

ProfileMap – User Manual



value - inspired by people



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Information regarding reading this document:

In the whole document the terms "skills" and "competencies" are used as synonyms. Both terms are used throughout the whole documents and the meaning is identical.



1 Login

To log in to the system, one needs to navigate to <u>www.profilemap.de</u> and type in the Active Directory credentials. The user is prompted to use either the Azure Multi-Factor Authentication or the SecurID Authentication Method, otherwise the user is taken directly to the dashboard screen if connected through the msg VPN.



Figure 1: Login Screen



2 **Profile Management**

Depending on the user's role, edit and viewing rights could be limited to:

- Own profile
- Profiles of respective BSU
- Direct reports

To edit one's profile, follow the steps below:

2.1 Select Profile Management

Select "Profile Management" on the dashboard.



Figure 2: Dashboard

2.2 Search for employees

Users with one of the roles ProfileManager or LineManager (see chapter 4 User Management) can use the employees list in the left side panel to search for a particular person. By selecting a name in the list, that person's profile is displayed, and it can now be edited. Editing the profile works the same as for one's own profile.

The search can be done by wildcard. Just enter the string you want to search for and all names with use the string will be listed. The search string can be part of the first or the last name. At least two characters need to be entered for starting the search.



Figure 3: Search for empoiyees

2.3 Enter Profile Data

There are different ways to maintain your profile:

- either **upload a CV**, from which the information about skills and languages is automatically transferred to the profile using a text extraction algorithm
- or enter all the information **manually**. A combination of both options is also possible.

Not all fields within the profile management section are editable. Name, location, business unit and availability are imported data that cannot be changed in ProfileMap due to data consistency.

The CV file can be uploaded by drag & drop or by pressing the upload button and selecting the desired file (only. docs **and .pdfs** *currently* supported).



•MSG ProfileMap		🏘 Profile 🔎 Search 👌 History 🍈 Admin (2) Thomas Mahler Settings - Log out
Thomas Mahler / Senior Project Manager	Tom Gärtner	Projects (Project experience summary)
Employees 12 Show all Marina Bachmeister Senior SAP Consultant	Skills SAP Des Project	every respective Helis, Including miesant knowledge and skills System architecture 4-years ng BBC Service Service 10 Serv
Tom Gärtner ABAP Developer Jennifer Kohl Project Manager	Change ABAP SAP SD SAP MM	34W ALE/IDOC SCRIM to Fullstack development 1.5 years 34RSCHIPP DOCKER NPH DOMAN-GRIVEN DESIGN
Lea Wurfel Java Developer Wiktoria Stingl Java/Script Developer Fabian Po6	SAP WN SAP WN Java Click on "Upload" or drag & drop the file here Spring E Testing Cancel LUpload	ersicherung cherung - SAP HANA Consultant wr für den Maklerporal zur effizienten Verwaltung des Portfolios echne: Tschnische Analyse, Architektur und Umsetzung von , Umsetzung von Design und Layout. At vero eos et accusan et res et er erbem. Stet dirk kad gubergren, no ese takimata sancus
SAP HANA Tester Samuel Silva Almeida System Administrator Ryan Moorman Preducts Chroner	Educa	m dolor sit amet. Nam liker tempor cum solura nobis eleffend nihil imperdiet doming id quod. NA (Skor Fisht) 2004) ALE/IDOC (SCRIM)
Sandra Buuron SAP HANA Tester		crow 2016 itschland - Frontend-Entwickler
Jennifer Kohl Project Manager Manager Image: Construction of the second	B Step 1: Upload the CV file 2006-2009 Business Analytics mit SAP HANA 2010 2010 2010	ckler für ein self-contained System (SCS) für ein webbasiertes en ehbereart. Ut wisi einen ad minim venime, ques nostrut dereci per suscipit loborts nist ut alleupe ex ea commodo consequat. Duis auten val aum intre dolor in handreirer in vulputate velles es molestis consequat, vel illum dolore eu feugiat nulli facilisis at vero aros et accuman et lusto odio dignisim qui blandir present hupatarus zril delorin augu dui solore te feugat.
Viktoria Stingl JevaScript Developer Fabian Poß SAP HANA Tester	A Writelsbacher-Gymnasium Munich 955-2006	3NA JUACCEPT (COCCE) (NY) POLYEE (COMBINEDICED)

Figure 4: CV Upload - Profile Management

•MSG ProfileMap		🍘 Profile	e 🔎 Search 👌 History 🏟 Admin (2) 💮 Settir	nas Mahle ngs • Log ot
Thomas Mahler Senior Project Manager	TG ABAP Developer at msg.Gillardon MSc. Computer Science at University Passau		tts •Add (Project experience summary) nnovation Project experience summary Here you can see how many years of experience the employee has in	0
Marina Bachmeister		s that we extracted from your CV	every respective field, including relevant knowledge and skills System architecture: 4 years ABAP SAP HANA SAP 59-91	ng 1t,
James and Controllation Proc Table Developer 22 Abbo Developer 22 Jennifer Kohl Abb Project Manager SAM	P Des ject Skills * ange SAP Development •••• AP Project management •••• P SD Change management ••••	Languages ✓ German NATIVE English ● ● ● ○ French ● ● ○ ○	Software development 2 years 2 May Auguno Concell Fullstack development 1.5 years 2 MaxConff Docket (MPH) DOMADHORIZED DEsign crsicherung	e et to
Java Developer Java Java Developer Java Java Script Developer Spr	ting E SAP WM •••• sting Java •••• Spring Boot •••••		cherung · SAP HANA Consultant er für den Makkerportal zur effizienten Verwaltung des Portfol echner. Technische Analyse, Architektur und Umsetzung von v. Umsetzung von Design und Layout. At vere ees et accusam v res et a rebum. Stet cita kasd gubergeren, no sea takimate sa	et
Samuel Silva Almeida System Administrator			m dolor sit amet. Nam liber tempor cum soluta nobis eleifend nihil imperdiet doming ld quod. NA SAPIS-RI JANA ALE/IDOC SCRUM	1
Sandra Buuron SAP HANA Tester	O Back	✓ Done	crow 2016 itschland · Frontend-Entwickler	
Jennifer Kohl Project Manager () Leo Wurfel Java Eveloper	Step 2: Verify detected skills, languages and co 2006-2009 Business Analytics n 2010	- CAD LIANA	ckler für ein Self-contained System (SCS) für ein vebbasiertes ankberater. Ut wisi enim ad minim venlam, quis nostrud exer oper auscipit böboris nisi ut aliquip ex ea commodo consequat utam vel eum inure dolor in hendrerit in vulputate velit esse molestie cons el illum dolore es deugiat nulla facilisa at vero eros et accursans et iusto od	ci t. Duis equat,
Viktoria Stingl JavaScipt Developer	Abitur Wittelsbacher-Gymnasium Munich 1995-2006		lignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feu JAVA JAVASORIPT DOCKER NPM POLMER DOMAIN-ORIVEN DESIGN	ugait.



2.4 Upload a Profile Photo

To upload a profile photo click on the round placeholder in the top left corner of the profile.





Figure 6: Add Profile Photo

In the following upload dialog a photo can be selected and uploaded to the profile.

If necessary the photo can be adjusted in the second screen.

e
ne file here. wed. ofileMap users
ł

Figure 7: Choose Photo

d area whic	ch will be	used for	your profil
1			
Back		Done	
	Back	Back	Back Done

Figure 8: Adjust Photo

With click on "Done" the selected photo will be added to the profile.

2.5 Edit and Delete Profile Photo

By hovering over the profile photo end edit button (in form of a pencil) and a delete button (in form of a waste basket) will be displayed.

A click on the edit button will open the upload dialog and a new photo can be uploaded.

A click on the delete button will delete the existing photo.



	IT Consultant (XQT)	E)
Skills	Languages	
	German English	 NATIVE

Figure 9: Edit / Delete Photo

2.6 Edit Skills

By hovering over the "Skills" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Skills" window will be displayed.

Select the desired skills from the list or use the search field below to search for a specific skill. The display of the skills can be switched between BSU specific categories and skills and the whole knowledge base by selecting the appropriate radio button at the bottom of the window.

The BSU specific categories and skills are managed by the Skill Manager. For more details see chapter 5 Data Categorization.

Add the skill to the right-side panel called "Existing Skills" by clicking the "Add" button while hovering over the skill. The user can also adjust the skill level represented by the "4 point" bar.

Skilllevel	Description
Skilllevel 1 – Basic Knowledge	Employee knows the principles and mechanism and the theory (from training or school) but doesn't have any practical knowledge.
Skilllevel 2 – Limited Expertise	Employee has comprehensive theoretical knowledge and first practical experience. They can work in projects together with a more experienced colleague.
Skilllevel 3 – Advanced Expertise	Employee has established theoretical knowledge and already has practical experience from projects. They can lead subprojects or smaller projects in this field.
Skilllevel 4 – Expert	Employee has great expertise and has extensive knowledge regarding this skill. They can provide training for others. They can lead any project of any size on their own and can assist customers regarding their questions or problems.



Kompetenzlevel	Beschreibung
Kompetenzlevel 1 Theoretische Grundkenntnisse	Der Mitarbeiter kennt die Prinzipien und Mechanismen in der Theorie (aus Schulungen oder Studium) , hat diese jedoch noch nicht praktisch anwenden können.
Kompetenzlevel 2 Eingeschränkte Handlungskompetenz	Der Mitarbeiter hat umfassende theoretische Grundkenntnisse und erste praktische Erfahrungen. Der Mitarbeiter kann in diesem Gebiet unterstützend auf Projekten eingesetzt werden.
Kompetenzlevel 3 Volle Handlungskompetenz	Der Mitarbeiter verfügt über fundiertes theoretisches Wissen und hat bereits Projekterfahrung in diesem Bereich sammeln können. Der Mitarbeiter kann Teilprojekte/kleine Projekte in diesem Gebiet eigenständig leiten.
Kompetenzlevel 4 Experte	Der Mitarbeiter beherrscht die jeweilige Kompetenz perfekt, besitzt umfassendes Hintergrundwissen und kann andere darin schulen. Er ist absoluter Wissensträge in diesem Gebiet, kann Projekte jeder Größe eigenständig führen und ist in der Lage den Kunden bei Fragestellungen jeglicher Art zur unterstützen.

