

Release Summary

!Toohak

3/8/24

Sprint 1

- User Stories:

- 1.1: As a user, I want to be able to join a dedicated quiz so that I can participate in the activity
 - Acceptance criteria:
 - On page load, user should connect to the server
 - User ID should be printed in the terminal
- 1.2: As a quiz participant, I want to be able to receive questions
 - Acceptance criteria:
 - On page load, user should connect to the server
 - The user should see the question that was sent from the server display on the screen

Sprint 2

- User Stories

- 2.1: As a user, I want an easy UI to join a room and know that I'm in the waiting room.
 - Acceptance criteria:
 - Waiting room page for hosts (wait for more players)
 - Waiting room page for players (wait for host to start quiz)
- 2.2: As a host, I want to be able to create a room and start a quiz
 - Acceptance criteria:
 - Default landing page for all users (hosts/players)
 - Create room page for hosts
 - Start quiz page for hosts
 - Upon 'start quiz', player view changes
- 2.3: As a user, I want a simple UI to know when I am waiting for others to finish answering questions
 - Acceptance criteria
 - After answering a question, redirect to waiting for other players to answer page
- 2.4: As a user, I want a simple UI to know when I am waiting to receive the next question
 - Acceptance criteria:
 - After answer is displayed, redirect to waiting for next question page
 - If the backend sends a new question, display the next question

Sprint 3

- User Stories:

- 3.1: As a quiz participant, I want to be able to answer questions
 - Acceptance criteria
 - After receiving the question, I should have a list of answers that I can select
- 3.2: As a quiz participant, I want to be able to see the solution to the previous question
 - Acceptance Criteria
 - After all players answer the question, my screen will display green if I got the answer correct and red if I got the wrong answer, with the correct answer displayed
- 3.3: As a quiz participant, I want to be able to see the results at the end of the quiz.
 - Acceptance Criteria
 - A leaderboard will be displayed, with the top 3 scores as well as the player's score.
- 3.4: As a quiz host, I want to make sure all quiz participants receive questions at the same time
 - Acceptance Criteria
 - Using manual testing, validate that running multiple players, the quiz question should show up with less than a total of 1 second difference.

Sprint 4

- **User Stories:**

- 4.1: As a teacher, I want to be able to build my own quiz so that I can test my students on class concepts
 - Acceptance Criteria
 - A teacher should be able to enter a quiz name and add as many MCQ questions as they would like
 - When the teacher submits the form to create the quiz, they should be redirected to the home page
 - When the teacher (aka host) creates a room, they should be able to select the quiz they just created by identifying the name
- 4.2: As a teacher, I want to be able to test students using different question types (MC, T/F, etc.)
 - Acceptance Criteria
 - A teacher should be able to add as many questions T/F OR MCQ questions to the quiz they are building
 - When the teacher submits the form to create the quiz, they should be redirected to the home page
 - When the teacher (aka host) creates a room, they should be able to select the quiz they just created by identifying the name

Known Bugs:

- Pressing the browser's back button after the game ends will crash the backend because the room id entry will no longer exist in the backend's game state hashmap

Product Backlog

- As a player, I want to be able to set my nickname while waiting for a quiz to start.
- As a teacher, I want to be able to add images to the questions I create.
- As a user, I want to be able to create my own account and log in for future use.
- As a user, I want to be able to enjoy nice synchronized music while a quiz is playing.
- As a quiz host, I want to be able to skip to the next question manually.