
Design Document for QuizQuest

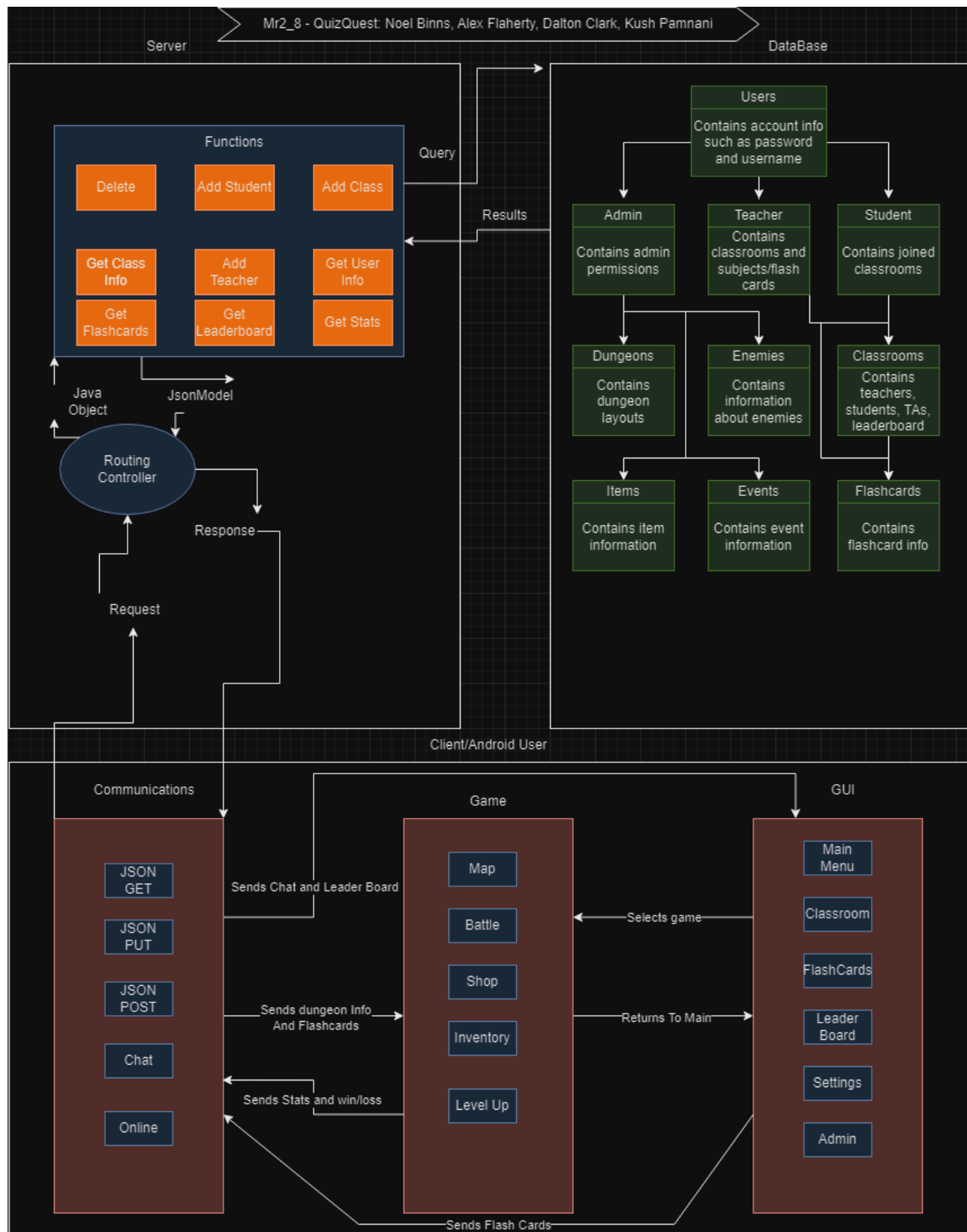
Group Mr2_8

Alex: 27% contribution

Noel: 27% contribution

Kush: 10% contribution

Dalton: 35% contribution



Frontend (currently implemented)

Flash Cards

Create Flash Cards

- Question
- Correct Answer
- 3 Wrong Answers

Delete Flash Cards

Edit Flash Cards

When you Enter a bank flash card you will create a new Flash Card and you can edit the text boxes to save. When you want to edit you just edit the text of an existing text box and then click save. To delete just click delete.

Create a user/Classroom

Create account page elements:

EditText: ID, Name, Password, ClassID. **Switch Buttons:** Create user, Create Class, Create Teacher. **Buttons:** Post button, Put button, Delete button

Screen takes input based upon the action being committed. If a user is being created, it needs a Username and a password, it then makes that user and gives an ID number.

If class and Teacher/User are selected together, then it will either create a class for a teacher, or add a student to a class respectively.

Backend

CRUDL Operations

Uses mapping to take in information and edit the database

These include Get, Post, Put, and Delete

Get: Get specific information from the database

Post: Make a new entry on a table with given json information

Put: Edit specific existing entries in tables

Delete: Delete specific entries in tables

Controllers and Entities

User: Contains information about users such as password, username, etc.

Admin:

Teacher: Contains teacher information such as classrooms, subjects/flashcards, etc.

Student: Contains student information such as classrooms, highscore, etc.

Classroom registrations: Join table for user-classroom many to many relation.

Ban list:

The controllers for each of these entities handles the CRUDL operations done on them.

PUT THE TABLE RELATIONSHIPS DIAGRAM on this fourth page! (Create the picture using MySQLWorkbench)