After all desired skills have been added in the "Existing Skills" list click the "Done" button to confirm all changes.

Skills 🎤	
Others	~

Figure 10: Edit skills



Edit Skills

Add skills from knowledge base or edit existing skills

Knowledge Base		0 - 7 of 7	<	>	
Industry Sector >					
Silk-(ind Kenne) :					
Methodical Knowledge >					
Tools >					
Programming Languages	۶				
Second Contraction					
test bourses t					»
					6
					Ц
🖲 BSU 🔿 All	Search			Q	

Figure 11: Switch between BSU relevant categories and all available skills

Edit Skills

Add skills from knowledge base or edit existing skills

Knowledge Base	0 - 3 of 3 🗸	>		Existing Skills	
Industry Sector				Confluence	•••]
Human Resource Management				COLLABORATIVE SOFTWARE WIKI SOFTWARE	
	CIALTY PROFESSION			Jira UISSUE TRACKING SYSTEM BUG TRACKING SYSTEM PROPRIETARY SOFTWARE	•••
Banks + Add FINANCIALS BANKS				PROJECT MANAGEMENT PROJECT MANAGEMENT SOFTWARE	
Automotive				Application Lifecycle Management	••0
ECONOMIC ACTIVITY ECONOMIC BRANCH				PRODUCT MANAGEMENT	
			>>	Change Management	•••
				MANAGEMENT	
					•••
				FEHLERMANAGEMENT	
					••0
				METHOD BEST PRACTICE	
				Kanban	•••
		_			
BSU All Search		Q		Suggest Cancel	Done

Figure 12: Add new skills to profile



2.7 Suggest new Skills

If a skill is not available in either BSU (BSU) ontology nor in general (All) the missing skill can be suggested to be checked and added by the Data Curator.

To suggest a new skill the new skill needs to be entered in the Search field. Then click the button "Suggest".

The Data Curator will see the new skill and after they added the new skill it will be available for adding to the profile.

For details check chapters 5 Data Categorization and 5 Data Categorization.

owledge Base	0 of 0 < >		Existing Skills	
			Application Lifecycle Management PRODUCT MANAGEMENT	•••0
			Change Management MANAGEMENT	•••0
			Confluence Collaborative Software Wiki Software	•••0
Skill not found Would you like to suggest a new skill?		»	Error Management FEHLERMANAGEMENT	•••0
			IBM Db2 Relational database Relational database management system	•••0
			Job Control Language PROGRAMMING LANGUAGE	•••0
			Kanban CONCEPT LEAN MANUFACTURING	•••0

Figure 13: Suggest new Skills

2.8 Delete Skills

By hovering over the "Skills" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Skills" window will be displayed. While hovering over the desired skill in the "Existing Skills" section, click the "Delete" button (in the form of a trash bin). Click "Done" to confirm the changes.



Edit Skills Add skills from knowledge base or edit existing skills

((OTRS)) Community Edition OPEN-SOURCE SOFTWARE ISSUE TRACKING SYSTEM FREE SOFTWARE		Application Lifecycle Management PRODUCT MANAGEMENT	
*Lisp		Change Management	•••0
NET Compact Framework SOFTWARE FRAMEWORK		Confluence COLLABORATIVE SOFTWARE WIKI SOFTWARE	•••0
NET Compiler Platform compiler	»	Error Management	•••0
NET Framework		IBM Db2 RELATIONAL DATABASE RELATIONAL DATABASE MANAGEMENT S	
E/ O		Job Control Language PROGRAMMING LANGUAGE	
C:Enterprise programming language		Kanban	•••0
60 OS 💿		CONCEPT LEAN MANUFACTURING	
BSU () All Search	Q	→ Suggest Cancel	✓ Done

Figure 14: Delete Skills

2.9 Edit Languages

By hovering over the "Languages" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Languages" window will be displayed. Select the desired languages from the list or use the search field below to display a more specific language. Add the language to the right side panel called "Existing Languages" by clicking the "Add" button while hovering over the language. The user can also adjust the language level represented by the "4 point" bar (for "Native" select the maximum 4 points). After all desired languages have been added in the "Existing Languages" list click the "Done" button to confirm all changes.

Skills None added yet. Languages	Projects +Add
A facilities and a second second	

Figure 15: Edit Languages

2.10 Delete Languages

By hovering over the "Languages" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Languages" window will be displayed. While hovering over the desired language, click the "Delete" button (in the form of a trash bin). Click "Done" to confirm the changes.

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Edit languages

Add languages from knowledge base or edit existing languages

Knowledge Base	0 - 20 of 70	<	>		Existing Languages
Afrikaans 💿					German NATIVE
Albanian 💿					English 💼 ••••
Arabic 💿					French
Armenian 💿					
Azerbaijani 📀					
Belarusian 💿					
Bengali 💿				»	
Bosnian 🕖					
Bulgarian 💿					
Cantonese 💿					
Catalan 💿					
Chinese 🔘					
Creole Language 🛞					
Search			Q		Cancel 🗸 Done

Figure 16: Delete Languages

2.11 Add Education

While hovering over the "Education" section, click the "Add" button. Select or fill in all necessary information in the displayed fields and then click the "Done" button to confirm the changes.



Skills Availability D None added yet. Languages	Management Projects • Add
	None added yet. Languages

Figure 17: Add Education

Add a new item

Degree *	•
Start * End End	ongoing
Field or Subject *	
Institution	
Pin in the profile card Cancel Done	

Figure 18: Edit Education

In the field "Field or Subject" the degree or title can be entered which should be displayed in the header of the profile (e.g. "Diplom-Ingenieur").

Per Defaul the newst education is used for the header. If this is not correct you can mark the relevant education for the header with checking the checkbox "Pin in the profile card".



2.12 Edit Education

To edit an existing education item hover over the desired entry in the Education section and click the "Edit Education" button (in the form of a pencil). Change any or all information displayed in the fields and then click "Done" to confirm.

IT Consultant at XQT -	Test & Quality Management	Projects •Add
Skills	O Availability 2 None added yet. Languages	
Education • Add Wirtschaftsinformatik Oct 2016 - Mar 2021	Certifications	
		© 2020 All Rights Reserved. msg systems ag English

Figure 19: Edit existing Education

2.13 Delete Education

To delete an existing education item hover over the desired entry in the Education section and click the "Delete" button (in the form of a trash bin).



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Figure 20: Delete Education

2.14 Add Certifications

While hovering over the "Certification" section, click the "Edit" button (in the form of a pencil).

By hovering over the "Certifications" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Certificates" window will be displayed. Select the desired certificates from the list or use the search field below to display a more specific certificate. Add the certificates to the right side panel called "Existing Certificates" by selecting a date and clicking the "Add" button while hovering over the certificate. After all desired certificates have been added in the "Existing Certificates" list click the "Done" button to confirm all changes.



Edit certificates

Add certificates from the knowledge base or edit existing certificates

Applications (49)			Tosca Automation Specialist	2021
Certifications In Database, Analytics And Other Data Technologies	(5)		ISTQB® Certified Tester - Advanced Level - Test Manager	2017
Cloud Computing Certifications (4)	•		IPMA Level D Project Management Specialist	2012
Help Desk Certifications (3)	•		ISTQB® Certified Tester - Foundation Level	2011
It Certifications For Beginners (2)	•		(CTFL)	
It Security Certifications (8)	•			
Midlevel Microsoft Certifications (2)	•	»>		
Networking Certifications (3)	•			
Programming Language Certifications (4)	•			
Project Management Certifications (41)	•			
Test Management (66)	•			
earch for certificates	Q		→ Suggest Cancel	🗸 Dor

Figure 21: Add Certificate

2.15 Suggest new certificate

If the required certificate is not available in can be suggested as a new certificate. Enter the name of the missing certificate and click the button "Suggest".

The Data Curator will check the suggestion and can add it so it can be selected in profile management.



Edit certificates

Add certificates from the knowledge base or edit existing certificates

Certificate database		Existing certificates		
		Tosca Automation Specialist	2021	Ô
		ISTQB® Certified Tester - Advanced Level - Test Manager	2017	Ô
		IPMA Level D Project Management Specialist	2012	Î
		ISTQB® Certified Tester - Foundation Level (CTFL)	2011	Ē
Certificate not found				
Would you like to suggest a new certificate?				
	>>			
test new certificate	٩	→ Suggest Cancel	🗸 Done	e

Figure 22: Suggest new Certificate

2.16 Delete Certificates

By hovering over the "Certifications" section an edit button will be displayed (in the form of a pencil). Click this button and the "Edit Certificates" window will be displayed. While hovering over the desired certificate, click the "Delete" button (in the form of a trash bin). Click "Done" to confirm the changes.



Edit certificates

Add certificates from the knowledge base or edit existing certificates

Applications (49)	•		Tosca Automation Specialist	2021	Ĩ
Certifications In Database, Analytics And Other Data Technologies	(5) ►		ISTQB® Certified Tester - Advanced Level - Test Manager	2017	đ
Cloud Computing Certifications (4)	•		IPMA Level D Project Management Specialist	2012	đ
Help Desk Certifications (3)	•		ISTQB® Certified Tester - Foundation Level	2011	Ĩ
It Certifications For Beginners (2)	•		(CTFL)		
It Security Certifications (8)	•				
Midlevel Microsoft Certifications (2)	•	»			
Networking Certifications (3)	•				
Programming Language Certifications (4)	•				
Project Management Certifications (41)	•				
Test Management (66)	•				
earch for certificates	Q		Suggest Cancel	🗸 Don	10

Figure 23: Delete Certificate

2.17 Edit Custom Fields

For additional information like birthdate or something similar there are two additional fields in the profile.

There is one date field and one text field. Each field can be referenced in the export template. Which kind of information is entered needs to be defined by each business unit itself.

Examples for usage: birthdate, start date with current employer, city of birth, country of birth, location etc.

By hovering over the "Custom Fields" section an edit button (in form of a pencil) will be displayed. With a click on this button an edit window will appear.

Data can be added. With click on "X"-Button the content will be deleted and empty values will be saved.



