Requirement specification

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Supplementary specification

System Quality Requirements
1. The system should respond in an acceptable timeframe.
2. The system should be user-friendly
    a. System provides helpful error messages
    b. System avoids unnecessary input
3. The system should be secure
    a. SQL injections
    b. Javascript injections
    c. Password handling
    d. Session hijacking

UC1 User plays a quiz

Preconditions
1. User is authenticated Ex. UC4
2. User has chosen a quiz Ex. UC3

Main scenario
1. System provides a quiz for user to answer based on quiz chosen
2. User completes the quiz
3. System presents a summary of how many answers the user got right and how many answers he got wrong

UC2 User gets compilation of accomplished quizzes

Preconditions
1. User is authenticated Ex. UC4

Main scenario
1. Starts when a user wants to see what quiz results of accomplished quizzes
2. System present compilation of accomplished quizzes

UC3 User gets compilation of playable quizzes

Preconditions
1. User is authenticated Ex. UC4

Main scenario
1. Starts when user wants to choose quiz to play
2. System presents a compilation of quizzes for the user to choose from

UC4 Authenticate user

Main scenario
1. Starts when a user wants to authenticate
2. System asks for username, password
3. User provides username and password
4. System authenticates the user and presents that authentication succeeded

- 4a. User could not be authenticated
  1. System presents an error message
  2. Step 2 in main scenario

UC5 Logging out an authenticated user

Preconditions
1. A user is authenticated Ex. UC4

Main scenario
1. Starts when a user no longer wants to be logged in
2. The system present a logout choice
3. User tells the system he wants to log out.
4. The system logs the user out and presents a feedback message

UC6. Register a new user

Main scenario
1. Starts when a user wants to create login-credentials
2. System ask for username and password
3. User provides username and password
4. System saves the credentials and presents a success message

Alternate Scenarios
- 4a. Credentials could not be registered (Username already used, wrong username format, Wrong password format.
  1. System presents an error message
  2. Step 2 in main scenario.

UC7 Admin creates a quiz

Preconditions
1. User is authenticated as role Admin Ex. UC4

Main scenario
3. Starts when user wants to create quiz
4. System presents a form to create quiz

5.　　User fills form and submits
6.　　System presents feedback message

6a. System presents that quiz already exists
1.　　System presents error message
2.　　Step 4 in main scenario.

UC8 Admin removes a quiz

Preconditions
1.　　User is authenticated as role Admin Ex. UC4

Main scenario
1.　　Starts when user wants to remove quiz
2.　　System presents a confirmation button if sure about removing quiz
3.　　User submits
4.　　System presents feedback message

UC9 Admin edits a quiz

Preconditions
1.　　User is authenticated as role Admin Ex. UC4

Main scenario
1.　　Starts when user wants to edit quiz
2.　　System presents a form to edit
3.　　User fills form and submits
4.　　System presents feedback message