

Github:

<https://github.com/BeloIV/QuizWizz>

Personas:

<https://www.canva.com/design/DAG1RztIRGU/PXXWNg7mWSKmAAbSzaOW5g/edit>

- **Stakeholder(s) and their mission**
 - Group of students - customer/owner/operator, students that want to test their abilities before taking an exam, they want to practice their knowledge by creating and doing quizzes, they want to study with their friends so they can study together, communicate and compare their results
- **Goals**
 - The application should allow the user to create a test/quiz with questions and answers, which can later be used to test their knowledge.
 - The quizzes can be shared between users using invites as a way to study together or to test their knowledge.
 - Users can also interact with each other using a comments section for each quiz.
- **Success measures**
 - Number of active student users
 - The frequency of quiz creation and completion
 - Strong engagement through sharing and collaboration
 - Positive feedback and measurable improvement in learning outcomes.
- **Competition analysis**
 - Existing quiz platforms (e.g., Quizlet, Kahoot) already offer similar learning tools.
 - Quizlet -quiz rating, highlighting questions - you can see which questions were problematic for you
 - disadvantages - choices are limited if you don't pay for the application, mainly flashcards, redundant game modes
 - Kahoot
 - explanation of question
 - hard to self study school topics
 - extraction question from pdf

- Many focus on entertainment or classroom settings rather than self-study.

- **Requirements**

- Functional requirements

Manage an account - user will be able to manage his account, including all basic functionalities

- Create
- Delete

Create quiz - system will enable user to create quizzes and tests based on their preferences (multiple choice, true/false, open response questions), each quiz will contain questions with right answers, and user can provide explanation for the answers, each quiz can be assigned multiple tags that can help other users with searching for the right quiz, user can create quiz from failed or highlighted questions

- Quiz name
- Question
- Answer
- Explanation (optional)
- Tags representing the content of the quiz
- Create quiz from failed questions

Rate the quiz - users can rate quizzes, so others can see if specific quiz is worth taking
Comment under a quiz - users can share their experience through comments

Share your score on your account page - each user can share his score on their account page, so they can interact and compare with other users

Share quiz with another user - users can share quizzes with each other so they can study together or exchange quizzes

- Non-functional requirements

Performance: The application should load quizzes quickly and handle multiple users simultaneously without delays.

Usability: The interface must be simple, intuitive, and accessible on both desktop and mobile devices.

Reliability: The system should ensure data consistency and minimal downtime.

Scalability: The platform must support growth in the number of users and quizzes over time.

Security: User data (accounts, scores, and content) must be protected against unauthorized access.

Maintainability: The codebase should be easy to update and extend with new features.

- Schedule

Date	Task	Description
Round 1		
5-19.10.2025	User Specification, Product and Personas specification	Description of users, their roles and needs. Product specification with personas description
26.10.2025	Scenarios, Templates and Storyboards	Description of scenarios and storyboards corresponding with personas
2.11.2025	Website layout	Design of layout of application
9.11.2025	Basic quiz app	First initial stage

	usage prototype	of working mobile app prototype with basic functions of navigation
9.11.2025	Taking a quiz functionality - multiple choice questions	Taking a quiz functionality implemented with multiple choice type questions.
9.11.2025	Creating quiz from failed answers	Added functionality of self testing by creating new quiz from failed questions
9.11.2025	Quiz content tags	Quiz tags added for better orientation
15.11.2025	Prototype testing review and analysis	Revised testing sessions, and planning next steps for further improvement
Round 2		
30.11.2025	Questions creation - more question types (fill in blank)	Implemented functionality of quiz creation with more types of questions
7.12.2025	Quiz rating	Added quiz rating for better orientation and evaluation
9.12.2025	Improving UI	For better user orientation

Round 3 - opened for consultation		
	Quiz comments section	For interaction between users
	Connecting accounts (Friends)	
	Sharing quizzes	
	Share quiz score	
	Filter shown quizzes by tags or by rating	
	Account creation (Create, Delete, Manage)	

- **Budget**

- Manage an account - 2 weeks
 - Create
 - Delete
 - Connect with other users (friends)
- Create quiz - 3,5 weeks
 - Quiz name
 - Question
 - Answer
 - Explanation (optional)
 - Tags representing the content of the quiz

Create quiz from failed questions

- Rate the quiz - 2 days
- Share your score on your account page - 1 week
- Share quiz with another user - 1 week
- Comment under a quiz - 1 week

- **Responsibilities**

- The Team

Juráška A.

- Persona
- Persona ambassadorship

Suchá K.

- Specification
- Testing observation (includes testing report production; must be distinct from the moderator)

Beluško Š.

- Prototype
- Backend implementation

Magula T.

- Leadership
- Testing moderation

Zvonov E.

- Frontend implementation
- Design