Figure 24: Edit Button for Custom Fields



Edit custom fields



Figure 25: Edit / Delete content of Custom Fields

2.18 Add Projects

While hovering over the "Projects" section, click the "Add" button. Select or fill in all the required information in the displayed fields. Competencies will be extracted from the project description and can be adjusted manually. The data will be saved with click on the "Save".

Missing customers can be suggested. After the Data Curator added the new customer, the new customer can be selected in the project.



Figure 26: Add new Project



English	German	
Project nan	ne *	
Client		
Job roles *		
Start *	End * 🖬 🗆 s	ill Activ
Start * Description		itill Activ
Description		itill Activ

Figure 27: Edit window for a Project

The project information can be added in different languages. To switch languages open the relevant tab at the top of the window.

Saving the data is only possible if the all mandatory fields in the language selected in the application itself (right bottom corner) are entered.

Example: if English is selected as the language in the application, all mandatory fields for English project data need to be entered. If only the German data is entered, saving the data is not allowed. But the German data can be left empty.

If the needed customer isn't available, it can be suggested with click on "Not on the list"

Add a new project
Project name *
Client- new Customer
O Not on the list m
Start * End ongoing
Description *
EN ~
Cancel → Next

Figure 28: Suggest new customer



Competencies will be extracted from the project description when clicking on "Add competencies" below the project description.

The suggestions from the extraction will be listed in the top left corner. With click on an entry they can be moved to the right side to be added to the project.

Below the suggestions additional competencies from the ontology can be added manually to the list.

With click on the button "Save" the selected competencies are listed below the description and can be readjusted if necessary. The whole project is listed after clicking again the "Save" button.

Suggested competencies			Selected competencies	
Scrum	>			
Scrum Master	>			
TEST Spagetti, Spaghetti	>			
Knowledge Base		>>	None added yet.	
Search	Q		tone added yea	
Please execute a search.				

Figure 29: Edit skills and languages for a project

- 1		omation matisierer Jan 2020					۵ ۵	
- [SAP ERP	SOFTWARE TESTIN	G TEST AU	TOMATION	TOSCA	TRICENT	IS TOSCA	

Figure 30: Tags after editing skills and languages



2.19 Edit Projects

To edit an existing project hover over the desired entry in the Projects section and click the "Edit Projects" button (pencil icon).

Competencies can be change with clicking on the pencil icon below the description. Already selected competencies will be listed on the right and can be adjusted from the suggestions and with manual selection from the ontology.

Change any or all of the information displayed in the fields and then click the "Save" button to save the changed data.

Proj	ects + Add	
	Test Automation Testautomatisierer Aug 2019 - Mar 2021	

Figure 31: Edit button for existing project

Edit project	
English German	
Project name *	
Test	
Client	
_Xqt	
Feb 2023 💼 End	🖻 🔽 Still Activ
Description *	
Description * Test Manger, scrum master	
	ß
Test Manger, scrum master	ŀ
Test Manger, scrum master	Cancel Save

Figure 32: Edit window for existing project

2.20 Delete Projects

To delete an existing project hover over the desired entry in the Projects section and click the "Delete" button (trash bin icon).



Pro	ects + Add				
	Test Automation Testautomatisierer Aug 2019 - Mar 2021	-	1	亩 Im	

Figure 33: Delete button for project

2.21 Add, Edit and Delete Focus Area

Like editing projects the user can add their focus areas.

They can be added in German and English, the mandatory language depends on the language selected for the application.

Adding and editing competencies work the same as in projects.

English	German
Descriptior	n *
+ Add con	npetencies 👔
+ Add con	npetencies 🚯

Figure 34: Adding new Focus Area

2.22 Add and Edit Job Experience

In the project section, next to the header "Projects" the header / link for "Job Experience" can be clicked.

The display will change from projects to job experience. With click on the "Add"-Button a new job experience can be added. An edit window will be displayed where different information can be entered. With click on button "Done" the information will be saved.

Projects	Job experience	+ Add	

Figure 35: Section for Job Experience



English	German		
Job role *			
Company *			
Location			
Start *		End *	Still Active
Description			

Figure 36: Add / Edit Job Experience

To edit an existing entry hover over the relevant project and click on the "Edit"-button in form of a pencil. In the edit window the information can be changed in the same way as creating a new entry.



Figure 37: Edit button for Job Experience

2.23 Delete Job Experience

To delete a job experience hover over the relevant entry and click on the delete button I form of a trash bin.



Figure 38: Delete button for Job Experience

2.24 CV Export

After a profile has been successfully updated, the user can export the profile by clicking on the "Export CV" button. The user is then prompted to choose between short or long format by clicking on the corresponding buttons. Choose a template from the list (at least one default template will be available) and click "Next". Search criteria can be entered like name of the template or tags assigned to a certain template. Templates from a different business unit also can be selected.



With click on "Next" the relevant information to be exported can be selected: skill categories, projects and job experience.

To see the skills for one category click on the arrow on the right side of the category - the list will unfold.

After selecting the necessary data click on button "Next".

The user has the option to Hide Customer names in the profile information by selecting the "Hide the Client name' checkbox. An alternative client description can be entered. By clicking "Next" the document will be downloaded. The created file can be found in the download folder or – depending on the browser settings – can be opened directly in the browser.

msg. ProfileMap دوه		🏟 Profile 🔎 Search 🕐 Admin
Kover Kerkmax Toentie Toentie Forder employee Contaction Forder employee Contaction Material Statemage Material Statemage Set Statemage Material Statemage Set	Image: Statigart informatik at KQT - Test & Quality Management informatik at Hochschule Albsdadt Signwaringen Skills / None added yet: Image: Statigart informatik at Hochschule Albsdadt Signwaringen Image: Statiga	Projects Image: Comparison of the First Kith Michigan Provide Comparison of C
Conservation Conservation Servation Servation Provides Provides Provides Provides Provides Provides Provides	Education Certifications Managelia Managel	Control of the second sec

Figure 39: Export button



Figure 40: Choose profile format



Choose the template

P	mia_Kurzprofi Author: r2p2@sta Language: Germa Business unit: XQ	arwars.de an			
•	ProfileMap Ku Author: r2p2@sta Language: Germa Business unit: XQ	irz Deu arwars.de			
P	GBP Template Author: r2p2@sta Language: Germa Business unit: XQ	arwars.de an			
	Tags: GBP DEN	10	c Business u		

Step 2: Choose the template

Figure 41: Search and select template

Profile data

••000

Choose skills, projects, j	ob experiences from Projects	m profile Job experience	
S killCategory			
Sonstige			*
		0 - 1 of 1	< >
	G Back	Next	
Step 4: Choose profile data			•••00

Figure 42: Check / uncheck skills, projects, job experiences for export

Privac	/ Settings
Hide the client name	
Alternative client description	
G Back	S Next
Step 4: Choose privacy settings	••••

Figure 43: Hide client name with alternative description



3 Search for candidates

The search function is only available to Sourcing and Line Manager roles.

Users with these respective roles can submit a request to find suitable profiles for a specific position. To submit a request, follow the steps below:

3.1 Step 1: Access Search Function

The user can access the search from the dashboard by clicking on the "Search for Candidates" button.

<image/> <section-header>Welcome back, or the series and the series a</section-header>	a _{sa} msg ProfileMap	Section
	What is ProfileMap? White SprofileMap? White a solution developed by sig that sadically simplifies the maintenance of all profiles and the search for sublate and available employees through the considered and innovative use of machine learning and natural language processing. Operational data available as ited, such as requests, profiles, project descriptions or job offers, are used as knowledge base an makes it available for a set, such as requests, profiles, project descriptions or job offers, are used as knowledge base an makes it available for a set.	

Figure 44: Dashboard to Access Search

🏦 🗩 V 1.1.20 - Build 71 - 26 06 2021 12 16 47

In addition to that, depending on the visited page within the application a navigational bar on top of the screen offers a "Search" option that takes the user to the same search menu.

435	nsg. ProfileMap	🙆 Profile	e Search	🕐 Admin	Data Curation	Ontology suggestions	Cor Log

Figure 45: ProfileMap navigational bar



3.2 Step 2: Search Engine Input

The search is executed via a search engine capable of processing natural language:



Figure 46: Entry Screen for Search Text

There are two different ways to submit a request:

- The user can upload a document* containing a job posting or search request as text. The document can be accessed via the Upload button allowing a selection from local or shared drives.
- The search text can also be entered into the text box either by writing into the text field or by copy & paste. After adding the request, click the "Process Text" button.

*.docx and .pdf files currently supported

3.3 Step 3: Filter Function – Search Refinement

After the request has been uploaded or inserted, ProfileMap extracts and displays all the entities (competencies, certificates, and languages) that were found. Entities are detected by looking for the name and synonyms of the entity within the provided text. If multiple entities have the same name or synonym both will appear in the list of returned entities.



Competencies			
Search by: 💿 BSU 📿	All		
Search	۹		
ActionScript JavaScript	•000 ••000		
Languages	Ŭ		
Search	٩		
German	•000		
Certificates			
Search	۹		
Advanced Certified ScrumMaster			
Business units			
MINNOSPHERE	→ 溜		

Figure 47: Options to refine a search

The extracted entities are criteria used for searching. Before the search is executed, however, the user has the possibility to refine the search criteria in multiple ways:

- The required competency and language levels can be set to a value between 1 and 4. Only if a candidate has at least one requested entity at the required level or higher in his profile or if he or she has a competency that makes it very likely that he or she has one of the requested competency even though it is not explicitly mentioned in the profile (e.g. knowing a library of a programming language indicates that the candidate knows the programming language), he or she will appear in the result list. The language and competency levels can also affect whether candidates appear higher or lower in the result list.
- Entities can be added using the respective search bars. These searches offer suggestions while the user types into the text field by comparing the inserted text with the names and synonyms of the respective entities. An entity is added to the search criteria by clicking on it.

Search by: 🔵 BSU 🧿	All
java	٩
Java alias java	
javac	
Kara rubykara, multikara, jav a	ascrip



Figure 48: Adding competencies using the search bar

For competencies, the search is by default restricted to the business unit (BSU) of the user. This means that only competencies defined in the BSU taxonomy will be suggested. This can be changed by selecting the "All" radio button, which will result in all non-deactivated competencies in the ontology being considered for suggestion.

