

1531 Boost Planning Report

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Elicitation

Are there any problems you have as a creator of quizzes when using tools such as toohak?

Jun-yu Answer: It does not allow me to use different types of questions, for example choices between answers only, but what if I want to do a short response or not just a binary correct/incorrect answer.

Craig Answer: I struggle to come up with questions.

Are there any problems you have as a player of quizzes when using tools such as toohak?

Jun-yu Answer: Sometimes my answers get inputted incorrectly, as the UI is not very clear.

Craig Answer: Sometimes there is lag between my answer and when it shows up on the screen, sometimes visuals can be too small.

Are there any features you wish toohak had?

Jun-yu Answer: A constant display of where I am on a leaderboard/ a leaderboard of after each quiz. In addition, a confirm message when selecting an answer while playing could be quite helpful so I do not misclick. Music in the background would make the quizzes more enjoyable.

Craig Answer: More visuals, so more than one picture to go with each question would be helpful. Additionally, music playing while the quiz happens would be nice.

How do you currently use toohak or similar tools in your daily routine or professional work, and in what context?

Jun-yu Answer: I use it as flashcards to help me memorise questions, for educational purposes.

Craig Answer: I use it to revise like flashcards, as it is interactive and helps memorise content.

How satisfied are you with the user interface of toohak? What do you like or dislike about it?

Jun-yu Answer: Yes

Craig Answer: Some of the buttons could be more colourful, the UI seems quite bland

Analysis & Specification - Use Cases

User Stories:

As a player, I would like to be able to see the leaderboard of the quiz at all times, containing every player, so I can see my placement relative to the other participants.

Criteria:

- On the waiting for next question screen there is a table with rows equal to the amount of players and three columns
- The top three columns contain rank, name and score
- The table is filled with each players name and score in descending order, with the ranks one to the total number of plates on the left.

As a creator of quizzes, I would like to include multiple images in my questions to assist the players with additional visual aid.

Criteria:

- A search field is placed underneath thumbnail url in the question edit section
- The search field placeholder contains grey text with "optional image url"
- The placeholder text disappears once the user starts typing
- Once the user had entered a valid image url, another search field is placed underneath the current, identical to the one that was there previously.
- There is a limit of three optional images per question.
- The image url has to be valid.

As a player, I would like to be able to confirm my selection of answer so I do not unintentionally answer a question incorrectly.

Criteria:

- A confirm selection button containing grey text with "confirm selection?" appears on screen once an answer is selected.
- If the user clicks on the screen anywhere except for the button, the answer is deselected

As a creator, I want to add music to my sessions that plays in the background.

Criteria:

- A field containing placeholder grey text "select mp3 file" is present underneath the thumbnail url search field in the quiz section.
- An option to import an mp3 file will show up once the text is clicked.
- A valid mp3 file must be selected.
- The placeholder text will be replaced with the name of the mp3 file once a valid mp3 file has been selected.
- Once the session starts, the mp3 file will be played.
- If the mp3 file is played to completion, it will start again.
- The mp3 file will stop playing when the user ends the session.

Use case for music:

Steps:

1. User creates a quiz
2. User clicks on the field containing “select mp3 file”
3. User selects and uploads an mp3 file
4. The server verifies the file is type mp3, valid
5. The front end displays the mp3 file name in the field instead of the placeholder
6. User starts a session
7. The mp3 file is played
8. Once the mp3 file has been played to completion it is played again
9. User ends a session
10. The music stops playing

Validation

Craig Comments: This use case adequately describes my problem.

Jun-yu Comments: I think this use case accurately describes my suggested improvement to make the quizzes more engaging.

Interface Design

1. Uploading mp3 file

POST v2/admin/quiz/{quizid}/music

This endpoint allows for users to upload music the a quiz

2. Playing music

GET /v1/admin/quiz/{quizid}/session/{sessionid}/music/start

This endpoint starts the music mp3 file when a session is started

3. Stopping music

GET /v1/admin/quiz/{quizid}/session/{sessionid}/music/start

This endpoint stops the music mp3 file when a session is finished

Conceptual Modelling

