

Glossary
Visitor: A person who enters to site
User: Visitor who signed up and logged in
Glossary: List of Topics
Topic: Consists of topic title, topic description, topic content and label(s)
Topic Content: Contains topic image(s) and topic text
Topic Statistic: Consist of enrolled user number, accuracy of the quiz answers
Learning Path: A consecutive collection of topic content and related quiz
Quiz: A collection of questions
Question: Related with specific Content and created by users as a step of a Learning-Path for others to explore
User Profile: Consists of user email, created topic list, enrolled topic list, enrolled topic statistics
Activity: Action of a user defined by the WJC in https://www.w3.org/TR/activitystreams-core/
Activity Stream: Collection of activities defined in JSON-LD format
Annotation: A piece of comment in JSON-LD format created by a User on a page in the system related to an image or a text
Annotation-Server: A stand-alone, separate server that contains and serves all annotations
Label: Wiki tag related to content which is created by the owner of the content

Requirements	Status	Comments
1. Non-functional Requirements		
1.1. Back-end shall use the following database system: PostgreSQL	Done	-
1.2. Back-end shall be written in Java	Done	-
1.3 Developed application should be deployed to web	Done	-
1.4 System language shall be English	Done	-
1.5 System shall have continuous integration / continuous development implementation through CircleCI	Done	-
1.6 Static Code analysis shall be done through Sonar Cloud	Done	-
1.7 As an acceptance criteria there should be 80 percent of code coverage on Back-end codes	Done	-
1.8 System development shall be followed via Github	Done	-
1.9. All Annotations should be stored in a stand-alone Annotation-Server	Done	-
1.10. All Annotations should be retrieved from a stand-alone Annotation-Server	Done	-
2. Functional Requirements		
2.1. Visitor Requirements		
2.1.1 Visitor shall be able to see the landing, glossary, signup and login pages.	Done	-
2.1.2 Visitor and user shall be able to search glossary.	Future Work Required	Feature has to be improved. Search is only filtering topic titles at the moment.
2.1.3 Visitor shall be able to sign up as a user.	Future Work Required	Login request requires constrain validation exception.
2.1.4 Email and Password shall be required for sign up.	Done	-
2.1.5 Email shall be unique.	Done	-
2.1.6 Email and password shall be required for log in.	Done	-
2.2. Topic Requirements		
2.2.1 User shall be able to create topic.	Done	-
2.2.2 Topic shall have a title.	Done	-
2.2.3 Topic shall have at least one tag.	Done	-
2.2.4 Topic shall have a description.	Done	-
2.2.5 Topic shall be seen by users.	Done	-
2.2.6 Topics shall be listed in glossary.	Done	-
2.2.7 Topic shall have more than one learning path.	Done	-
2.2.8 Topic shall have zero or many quiz.	Done	-
2.2.9 Topic statistic shall be seen by topic owner.	Canceled	This was the requirement from the last semester.
2.3. API Requirements		
2.3.1 User shall be able to search api with keyword(s).	Future Work Required	Feature has to be improved. Search is only filtering topic titles at the moment.
2.3.2 User shall be able to select zero or many result from api search.	Done	-
2.3.3 User shall use selected api result(s) in his/her topic.	Done	-
2.4. Quiz Requirements		
2.4.1 Learning path shall have at least one quiz.	Done	-
2.4.2 A quiz shall have at least one question.	Done	-
2.4.3 Question shall be related with content.	Done	-
2.4.4 Question shall have five options with only one correct answer.	Done	There is no option number restriction at the moment.
2.5 User Requirement		
2.5.1 User shall be able to update the owned topic.	Done	-
2.5.2 User shall be able to update the learning path which belongs to owned topic.	Done	-
2.5.3 User shall be able to update the quiz which belongs to owned topic.	Done	-
2.5.4 User shall be able to see quiz when the quiz is started.	Done	-
2.5.5 User shall be able to continue the learning path after answering the all questions correctly.	Canceled	This was the requirement from the last semester.
2.5.6 User shall be able to restart the quiz.	Canceled	This was the requirement from the last semester.
2.5.7 User shall see his/her own user profile.	Done	-
2.5.8 User statistics shall be stored with enrolled topic(s) and quiz answers.	Canceled	This was the requirement from the last semester.
2.5.9 User statistics shall be displayed in user profile.	Canceled	This was the requirement from the last semester.
2.5.10 Users should be able to follow another Users	Done	-
2.5.11 Users should be able to follow Labels	Done	-
2.6 Activity Requirements		
2.6.1 Users should be able to see the Activities of the Users which they are following	Done	-
2.6.2 Activity Streams should be generated by the system.	Done	-
2.7 Annotation Requirements		
2.7.1 Users should be able to create an Annotation for an image on a page	Done	-
2.7.2 Users should be able to create an Annotation for a selected text on a page	Done	-
2.7.3 Users should be able to see all the Annotations created on a page in the platform	Done	-
2.8 Recommendation System		
2.8.1 Users should be able to see Recommendations based on the Labels and Users that they are following	Failed	Requires the understanding of sparql. Wikidata api does not have proper features to search related wikis.