 Entities can be removed by hovering over them with the mouse and clicking on the garbage bin icon that appears next to the entity level.

ActionScript	0000
JavaScript	∎•000
	Ju

Figure 49: Deleting entities

• Entities can be made mandatory by hovering over their name with the mouse and selecting the checkbox.



Figure 50: Making an entity mandatory

If one or more entities are made mandatory only candidates that have all the mandatory entities with at least the required level in their profile will be in the result list. Indirectly matching a competency is not enough in this case.

• By default, only candidates from the user's business unit are returned by the search. The user has the possibility to include additional BSUs or exclusively search in other BSUs by clicking on the drop-down box in the Business units section and selecting the checkboxes of the required BSUs.

Business units		
MINNOSPHERE	•	Æ

Figure 51: Choosing the business units to search in

Profiles from other BSUs are anonymized. Profiles with detailed information need to be requested from the relevant line manager.

In addition to the functionality to adapt the search query, the original query text is displayed.

Finally, clicking the "Apply search parameters" button will trigger the search for suitable candidates. After the search is executed, the refinement options remain on the left side of the screen and can be used to make further adaptations to the search request. Once the adaptations are made the "Apply search parameters" button needs to be clicked again for the search result list to be updated.

3.4 Step 4: Searching

The search engine then processes the search request while a message informing the user that the search is in progress is displayed. Once it is finished the search results are displayed. It is possible to leave the search page while the search is performed. In this case, once it is finished the user will be informed by a popup message and a notification. The notification can be accessed by clicking the bell icon in the navigational bar. The number in the red circle indicates the number of unread notifications. Clicking on the bell icon results in the display of a chronologically ordered list of the notifications of the last two days. Clicking on the x next to the label "Notifications" closes the list again. Clicking on "Clear All" deletes all



notifications. Clicking on a x next to a notification deletes the individual notification. And clicking on a notification result in switching to the search result page with the corresponding search results displayed.



Figure 52: Search notifications

On the search results page a sorted list of candidates is displayed. The candidates are ordered by how good the system thinks a candidate's profile fits the entered search request. To come up with this assessment, for each candidate it calculates how similar the candidate is with respect to different aspects of the request. An aspect is always a subset of entities defined by a fixed ontology pattern.

Example:

An academic discipline is a field of study or profession like "Marketing", "Software Architecture" or "Machine Learning". This information is modelled in the ontology. One aspect used in the search is checking how similar a candidate's profile is to the search request with respect to academic disciplines. The ranking algorithm uses different measures to determine the similarity between a set of entities from the search request and a set of entities from a profile. But typically, they consider the two sets to be more similar if the overlap between the sets is larger and if the entities that are not directly matching are closer related to other entities in the candidate's profile.

So, if there is a request asking for somebody who knows "Marketing", "Machine Learning" and "Python", then only "Marketing" and "Machine Learning" are used to determine the academic discipline similarity. And if there are two candidates that have "Marketing", "Machine Learning" and "Java" and respectively "Marketing", "Software Architecture" and "Python" in their profiles, the first one will get a higher academic discipline similarity since they have more overlap looking at this aspect of their profile.

The different aspect similarities are then given to a machine learning model that provides the overall ranking score based on them. The model has been trained on feedbacks by users rating how good a candidate's profile fits the respective search request (see step 8). From this the model learns how important which aspects and which combinations of aspects are for different kinds of search requests. It tries to predict how many stars an expert would give the fit between request and profile. The prediction is then scaled up to 0-100% and displayed as the overall score.

3.5 Step 5: Display of Results and Score Visualisation

Profiles that match the search criteria are displayed in a descending order with the best match on top. The quality of the match is represented by the total score. In addition to that, scores for competencies, certificates and projects are displayed that indicate in which parts of the profile the candidate has more overlap with the search request.


Request Data 🔻

7 profiles found Discover how ProfileMap works

0	Leia Princess Princess at Business Unit 1 Q Lost Empire	71%	Competencies Certifications Project relevance	54% 0 % low	Availability	📙 Side-by-side
0	Maz Donald Teacher at Business Unit 1 © Empire	71%	Competencies Certifications Project relevance	54% 0 % low	Availability	🥃 Side-by-side
0	Han Solo Pilot at Business Unit 1 Q Lost Empire	71%	Competencies Certifications Project relevance	54% 0 % low	Availability	L Side-by-side

Figure 53: Display of Search Results

A search result entry consists of the following information:

- candidate name (anonymised if from another business unit)
- role
- location
- availability (if interface for the candidate's business unit is available)
- overall score
- scores for competencies, certifications, project relevance (see next section for details)

3.6 Step 6: Side by Side Comparison (SBS)

To evaluate how well a candidate meets the requirements defined in a search request a side-by-side comparison (short: SBS) provides a detailed analysis across several categories comparing request against profile

- competencies
- languages
- certifications
- project relevance

To get to the SBS click on the "Side-by-Side" button.

Grogu Baby Data curator at Business Unit 1 • Tatooine	68%	Competencies Certifications Project relevance	51% 0 % Iow	Availability	G Side-by-side	No Status 🔻
How good is the match? ☆ ☆ ☆ ☆ ☆						

Figure 54: Start Side-by-Side Comparison



Request

Text	Competencies		Competencies	68%	Project relevance 30%
)ie Unternehmensgruppe ALDI Nord ist einer	Cascading Style Sheets		Cascading Style Sheets		msg PLAUT Austria GmbH
er führenden Lebensmitteleinzelhändler. Mit	JavaScript	0000	JavaScript		Test automator
iner Tradition von über 100 Jahren steht ALDI ür die Erfindung des Discount-Prinzips, Unsere	Ouality Assurance		Quality Assurance		lan 2013 - present
dission ist es, Menschen überall und jederzeit	- TypeScript	0000	- TypeScript		
nit dem zu versorgen, was sie für ihr tägliches	Apache Struts	0000	Apache Struts	0000	GERMAN ENGLISH ACTIONSCRIPT ANGULAR
eben brauchen: qualitative Produkte zum	E-Commerce	0000	E-Commerce	0000	CASCADING STYLE SHEETS
iedrigen Preis - einfach und schnell. Dazu ehört auch, das Einkaufen für unsere Kunden	Extensible Markup Language	0000	Extensible Markup Language	0000	HYPERTEXT MARKUP LANGUAGE JAVASCRIPT
o einfach wie möglich zu machen. Dafür geben	lavaServer Faces	0000			TYPESCRIPT
vir jeden Tag unser Bestes und erfinden uns			JavaServer Faces	0000	TYPESCRIPT
mmer wieder neu. Vereintes Talent und	SAP Commerce	• • • • •	SAP Commerce	0000	
ngagement - das ist die POWER, mit der wir	SAP ERP	000	SAP ERP	0000	
rfolgsgeschichte schreiben. Europaweit in 9 ändern mit mehr als 5.000 Filialen und mehr als	Spring Engine	• • • • •	Spring Engine	0000	
80.000 Mitarbeitern. Wir sind: Einfach ALDI.	Spring Framework	0000	Spring Framework	0000	
Powered by people. Das sind deine Aufgaben Intwicklung von innovativen und modernen					
oftwareprodukten für unsere internationalen					
Digitalplattformen in einem interdisziplinären Team Mitwirkung in Architekturfragen und	Languages		Languages	100%	
echnologie-Auswahl Analyse, Konzeption,	Lunguages		Lunguages	100%	
mplementierung und Qualitätssicherung von	English	0000	English		
Anforderungen Sicherstellung der Code-Qualität owie stetige Optimierung der	German	• • • • •	German		
ntwicklungsprozesse Experte rund um ntwicklungsthemen innerhalb unserer agilen					
crum-Teams Das bringst du mit Erfolgreich					
ioftwareentwicklung oder eine entsprechende	Certifications		Certifications		
Ausbildung Sehr gute Kenntnisse in der Intwicklung mit Java-Frameworks (z.B. Spring	Not requested		Not requested		
Boot, Struts, JSF) und Datenbank-Layern (z.B.					
libernate) Gute Kenntnisse in modernen rontend-Technologien (HTML, XML, CSS,					
avaScript) Idealerweise Erfahrung mit E- Commerce und CMS Frameworks wie SAP					
Commerce oder Adobe Experience Manager					
lohe Affinität zur DevOps-Kultur und damit					
rerbunden hohes Interesse an agiler Software-					
ntwicklung Das bieten wir dir Einen sicheren Arbeitsplatz beim Erfinder des Discounts Ein					

Candidate 65%

Figure 55: Side by Side Comparison

Requested competencies that are missing from the candidate's profile are displayed in red and crossed out. Requested competencies that are also in the candidate's profile are displayed in black. Related competencies that support that a candidate possesses a certain competency are displayed indented and in grey.

Java	$\bullet \bullet \circ \circ$
∟ Hibernate	
∟ JUnit	
∟ Swing	

Figure 56: Display of related competencies

The scores for the parts of the profile are calculated as follows: The language score corresponds to the fraction of requested languages that are in the profile of the candidate. So, if three languages are requested but the candidate only has one of these in his or her profile, then the score will be 33%. Likewise, the certificate score is the fraction of the requested certificates that are in the profile of the candidate.

Projects are tagged with competencies and languages. If at least one of the tags matches one of the requested entities directly or indirectly, the project is considered relevant, displayed in the side-by-side comparison and the direct or indirectly matching tags are highlighted in green. The project score provides the fraction of competencies and languages that are in at least one of the candidate's projects. So, if a request is made for German, Java and JavaScript and the candidate has three projects: one tagged with German and Java, one tagged with German and one without any of the requested entities tagged. Then the project score will be 66% since two of the three requested languages or competencies are in at least one project.

For competencies, the machine learning model takes different indirect ontology relationships of these competencies (more than those displayed in the side-by-side comparison) into consideration. To account



for this, the competency score is not calculated as a fraction of matching competencies but rather linked to the overall score calculated by the complex machine learning model and corrected for the results of the other three scores (languages, certificates, projects). This way the overall score can be seen as a combination of competency, language, certificates, and project scores, with the competency score accounting for the largest part of the overall score. Since the machine learning model tends to be cautious to predict very large and very low values and since the amount of considered information goes beyond what is displayed in the side-by-side comparison, both the overall score and the competency score will typically not be around 100% when all shown criteria are met and not be around 0% when hardly any are.

