- 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
      - Register - create an account
      - Log in
    - Create quiz - system will enable user to create quizzes and tests based on their preferences (multiple choice, true/false, fill in the gap), 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 questions
      - Quiz name
      - Question
      - Answer
      - Explanation (optional)
      - Tags representing the content of the quiz
      - Retry failed questions from a completed quiz
    - 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 quiz with another user - users can share quizzes with each other so they can study together or exchange quizzes
    - Message another user - users can send messages to one another

- ○ 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 usage prototype	First initial stage 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 analisis	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		
14.12.2025	Account creation (Create, Manage)	For interaction and privacy between users
19.12.2025	Sharing quizzes	Implemented interface for sharing quizzes between users to support communication
3.1.2026	Favoriting quizzes	Implemented interface for selecting quiz as favourite
5.1.2026	Updating main page - shared, recent and favourite quizzes, testing a potential bottom nav panel alternative	2 versions proposed for A/B testing for determining better design version
8.1.2026	Quiz comments section	For interaction between users
10.1.2026	Messages between users	Enabling users to communicate with each other
12.1.2026	Sorting quizzes by ratting	For better search options

- Budget
  - Manage an account - 2 weeks
    - Create
    - Connect with other users
  - Create quiz - 3,5 weeks
    - Quiz name
    - Question
    - Answer
    - Explanation (optional)
    - Tags representing the content of the quiz
    - Retry failed questions from a completed quiz
  - Rate the quiz and sorting quizzes by rating - 3 days
  - Share quiz with another user - 1 week
  - Comment under a quiz - 1 week
  - Favoriting quizzes - 2 days
  - Connecting accounts - 3 days

- Responsibilities
  - The Team
    - Juráška A.
      - Persona
      - Persona ambassadorship
    - Suchá K.
      - Specification
      - Testing observation (includes testing report production; must be distinct from the moderator)
      - Testing moderation
    - Beluško Š.
      - Prototype
      - Backend implementation
    - Magula T.
      - Leadership
      - Testing moderation

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

Zvonov E.
- Frontend implementation
- Design