



uOttawa

CSI3140
Assignment #1

Group #4

Derek Hacault-Parodi#300122544

Marc WU #300205869




Description of the project:

Quizzle is a user-generated multiple-choice quiz website that lets users create and take quizzes. Users who have completed the quizzes will have access to the quiz result in their accounts. Users will also be able to create their own quizzes for others to take. The quiz maker can view various data related to the quiz such as the number of times the quiz was taken, the list of users who took the quiz, and the results of the quizzes. A quiz can be accessed using a unique code. While the application is mainly built for students and professors, anyone is welcome to use the platform.

Scopes and limitations:

- Only multiple-choice questions can be created, each question can have up to 4 choices
- Only registered users can take and create a quiz

Tech stacks of Quizzle:

Front-end	 ReactJS
Back-end / Server	 NodeJS
Database / Storage	 Firebase

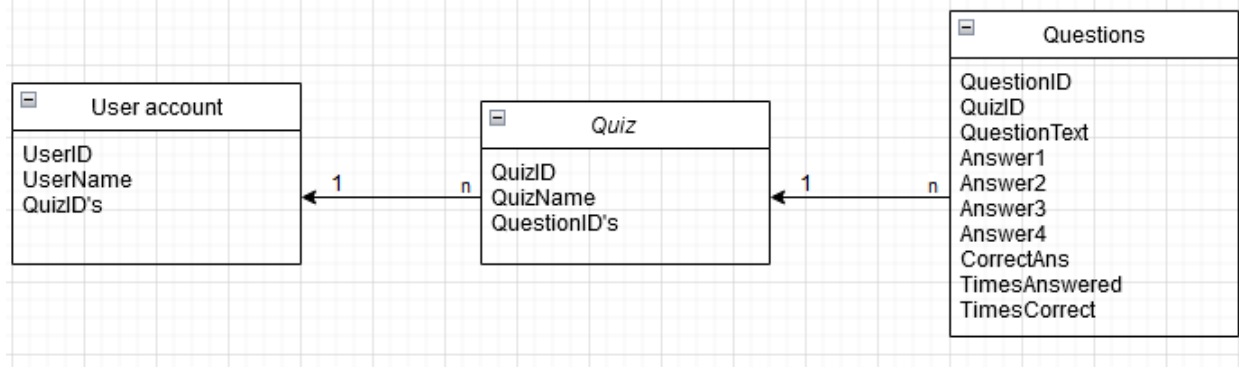
User interface and its architecture:

- The main page will have a text box and enter button, along with a button to go to the quiz maker page
- Quiz maker page will let users view created quizzes, check responses to created quizzes, delete existing quizzes and make new quizzes
- A reference document approach will be taken to manage user data and quizzes

Client-Side and Server Side Functionalities:

Client-Side Functionalities	<ul style="list-style-type: none">• The main page will give the user an option to join a quiz by entering its PIN and display a list of all quizzes they have taken• View results• Create, edit, view and delete quizzes:<ul style="list-style-type: none">◦ View includes student progress• Profile page to let user edit the personal information
Server-Side Functionalities	<ul style="list-style-type: none">• Method to store user account information• Method to store quizzes<ul style="list-style-type: none">◦ Quizzes know who created them and what questions they contain

- Method to store quiz questions
 - Questions know the “question” text, between 2 and 4 “answer” texts, which answer text is correct, and how many users picked the correct answer



How will the user interface be enhanced into a dynamic rich client using Ajax?

Change a question into an answer after the user clicks on one of the answers, then change it to the next question without refreshing the page.