3.7 Step 7: Viewing a candidate's profile

If the user searching for a candidate has the necessary rights to see non-anonymised data, clicking on the candidate's name takes the user to the profile screen containing all information that a candidate maintained with the option to export the profile into a document format.

If the user does not have the rights to see personal information that identify the candidate, name and education are hidden and the export function is not available.

The following information is anonymized:

- Name
- Last Name
- Education
- Availability
- Hourly / daily rate

The Project name, Project duration and Project description will still be visible.

دي≄ msg. ProfileMap			🔞 Profile	🖋 Search	🕐 Admin	ĝ
G Back						
Leia Princess Q Lost Empire Princess (Business Unit 1) Competencies Configuration Management Tool ~ Others ~	Languages English German	000000	Als Si Als Si Sche d Kol ildet n Clie off W chne nen n d in tismu r Tele gerte	OCUS ATEAS al Helpdesk / Motoren Help D 021 - present upport Services Sp Kontakt für die B legen durch die Pf nd das Ticketsyste esse, Störungslösu ess, Stö	edalist (m/w/d) ir MV Gruppe und d lege. Wartung um m nehmen Sie Am ngen sowie Anfra en uns über Ihre I er für Systeminte seigt sich unter an re Kunden- und SS . Sie verfügen übe hnen leicht. Sie h aborativem Arbeil i, I -1 innovationen Soft- und Hardws ierung und Dokus Steuerung und Dokus	n unserem ie Schnitts d Inbetrief forderung gen und ü Expertise! egration oo derem in erviceorier er ausgeze aben best ten. Erfahr mit Ihren areprobler mentation überwachu
Education	Certifications		ment	– auch Quereinst tationstätigkeiten t / Englischkenntni m Umgang mit Tic	Gerne bereits erst sse sind von Vorte	te Erfahru eil Sichere
Hone audeu yet.	ITIL® Foundation Certificate in IT Service Management 2022			ommunikations- u		

Figure 57: View Profile through Search Result



3.8 Step 8: Saving a Search and Providing Feedback

Every search can be saved. The saving of a search enables the user to use additional functionality like giving feedback regarding the quality of the search results and setting a status for each profile in the result.

To define the search, additional data can be entered when clicking in "Request Data". This data has no impact on the search results, they are only used to define the saved search.

The available fields are:

- Request Title
- Job Title
- Search Description
- End Customer
- Client
- Deadline date
- Receipt of request
- Maximum price
- Effort in PT
- Daily rate
- Hourly rate
- Responsible person
- Job Site
- Number of requests
- Comments (only available after first saving the search)

If in the fields the required customer isn't available, it can be added with click on "Not on the list?" (also see chapter 2.18 Add Projects)

G Back Save se	Business uni XQT	▼ ﷺ □ Ready to Travel	Time period From	To
Discover how ProfileMap works				Search Data 🔺
Search description	Client information	- Deadline	Price and availability	
Request title	new_Customer	17 Dec 2021	Maximum price €	Effort(PT)
Job role	Client	Receipt of Search	Daily Rate (€) €	Working Hours pe
Search description	Nicht in der liste?		Status	
0/30000	Person Responsible	Job Site	In progress 👻	
	Number of searches 🗧			

Figure 58: Select Business Units for Search

After entering all important information, confirm the entry by clicking on "Save search".

If the search is saved, the user has the possibility to provide feedback to the system how well a candidate's profile fits the search request by selecting one to five stars for each candidate.

- Giving a candidate's profile five stars means that his or her profile fit the search request very well.
- Giving a candidate's profile **one star** means that the profile doesn't fit the search request at all.

This information can be used to train the machine learning-based ranking model.



Also, if the search is saved, the search is listed in the search history (see next section) and the found profiles can be checked and evaluated. For each profile, the system offers the possibility to accept or reject it and call up the complete profile.

When you click on status "Interested" the LineManager of that profile receives an e-mail which contains the information of the request and the desired profile. From this moment on the communication concerning the profiles will be done via e-mail.

Grogu Baby Data curator at Business Unit 1 오 Tatooine How good is the match? ☆☆☆☆☆	68%	Competencies Certifications Project relevance	51% 0 % low	Availability	Side y-side No Status Interested Permission received
How good is the match? \Rightarrow \Rightarrow \Rightarrow \Rightarrow \Rightarrow	67%	Competencies Certifications Project relevance	51% 0 % Iow	Availability	Request declined Profile suggested Profile offered to customer Candidate has been appointed

Figure 59: Set Status of listed Profiles (e.g. Interested)

Any changes need to be saved so they are available for a later review/update of the search.

3.9 Step 9: Loading a saved search

Saved searches are listed in the search history. The field "Request title" is listed as "Name" in the Search History.

G Back]	Business units * XQT * 7	U Willingne	ess to travel Time period	Fro	m 💼	То	Ċ
Discover how ProfileMap works							Search Data	a 🔺
Search description	Client information			Price and availability				
Request title	End Customer	Deadline 12 Sep 2022		Maximum price	€	Effort(PT)	•	D
[Job role	Client	Receipt of Search		Daily Rate (€)	€	Working Hou	rs per Day (D
	Other information			Status				
	Person Responsible	Job Site	Q	In progress 👻				
	Number of searches 🚝							

Figure 60: Save Search

The Search History can be accessed through the dashboard – click on button "Search for Candidates". Otherwise in the top menu through the button "Search".





Figure 61: Different Ways to Access Search History

The search history shows an overview of all saved requests, in a table format which displays the most important information of each request which was set in "Search Data".

The list contains the following information on the respective request:

- Date of the request
- job role searched for,
- client
- end customer
- requested time
- planned effort (PT)
- the status of the request (Open, in progress, completed)
- the submission deadline.

Search history										
NAME		SEARCH DATE 🕹	JOB ROLE	CLIENT	END CLIENT	REQUESTED TIME	EFFORT(PT)	STATUS	DEADLINE	
Test		28.04.2022-09:04	-			-	-	In progress	28.04.2022	Ē

Figure 62: Search History

The user can view all requests in the displayed table and view/edit one at a time by clicking on the respective search.

When clicking on the entry in the table, the saved search is loaded including already set data regarding feedback and status for this search and already set status and feedback for the profiles. The search results are stored with the search making loading a search significantly quicker than executing a new one and ensuring the same results as when the search was originally executed. If the search parameters of a loaded search are changed, the search must first be executed before it is possible to save the adapted search. Saving an adapted loaded search will always lead to overwriting the original search. If a new search should be saved, the "New Search" button must be used to enter a new search request.

In the overview saved searches can also be deleted with a click on the trashcan button on the right side.



4 User Management

The user management section provides the opportunity to assign specific roles to certain users.

4.1 Basic User

Every user automatically has the authorizations of a Basic User and can therefore maintain their own profile.

*see "2. Profile Management" for further details on how to edit and maintain a profile.

4.2 Super User

The **Super User** role has the permission to assign the role of BSU Admin to anyone in the application (For more information about Role management see Authorization Concept).

*The Assignee needs to be logged in at least once.

<u>Step 1:</u>

Click on the "User Management" button in the dashboard. This will take you to an overview of all names registered in the system.



<u>Step 2:</u>

Now enter the name of the person to be assigned as **BSU Admin** in the search bar or search for them by scrolling through the panel.



<u>Step 3:</u>

As soon as the desired person has been found, click the Change Role button.

•MSG ProfileMap		🏟 Profile 🏓 Search 🌒 History 🍓 Admin (2) 🛛 Thomas Mahler Settings - Log out
	Search for userst Q Groups: All - Locations: / Groups: All - Locations: / Groups: Basic User 2 Profile Manager 3	All + Business unit: All +
	Courting Manager 1 Sourcing Manager 1 Groups: Basic user Business unit: mag.Gillardon Surcing Manager 1 Groups: Basic user Groups: Basic user, Line Manager Business unit: mag.Gillardon	Change role Change role
	Constant Sector	Change role
	Samuel Silva Almedia samsilval01 Groups: Basic user Business unit: msg.Gillardon	Change role
	Ryan Moorman ryanmoor02 Groups: Basic user, BSU Admin	Change role

Figure 9: User Management - Overview

Step 4:

A small window will open showing the role BSU Admin and the associated privileges. Here you have to set a check box and then click on "Continue" to assign the role.





Figure 8: User Management - Assign BSU Admin

Step 5:

In the next field you have to select "Confirm" to confirm the assignment.



Figure 8: User Management - Confirm Role Assignment

4.3 BSU Admin

The **BSU Admin** role has the permission to assign Sourcing Manager and Profile Manager roles for users in their respective BSU.

Assign the roles Sourcing Manager and Profile Manager

<u>Step 1:</u>

To do this, click on the "User Management" button on the dashboard. This will take you to an overview of all names registered in a particular Business Unit.

<u>Step 2:</u>

Now enter the name of the person you want to assign a new role to in the search bar or search for them by scrolling through the panel.

As soon as the desired person has been found, click on the "Change Role" button.



<u>Step 3:</u>

A small window will open showing the roles Sourcing Manager and Profile Manager with the associated privileges. Here you must place a check mark next to the role you want to assign to the person and then click "Next" to assign the role.

Step 4:

In the next field you need to click the "Confirm" button to confirm the assignment.

4.4 Line Manager

The Line Manager role can edit his own profile, as well as the profiles of employees who report directly to him.

4.4.1 Maintain/edit all profiles for his/her direct reports

Step 1:

To view or edit the profiles of any employee, click on the "Profile Management" button on the dashboard.

<u>Step 2:</u>

In Profile Management the user's own profile will be displayed at first. On the left side of the screen the names of all employees who report directly to the Line Manager are displayed. Click the desired employee's name to edit his profile.

<u>Step 3:</u>

Editing employees' profiles is the same as editing own profile (see "3 Profile Management").

4.4.2 Submit Request

The Line Manager role can submit requests. It also has access to profile information of direct reports and anonymized profile information of all remaining candidates.

For more information on how to submit a request please refer to section "4. Search for Candidates".

4.4.3 Show Request History

The Line Manager role has access to its' own request history.

For more information on how to use search history please refer to section "5. Search History".



4.5 Sourcing Manager

The Sourcing Manager role is assigned by the BSU Admin.

