Table 0.1: Showing the derived requirements of the Backend for the supervisor role, which are sorted by priority

ID	Description	Acceptance criteria	Priority
BS1	The supervisor should draft guidelines and assistance (e.g., Button with question-mark)	- At least one information resp. help function per functionality	1
BS2	The supervisor should be able to see which data is missing		1
BS3	The supervisor should be able to see data that is ready for review	- Try without content that is ready for review - Try with content that is ready for review	1
BS4	The supervisor should be able to assign exhibits to students	- Try assigning an exhibit to one student - Try assigning an exhibit to more than one student	1
BS5	The supervisor should be able to trace content back to specific students		1
BS6	The supervisor should be able to define topics and exhibits	- Try defining a topic more than once	1
BS7	The supervisor should be able to comment and discuss the given content of the students		1
BS8	The supervisor should be able to mark errors in the content	- Try marking an error twice	1
BS9	The supervisor should get e-mail notifications about new content handed in by students	- The e-mail should be received in less than 2 minutes in 90% of the time	1
BS10	The supervisor should be able to copy topics and categories (e.g., usage of templates for different typical cases, duplication, etc.)		2
BS11	The supervisor should be able to define validation-constraints (e.g., character limitation)	- Try with error within the validation constraints	2
BSt12	The supervisor is able to see the amount of texts and pictures in a hidden topic	- Try without any content included - Try with a lot of content included	2
BS13	The supervisor should be able to work offline	- Try disconnecting a running session	3

Table 0.2: Showing the derived requirements of the Backend for the student role, which are sorted by priority

ID	Description	Acceptance criteria	Priority
BSt1	The students are only able to send in specific content (field / topic)	- Try sending content to another topic	1
BSt2	The students should get an e-mail noti-fiation about new content in their topic (e.g., send in via fellow students)	- The e-mail should be received in less than 2 minutes in 90% of the time	1
BSt3	The students should be able to send in metadata	- Try with errors within the meta-data	1
BSt4	The students should be able to overview the possible links within their topic (e.g., GPS-information)	- Try without any links - Try with a lot of links	1
BSt5	The students should be able to send in content		1
BSt6	The students should be able to propose topics and content		1
BSt7	The students should only have temporary access to the backend	- Try logging in after the temporary account has been deleted	1
BSt8	The students should have access to all temporary content (i.e., not reviewed content)		1
BSt9	The students should be able to create interdisciplinary groups and communicate within these		1
BSt10	The students should be able to see their content in a preview mode that simulates the frontend		2
BSt11	The students should be able to see content of other groups in a preview mode that simulates the frontend		2
BSt12	The students should be able to comment and discuss the content of their group or other groups		2
BSt13	The students should be able to hide their unfinished work to the supervisor	- Try hiding without having any content	2

Table 0.3: Showing the derived requirements of the Backend for the master role, which are sorted by priority

ID	Description	Acceptance criteria	Priority
BM1	The master should be able to recover data by using a back-up system	- The recovery should not take longer than one hour	1
BM2	The master role can be assigned to a couple of users at the same time		2
BM3	The master is able to do the final acceptance		2

Table 0.4: Showing the derived requirements of the Backend, which are sorted by priority

ID	Description	Acceptance criteria	Priority
BMi1	The data of the system is stored on IMT-Server		1
BMi2	The system can be updated and maintained in the future (e.g., project-groups, SHK, etc.)		1
BMi3	The content should not be limited to specific layouts, views (e.g., languages) and templates		1
BMi4	The system should be expandable (e.g., new content, filters, etc.)		1
BMi5	The system should be safe with respect to hackers resp. data manipulation	-The system should be safe with respect to the economic view/ definition of safety	1
BMi6	The system offers features to manage groups		2

Table 0.5: Showing the derived requirements of the Frontend, which are sorted by priority

ID	Description	Acceptance criteria	Priority
F1	The user should be able to navigate to the different locations shown in the HiP-application		1
F1.A	The user should be able to navigate to the different locations and discover these locations on his own		1
F1.B	The user should be able to navigate to the different locations and use round tour information of the application		1
F1.B	The user should be able to navigate to the different locations while using filters (e.g., epochs)		1
F2	The user should be able to create thematic routes	- Try creating a route without assigning a theme	1
F3	The user should get a list of locations/exhibits in Paderborn		1
F4	The user should see linkings within an exhibit different exhibits (e.g., Liborischrein -> Hle -> Scriptorium)		1
F5	The user should be able to deselect specific categories	- Try deselect only one - Try deselect many	1
F6	The user should be able to filter exhibits on the map (e.g., locations, historical figures, etc.)		1
F7	The user is able to overlay the current map of the city with historical maps	- Try overlay one map with a hist. one - Try overlay a couple of maps	1
F8	The user is able to see himself and historical places on the map		1
F9	The user should not exceed his storage on the smartphone		1
F10	The user should not exceed his data-volume on the smartphone		1
F11	The user should be able to use the application easily (good usability)		1

Table 0.6: Showing the derived requirements of the Frontend, which are sorted by priority

ID	Description	Acceptance criteria	Priority
F12	The user should be able to switch between different contents (e.g., Video, 3D, etc.) fast		1
F13	The user should be able to see *invisible* objects within the details-tab (e.g., something placed inside an altar)		1
F14	The user should be able to use tablets and smartphones		1
F15	The user should only get details about an exhibit while he is next to it or afterwards	- Try to get details beforehand	1
F16	The user should be able to get texts, graphics/ pictures and links about an exhibit		1
F17	The user should be able to get audio, video and 3D-views/models about an exhibit		2
F18	The user can create and join treasure hunts respectively geo-caching features		2
F19	The user should get informed about exhibits and locations that are next to him		2
F20	The user should be able to get navigated with AR-rabbits		2
F21	The user should be able to get navigated inside of a building		2
F22	The user should be able to choose between different starting possibilities (i.e., tour, discovery and historical topics)		2
F23	The user should be able to hear the content via an audio-guide		2
F24	The user should be able to get exhibits as comparison by using AR		2
F25	The user should be able to create own notes and comments		2
F26	The user should be able to share content via social media		2
F27	The user should be able to export content as PDF and create book-marks	- The export should not take longer than 30 sec in 90% of the time	2
F28	The user should be able to get the content in different languages (i.e., english, french, turkish)		2
F29	The user should be able to choose between different criteria with respect to the audience (e.g., different ages of people)	- Try selecting one criterion - Try selecting more than one criterion	2