
Block Diagram

Design Document for Dates and Duties

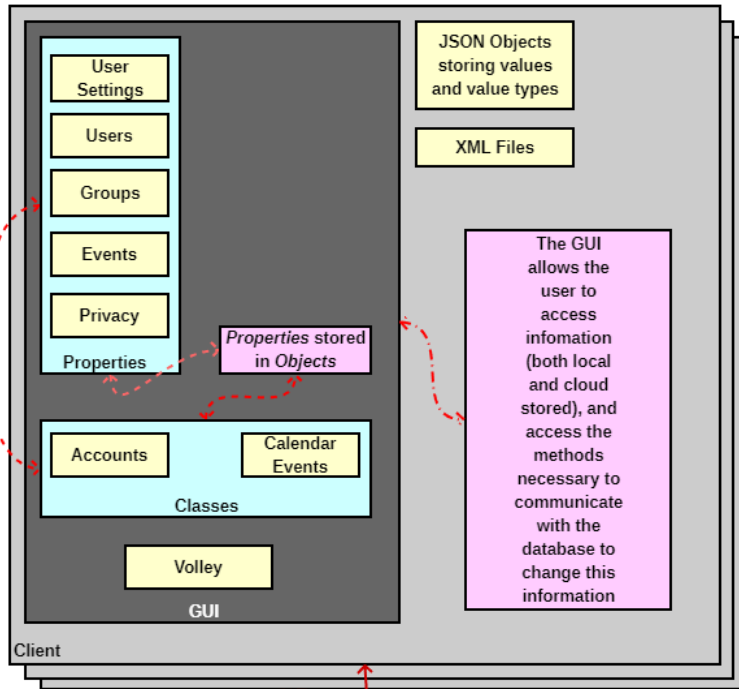
Group MC_01

Cayden Leicht: 25% contribution

Saffron Edwards: 25 % contribution

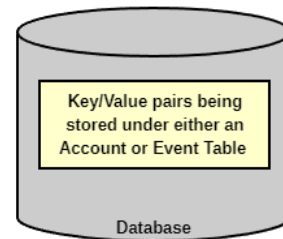
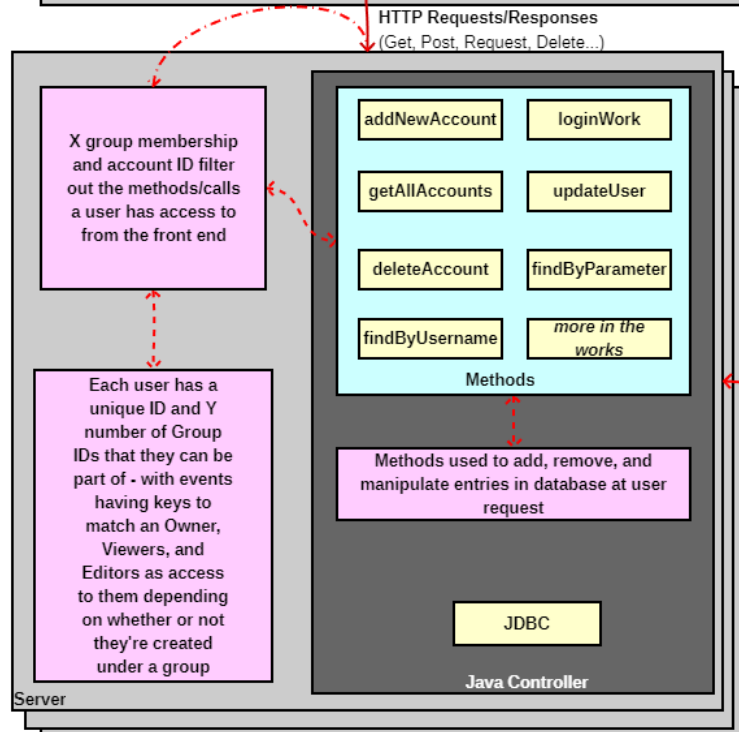
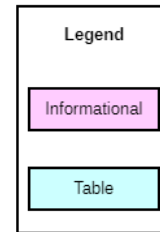
Brayden Ruch: 25% contribution

Kevin Lin: 25% contribution



MC_1: Dates and Duties Block Diagram

Cayden Leicht
Kevin Lin
Brayden Ruch
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mysql Requests/Responses

Design Explanation

Our client-side is created through Android Studio, thus using Java and XML files. The XML files handle the visual screens that the user will see on their device, and Java is for the functionality of those screens. We have a few main screens, including Create Event and Create Account, that are our largest contributors to our server data. These screens will be accessible through our Android application “Dates and Duties”.

The client side connecting with the server side through Volley Library. Using Volley requests and responses, we are able to connect the frontend and backend. This allows us to post information, check for correct passwords, and store/pull events from the server, etc.. These Volley requests are processed by the backend Java Controller.

The backend Java Controller is responsible for processing requests sent from the frontend Volley. They handle each request on a different http address and can have different input depending on the information we want to send/receive. The Java Controller then uses a JDBC query to process informational requests from the frontend to the MySQL Database hosted on the public server.

Our web server is responsible for holding and running the backend of our application including the JDBC application and the MySQL database. Within the database we will store user information, calendar events for specific people/groups, tasks(TODO), and groups/friends information. This information can be pulled and referenced by the user on the frontend android application to sign in, view personal events, and see what their friends are doing.