4.5.1 Submit Request

The Sourcing Manager role can submit requests. It also has access to all profile information within its' own BSU and anonymized profile information of other BSUs.

For more information on how to submit a request please refer to section "4. Search for Candidates".

4.5.2 Show Request History

The Sourcing Manager role has access to its' own request history.

For more information on how to use search history please refer to section "5. Search History".

4.6 Profile Manager

4.6.1 Maintain/edit all profiles for within own BSU

The Profile Manager role has unlimited access to all profiles within its' own business unit. This means that he can view and maintain/edit all profiles, as well as his own.

<u>Step 1:</u>

To view or edit the profiles of your business unit, click on the "Profile Management" button in the dashboard.

Step 2:

In Profile Management you will first be shown your own profile. On the left side of the screen you will see the names of all persons from your business unit, where you select the person whose profile you want to maintain/edit.

<u>Step 3:</u>

Editing the profiles is the same as editing your own (see "2. Profile Management").

4.7 Data Curator

The role Data Curator can only be assigned by the role Super User.

The Data Curator has access to the Data Curation and can upload new skills for the shared knowledge base (ontology).

They need to check the terms suggested by other user and decide if the new terms need to be adjusted and added or rejected.

Data curation is taking place on the shared knowledge base to which every business unit has access.

For more Details check chapter 6 Data Curation.



4.8 Skill Manager

The role Skill Manager is assigned by the role BSU Admin.

A Skill Manager can create categories and sub-categories specifically for their own business unit. They can add skills from the shared knowledge base which were accepted by the Data Curator to the categories.

These skills are available for the profile management of the business unit.

For more details check chapters

Chapter 5 Data Categorization



5 Data Categorization

Data Categorization is only available for terms already added to the ontology. A Skill Manager always manages the categories of their own BSU and can pick and categorize any skill from the ontology.

If necessary, the Skill Manager can suggest new skills.

Changes regarding categories and content of the categories are only visible for their own BSU and won't have any impact on other BSUs.

The Data Categorization can be selected on the dashboard with click on "Ontology management". In Ontology management click on "Data Categorization".



Figure 63: Select Ontology management

msg. ProfileMap دونه	
Data Categorization Data Curation	
Add a new category	
Industry Sector	

Figure 64: Select Data Categorization

5.1 Add / Change / Delete Category / Subcategory

To add a new category or subcategory click on "Add a new category". It's possible to create several levels of categories.

To create a new category a German and an English name need to be assigned. After entering the name click "Done".

Duplicate names are not possible.

To edit the names of a category or delete a category hover over the category and an edit button (form of a pencil) and a delete button (form of a trash can) will show.

For editing the names click on the pencil. To delete a category including the skills and subcategories assigned to this category click on the trash can.



The assigned skills are only deleted from the category, not from the ontology. Skills can be reassigned again to a different category.

Hint 1: in the profile itself only the first level (top level) of categories is shown. All categories are shown in the screen for adding skills to the profile.

Hint 2: The top level categories can be referenced in the profile export templates. For more details check the documentation for creating templates and the example templates marked with the tag "TRAINING".

Data Categorization Data Curation

Add a new category		Import skill from ontology
Industry Sector	Þ	Add a new category
Methodical Knowledge	•	Banks

Figure 65: Add new category

	Add a new category	
Category name (English) *	
Category nar	ne (German) *	
Category nai	ne (German) *	
	Cancel V Done	

Figure 66: Enter / change names for category

Data Categorization Data Curation

Add a new category				Import skill from ontology
Industry Sector	J.	 Î	•	Add a new category

Figure 67: Edit and Delete buttons for a category

	Are you sure, you want to remove this category? This will remove all underlying subcategories and skills
	Cancel Confirm
l	

Figure 68: prompt before deleting a category



5.2 Add Terms to a Category or Subcategory

After creating a category skills can be added to it.

With click on "Import skill from ontology" a window opens where a skill can be searched and selected with click on "add". After the necessary skills are selected click "Done" and the skills will be added to the category.

Data Categorization Data Curation

Add a new category		Import skill from ontology
Industry Sector	Þ	Add a new category
Methodical Knowledge	•	Banks

Figure 69: start adding new skill to category

Data Categoriza	tion Data Curation				
Add a new category Industry Sector	Edit Skills Add skills from knowledge base or	edit existing skills			
Methodical Knowled	Knowledge Base	0 - 6 of 6	< >		Existing Skills
Neu	Automotive + Add ECONOMIC ACTIVITY ECONOMIC B	RANCH			Banks BANKS FINANCIALS
Programming Langua	IS Automotive ②				Human Resource Management
Skills (Test Kevser)	SAP INDUSTRY SOLUTIONS Windows Embedded Automot				ACADEMIC DISCIPLINE SPECIALTY INDUSTRY PROFESSION
test Susanne	OPERATING SYSTEM	ve 🧭			Insurance
Tools	SAP Leonardo Industry Innova	ion Kits for Automotive		»	
	Automobiles 📀				
	AutoHotkey 💿				
	AUTO CLICKER SCRIPTING LANGUA	GE APPLICATION PROGRAMMING L	ANGUAGE		
	O BSU 🖲 All	tomotive	Q		Suggest Cancel ✓ Done

Figure 70: selecting skill for category



Data Categorization Data Curation

Add a new category		Import skill from ontology
Industry Sector	×	Add a new category
Methodical Knowledge	•	Banks
Teru .		Insurance
maponneqLinguages		Automotive
Sells Part Norsec		Human Resource Management

Figure 71: New skill added to category

5.3 Suggest new Skills

If the necessary skill is not available in the ontology the Skill Manager can suggest new skills for the Data Curator to add to the ontology.

For this click the button "Suggest" in the screen for adding skills to the category. In the new window the name of the new skill can be adjusted if necessary. With click on "Suggest" the new term will be sent to the Data Curator who will check and add the new term to the ontology

nowledge Base	0 of 0 < > Existing Skills	
	Automotive ECONOMIC ACTIVITY ECONOMIC BRANCH	
	Suggest a new skill ent Your suggestion will be reviewed by the data curator	
Skill not found Would you like to suggest a new skill?	Skill name * New Term Cancel Suggest	
0		

Figure 72: Suggest new skill



5.4 Delete Terms from a Category or Subcategory

Skills can be deleted from a category.

While hovering over the skill a delete button in form of a trash bin appears. A click on the trash bin deletes the skill from the category.

Data Categorization Data Curation

Add a new category		Import skill from ontology	
Industry Sector	×	Add a new category	
Methodical Knowledge	•	Banks	i

Figure 73: Delete skill from category



6 Data Curation

In Data Curation the role Data Curator can suggest and add new terms to the ontology. To access Data Curation click on "Ontology management" and "Data Curation".



Figure 74: Select Ontology Management

₄₂ msg.**ProfileMap**

Data Curation Data Categorization

Figure 75: Select Data Curation

6.1 Suggesting new Terms

New skills, customers and certificates can be suggested in different parts of the application:

- Profile Management for details check the following chapters:
 - 2.7 Suggest new Skills
 - 2.15 Suggest new certificate
 - 2.18 Add Projects
- Data Categorization for more details see chapter 5.3 Suggest new Skills
- Data Curation for more details see following chapters

6.2 Viewing own suggested Terms

To be able to keep track your own suggested terms there is a new list.

In can be accessed through the menu at the top of the screen with click on "Ontology suggestion".





A table is shown with the terms which were suggested by the logged in user.

By clicking on a different tab the lists can be changed between skills, certificates and clients.

By click on the arrow at the beginning of the line the details for the suggestion can be viewed. If changes are necessary they can be entered by clicking on the pencil at the end of the line.

By clicking on the cross the suggestion can be deleted.

Suggested skills

skills certificates clients			
Name	Created at	Status	Actions
> Test Add New Skill	5/20/22	🔆 Pending 🛛 🕄	Ø ×
Figure 76: Suggested Skills			
Suggested certificates skills certificates			
Name	Created at	Status	Actions
> New Certificat as a test	5/20/22	C: Pending	# ×

Figure 77: Suggested Certificates

Directly after suggesting a new term the status is set to "Pending". This means that the Data Curator didn't work on it yet.

When the Data Curator added the new term the status changes to "Approved". With click on the "+"-Symbol the term can be added to the own profile.



Figure 79: Add new Term to Profile

If a term is rejected the status "Rejected" is displayed. The reason why the term wasn't added is shown in a tooltip when moving the mouse over the "?"-Symbol next to the status.



× Rejected	ø ×
/our suggestion has been rejected by Reason: It's just a test. It can't be add	

Figure 80: Rejected Term

If it's not deleted by the Data Curator or the user themselves, it's removed automatically after a few weeks.

6.3 New Skills



6.3.1 Search and Suggest new Skills

The Data Curator can search in the list of suggestions. The search string can be entered in the search field.

If the Data Curator needs to suggest a new skill click on the button "Add a new skill". A window opens where the new skill can be added to the ontology. For a more detailed description see chapter 6.3.2 Check / Accept / Reject new Skills.

Filter by: Skills 👻	Search	٩	🕂 Add a	i new skill 🗸
WIKIDATA ID	ONSHIPS (WIKIDATA)	SUGGESTED BY	Create new	DED & ACTIONS

Figure 82: Button for adding a new skill



You can automatically populate these f	ields from an Wikida
Wikidata Id-	6
e.g. Q1234	
Name (EN) *	
Wikidata search	
Name (DE) *	
Aliases (EN)	
Add alias (EN) +	
Aliases (DE)	
Add alias (DE) +	
Relationships (Wikidata) *	
Type 👻 Skill	+
Please add at least one relationship	
Cancel Save 🗸	Save and accept

Figure 83: Screen for entering skill data

6.3.2 Check / Accept / Reject new Skills

If new skills are suggested in Profile Management or Data Categorization the suggested skills are listed for the Data Curator in Data Curation.

Initially the following data is listed for the skill: English name, name of user who suggested the skill, date of suggestion.

The buttons for editing (pencil) and deleting (trash can) are displayed.

Data Cur	ation	Data Categorizati	on	Filter by:	Skills 👻	Search	٩	+ Ado	l a new sk	ill ~	
NAME (EN)	NAME (DE)	ALIASES (EN)	ALIASES (DE)		WIKIDATA ID	ATIONSHIPS (WIKIDATA)	SUGGESTED BY	ACCEPTED BY	ADDED 🕁 A	CTION	٧S
New Term	-		•		• •		Second Maler		12/17/21	"	Ô

Figure 84: List of newly suggested skills

To check and edit the new skill click on the pencil. The following screen will appear.

The basis of the ontology is the website wikidata.org. To search for the new skill, click on the link "Search wikidata for New Term". A new browser tab opens with the search results for the search term.

After selecting the correct entry in wikidata the wikidata ID needs to be copied and entered in the wikidata ID-field.



With reloading the data (click on refresh arrows in field "wikidata ID") the data connected to the wikidata ID is added to the window.

Part of the data are aliases in English and German and relationships.

If necessary, the names, aliases and relationships can be adjusted manually. If everything is OK click button "Save and accept". The data is added to the ontology after a nightly batchjob (also see chapter 6.3.3. Nightly Batchjob).

If there are open questions the new skill can be saved (button "Save") without accepting the data. The data is just saved and can be worked on at a later point, for example after clarifying open question with the person who suggested the new skill.

If the term already exists in the ontology a message is shown: "There is already an entry with this wikidata Id". In this case the skill can't be added. The button "Save and accept" is inactive and the suggested skill needs to be deleted: click on cancel, then delete the suggested term with click on the trash can.

You can automatically populate the	se fields from an Wikida
 Wikidata Id 	
e.g. Q1234	/ N
Name (EN) *	
New Term	
Search wikidata for New Term	
Name (DE) *	
Aliases (EN)	
Add alias (EN) +	
Aliases (DE)	
Add alias (DE)	
Relationships (Wikidata) *	
Type 👻 Skill	+
Please add at least one relationshi	ip

Figure 85: Edit new skill



WIKIDATA	Special page Search results To search for Wikidata items by their title on a given site, use Special:ItemByTitle.	
Main page Community portal	Q New Term	Search
Project chat Create a new Item	Advanced search: Sort by relevance X	~
Recent changes Random Item	Search in: ((Main) X) Property X)	~

Figure 86: New browser tab after click on wikidata-link

Wikidata Id		
Q27318		£
There is already an entry wi	th this wikidata Id	
Name (EN) *		
test		
Search wikidata for test		
Test		
Aliases (EN)		
Add alias (EN)	+	
evaluation		i
test assessment		
נפסר מסספססווופוור		i
exam		i
examination		i
examination		
assessment		i
skill tests		ī
Aliases (DE)		
Add alias (DE)	+	
Schularbeit		ī
Relationships (Wikidata) *	1	
Туре 👻	Skill	+

Figure 87: Loading data from wikdata.org - wikidata id already exists



SUBCLASS_OF		event	Ī
Cancel	Save	✓ Save and	accept

Figure 88: Existing terms can't be added.

If a skill needs to be added which has no entry in wikidata.org it can be added without a wikidata Id. The necessary date needs to be added manually:

- English name
- German name
- Aliases in English and / or German (optional)
- At least one Relationship referenced to Wikidata
 - Select a type from the list
 - o Search for skill
 - Click plus button

After entering all necessary data click on button "Save and accept".

The accepted skill is highlighted in green.

It's possible to undo the acceptance. Edit the new skill again and click on button "Save and undo accept". The entry is now highlighted in grey.

If a suggested skill needs to be deleted a security prompt appears which needs to be confirmed to finish deleting the skill.

R	elationships (Wikidata) *	\square
	Г Туре	e1.00
	BELONGS_TO	-
	DEVELOPER	- 11
	INSTANCE_OF	1
	OPERATING_SYSTEM	- II.
	PART_OF	- II
	PROGRAMMING_LANGUAGE	

Figure 89: selecting relationship type



Relationships (Wikidata) *

Skill
indu +
lndustrial data processi
Industrial Robot Langu
Ethernet, point-to-poin
Industry Standard Arch
Payment Card Industry

Figure 90: selecting relationshop skill

You can automatically popu	late these fields fro	m an Wikida
Wikidata Id		6
Name (EN) *		
New Skill		
Search wikidata for New Skill		
Neue Fähigkeit		
Aliases (EN)		
Add alias (EN)	+	
Aliases (DE)		
Add alias (DE)	+	
Relationships (Wikidata) *		
Туре	Skill	
INSTANCE_OF	value	+
INSTANCE OF	SAP Gui	în

Figure 91: Save and accept new skill

0	Data Cur	ation	Data Categorizatio	n	Filter by:	Skills 👻		Search		۹	🕂 Add	l a new sk	ill 🗸	
	NAME (EN)	NAME (DE)	ALIASES (EN)	ALIASES (DE)		WIKIDATA ID	RELAT	TONSHIPS (W	/IKIDATA)	SUGGESTED BY	ACCEPTED BY	ADDED 🕁 A	CTION	S
	New Skill NEW	Neue Fähigkeit	-			•	INSTA	ANCE_OF	SAP Gui	Susanne Maier	Susanne Maier	12/17/21	" *	Î

Figure 92: accepted skill highlighted in green



You can automatically populate these fields fro	m an Wikidat
Wikidata Id	
e.g. Q1234	C2
Name (EN) *	
New Skill	
Search wikidata for New Skill Name (DE) *	
Neue Fähigkeit	
Aliases (EN)	
Add alias (EN) +	
Aliases (DE)	
Add alias (DE) +	
Relationships (Wikidata) *	
Type 👻 Skill	+
INSTANCE_OF SAP Gui	Ô
Cancel Save X Save and	undo accept

Figure 93: Save and undo accept

Data Cura	ation	Data Categorizatio	on	Filter by:	Skills 🔻	Search		Q	+ Ad	d a new sk	ill 🗸	
NAME (EN)	NAME (DE)	ALIASES (EN)	ALIASES (DE)		WIKIDATA ID	RELATIONSHIPS (WIKIDATA)	SUGGESTED BY	ACCEPTED BY	Y ADDED ↓	ACTION	IS
	Neue Fähigkeit	-	-		-	INSTANCE_OF	SAP Gui	Susanne Maier		12/17/21	S 1	Î

Figure 94: saved skill highlighted in grey

	t to delete t s action cannot be u	the skill "New Skill"?
Car	ncel 🗸 Co	onfirm

Figure 95: Deleting skill

6.3.3 Nightly Batchjob

To integrate the new skills into the ontology a nightly job runs early in the morning around five o'clock. The job is necessary to adjust the machine learning to the changed ontology.

Only after the job execution the new skills can be used in Profile Management and Data Categorization.



When the skills are integrated successfully the in green highlighted skill are deleted from the Data Curation list.

If the green entries still exist the next day the ProfileMap-Team needs to be informed and the following points checked:

- Did the job run correctly? If not, what was the reason?
- Was there any error message for this new skill?

Depending on the result of the analysis the next steps need to be decided.

New Certificate 6.4

To switch to the newly suggested certificates click on the filter and select "Certificates".

The list of suggested certificates is displayed.

Any user can suggest new certificates in profile management - see chapter 2.15 Suggest new certificate.

A Data Curator can also add new certificates directly in the Data Curation dialogue with click on "Add a new certificate" and "Create new".

A new window open where the relevant data for the new certificate can be entered or edited. It's the identical window which opens when clicking on the edit button of a suggested certificate.

Relevant data for a certificate:

- English name •
- German name (can be identical to English name)
- Category, selected from a drop down list

The edit screen can be closed by click on:

- Cancel changes will be ignored •
- Save data will be saved so it can be edited again at a later point
- Create certificate suggested certificate will be added to the ontology at once. • The entry will be deleted from the list.

If a suggested certificate needs to be deleted, click on the delete button. The delete request needs to be confirmed.

ata Curation Data Categorization	Filter by: Certificates	▼ Search	۹ + ۱	Add a new certificate 🗸
NAME (EN)	O Skills	NAME (DE) CATEGOF	Y SUGGESTED BY	ADDED 🕹 ACTIONS
Tosca SAP Testing Specialist Level 1 NEW	• Certificate	•	from the local	12/15/21 💉 🛅
Tosca Automation Specialist for SAP NEW	O Clients	-	Crosse Carbona	12/15/21 💉 🛅

igure 90. Select suggested certificat



Figure 97: Suggest new certificate



Data Curation Data Categorization	Filter by: Certificates 💌	Search	Q	+ Add a new certificate 🗸
NAME (EN)	NAME (DE)	CATEGORY	SUGGESTED BY	ADDED Edit /accept suggestion
Tosca SAP Testing Specialist Level 1 (NEW)			Kevser Korkmaz	12/15/21 🌶 💼
Tosca Automation Specialist for SAP NBW			Kevser Korkmaz	12/15/21 💉 💼

Figure 98: Edit/accept button for certificate

Ed	it "Tosca SAP Testing Specialist Level 1"
	Name (EN) *
	Tosca SAP Testing Specialist Level 1
	Name (DE) *
	Tosca SAP Testing Specialist Level 1
ſ	Category *
	Test management
	Cancel Save 🗸 Create certificate

Figure 99: Edit new or suggested certificate

Data Curation Data Categorization	Filter by: Certificates 👻	Search	۹	+ Add a nev	v certificate 🗸
NAME (EN)	NAME (DE)	CATEGORY	SUGGESTED BY	ADDED 🎍	Delete suggestion
Tosca SAP Testing Specialist Level 1 (NEW)			Kevser Korkmaz	12/15/21	· 🖣
Tosca Automation Specialist for SAP (NEW)	-		Kevser Korkmaz	12/15/21	1

Figure 100: Delete button for certificate

Do you really want to		he certificate	"Tosca Bl Specialist"?
	Cancel	🗸 Confirm	

Figure 101: Prompt for confirming deletion of certificate

6.5 New Clients

To switch to the suggested clients, click on the filter and select "Clients".

The newly suggested clients are listed.

Like new skills the English name, "suggested by" and the date of the suggestion are listed. Possible actions are editing (pencil button) and deleting (trash can button) the suggestion.

Any user can suggest new clients in profile management - see chapter 2.18 Add Projects.

The Data Curator can also add new clients in Data Curation with clicking on the button "Add a new client" and "Create new".

A window opens where the data of a new client can be added:

- English name
- German name (can be identical to English name)
- Category from a drop down list



This is the same window as the edit window when the edit button of a suggested client is clicked.

After entering / editing the client data the data can be saved for a later decision or created directly and is available in profile management at once.

If the client already exists or is a duplicate the suggestion can be deleted with the delete button on form of a trash can.

Data Curation	Data Categorization		Filter by: Clients 👻	Search	۹	🕂 Add a new client 🗸
NAME (EN)	NAME (DE)	CATEGORY	O Skills		ADDED 🕹	ACTIONS
new client NEW			O Certificates		12/17/21	/ =
new client NEW	neu kunde	Airlines	• Clients		12/17/21	1

Figure 102: Switch to clients and list suggestions

Data Curation Data C	ategorization			Filter by: Clients 👻	Search	Q	+ Add a new client 🗸
NAME (EN)	NAME (DE)	CATEGORY	SUGGESTED BY		,	ADDED 🔸	Create new रीण

Name (EN) *	
New Client	
Name (DE) *	
Neuer Kunde	
Category *-	
Ва	
Banks	
Basic Materials	
Basic Resources	
Building Materials & Fixtures	
Construction & Materials	

Figure 104: Edit new / suggested client

Figure 103: Add new client



Name (EN) *		
New Client		
Name (DE) *		
Neuer Kunde		
Category *		
Banks		

Figure 105: Possible actions after editing a client

Data Curation Da	ta Categorization		Filter by: Clients 👻	Search	٩	🕂 Add a new client 🗸
NAME (EN)	NAME (DE)	CATEGORY	SUGGESTED BY		ADDED 🕹	Delete suggestion
New Client NEW	Neuer Kunde	Banks	Name and Address		12/17/21	ar 🖣m

Figure 106: Delete a suggested client

6.6 Editing existing Skills, Certificates, Clients

Existing issues can be adjusted in data curation after adding them.

As with for new terms the filter can be adjusted for selecting for skills, certificates or clients.

Reasons for adjusting terms can be

- Removing typing errors
- Adding or removing relationships for skills
- Adding new aliases
- Adjusting name for other reasons
- Changing categories for customers or certificates

Default setting for Data Curation is "new".

Data Curation Data Categorization	New D Existing Filter by Skills 👻	Search	٩	+ Add a new skill ∨
Figure 107: Display suggested terms				
The display can be changed to "Existing":				
Data Curation Data Categorization	Iew 💶 Existing Filter by Existing skills 👻	Search	۹	+ Add a new skill ∨

Figure 108: Display exising terms

The initial list after changing the view is empty. The list fills as soon as in the search field a search string is entered.

Data Curation	ata Categorization	New Existing Filter by	Existing skills v	+ Add a new skill 🗸
NAME (EN)	NAME (DE)	ALIASES (EN)	ALIASES (DE)	ACTIONS
Microsoft Office	Microsoft Office	ms office, office, mso	ms-office, office system, office, ms office	🖋 Edit item
Microsoft Excel	Microsoft Excel	microsoft office excel, excel, offi excel, ms excel	ce -	🖋 Edit item
Microsoft Word	Microsoft Word	ms word, multi-tool word, word, microsoft office word	ms word	🖋 Edit item
Microsoft Access	Microsoft Access	ms-access, acceso, acceso a la oficina, access, microsoft office access	ms access, microsoft office access	🖋 Edit item
Microsoft Office 2007	Microsoft Office 2007	office 2007, ms office 2007, offic	e 12 office 2007, 2007 microsoft office system	🖋 Edit item

•MS

Figure 109: Searching existing terms

6.6.1 Editing Skills

For editing skills click on the button "Edit item", also marked with a pecil.

The following window will be displayed with the data already available.

As soon as data is changed, the "Save"-button is activated and can be clicked to save the changed data.

			Edit Skill	
		You	can automatically populate these fields from an V	likidataId
Wikidata Id Q11255		đ	Name (EN) * Microsoft Office	Name (DE) * Microsoft Office
Relationships (Wikida	ata) *		Aliases (EN)	Aliases (DE)
Туре	▼ Skill	+	Add alias (EN)	Add alias (DE) +
INSTANCE_OF	Productivity Software	Ô	ms office 💼	ms-office 💼
NSTANCE_OF	Office Suite	Î	office 💼	office system 💼
NSTANCE_OF	Proprietary Software	Ô	mso 💼	office 💼
o more			suite of office programs produced by microso	t ms office Description (DE) programmpaket für büroarbeit
Cancel				Search wikidata for Microsoft Office Save

Figure 110: Data Curation - Editing Skills

6.6.2 Editing Certificates

The edit screen for certificates looks like this.



	Edit Cer	tificate	
. Name (EN) *			
TOSCA Certified	Specialist		
. Name (DE) *			
TOSCA Certified	Spezialist		
Category *			
Test manageme	ent		*
	Cancel	Save	

Figure 111: Data Curation - Editing Certificates

6.6.3 Editing Clients

For clients also the logo can be changed / added. If it's available in wikidata.org it's already loaded when adding the new client.

If the client was added before making the link to wikidata.org available, the data including the logo can be reloaded be adding the wikidata-ID and reloading the data.

If necessary the logo can be added, deleted or changed.

For this click on the logo. For deleting the logo click on the wastebin on the right. For changing or uploading a logo click on the pencil on the left.

The logo is shown in the project part of the profile and can be exported in the profile export.

After all changes are done click on the "Save"-button to save all changes.

Edit Client	Edit Client			
Allianz (II)	- Wikidata Id			
Q487292	Q487292			
Name (EN) *	Allianz			
Search wikidata for Allianz Name (DE) * Allianz	Search wikidata for Allianz Name (DE) * Allianz			
Category * insurance (duplikat)	Category * insurance (duplikat)			
Cancel Save	Cancel Save			



6.7 Deactivating Terms

If there are duplicates or obsolete terms (skills, certificates, clients) the data curator needs to be able to remove them from the ontology.

There is no physical removal from the ontology, the term will only get a flag that it's deleted, and it will not be shown in any selection screen anymore.

Deactivated terms which are still used in the profile management are shown as striked through (strike through). This is a signal for the user to remove this term from the profile and if necessary, use the correct one.

6.7.1 Deactivate and Re-activate Term in Data Curation

To deactivate an existing term, eg. a skill, go to the Data Curation Screen.

Select "existing terms" and search for the relevant skill.

Datenkur	atierung	Datenl	kategorisi	erung						
Kompetenzen	Zertifikate	Kunden	Job- Rollen	🗌 Nur deaktiviert	Neu	Bestehende	Suche new skill	Q	+ Neue Kompetenz	hinzufügen
Name									Wikidata-Id	Aktionen
> Test New S newSkill	ikill									# ×

Figure 112: Data Curation - existing skills

To deactivate this skill, klick on the red cross on the right side.

The following warning message will be displayed:

Do you really want to deactivate this entity?
This entity is still used by 1 user(s). They will be notified!
Cancel Confirm

Figure 113: warning message to confirm deactivating a term

After confirming this notification, the skill will be deactivated.

Data Cura	tion Dat	a Cate	gorization						
Competencies	Certificates	Clients	Job role	Deactivated Only	New Certain New	new skill	۹ +	• Add a new co	ompetence
Name								Wikidata Id	Actions
> Test New S newSkill	kill						Deactivated		Ø "D

Figure 114: Data Curation after deactivating a term

If the term was deactivated by mistake or if the term needs to be reactivated for other reasons, klick on the green circle arrow.

After that the term is active again.



6.7.2 Display of deactivated Terms in Profile Management

Before deactivating a skill, the profile would look like this:



Figure 115: active skill in profile

After deactivating the skill it looks like this:

MD Maz Donald Q Empire Teacher (XQT) Competencies	Ç.	
Others		^
Test New Skill		•000

Figure 116: deactivated skill in profile

According to skills, other deactivated terms are shown like this:



Figure 118: deactivated client in profile (projects)

6.7.3 Remove deactivated Term from Profile

6.7.3.1 Remove Skill

Click on "Edit Skills" (see chapter above).

The following window will be shown. Deactivated skills are shown here striked through, too. To delete the skill, mouse over the skill and click on the trash can.



Adding new skills to the profile works the same as described in a chapter above.

Edit Competencies

Add competencies from knowledge base or edit existing competencies

nowledge Base	0 of 0	<	>		Existing Competencies			
Applications +					Test New Skill	G	â	•000
Computer Languages ›						63		
Configuration Management Tool ›								
Frameworks >								
General, personal competencies ›								
Health Care ›								
Health Care Systems ›				>>				
ndustries ›								
ndustry Sector ›								
Machine Learning →								
Methodological Skills →								
New Cat EN >								
New Categ >								
BSU O Show all								
iearch			Q		→ Suggest	Cancel	•	🖌 Done

Figure 119: remove deactivated skill from profile

Certificates can remove in a similar way: edit profiles and remove the deactivated ones. Add new ones as required.

For clients in projects, it works a bit differently. Here you need to replace the client with the correct one or remove the client altogether.

Otherwise you can't save any changes in the project.



7 Document Overview

7.1 General Terms and Copyright

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7.2 Version History

Version	Description	Author	Date
1.0	Initial Creation	Eva Forster	16.09.2020
2.0	Uptate for UAT	Adrian Mandra	04.03.2021
3.0	Including Data Curation and Data Categorization	Susanne Maier	Nov / Dec 2021
3.0	Adjustments for Data Curation: Editing existing terms (skills, certificates, clients) Edit Skills: Skilllevel	Susanne Maier Monique Strehlow	May 2022 July 2022
3.1	Asynchronous search calls and subscores	Philipp Blohm	Feb 2023

7.3 Change History

Version	Chapter	Description	Author	Date
3.0	Data Curation	Adding new feature "Deactivating Terms in Ontology"	Susanne Maier	August 2022
3.0	Remove Skill Search	Skill Search needs to be removed from User Manual	Georg Jülke	September 2022
3.1	Edit Projects and Focus Area	Competencies in Projects and Focus Area can be changed without loosing already set competencies	Susanne Maier	Feb 2023

7.4 Reference Documents

Ref.	Document	Version	Date



Ref.	Document	Version	Date