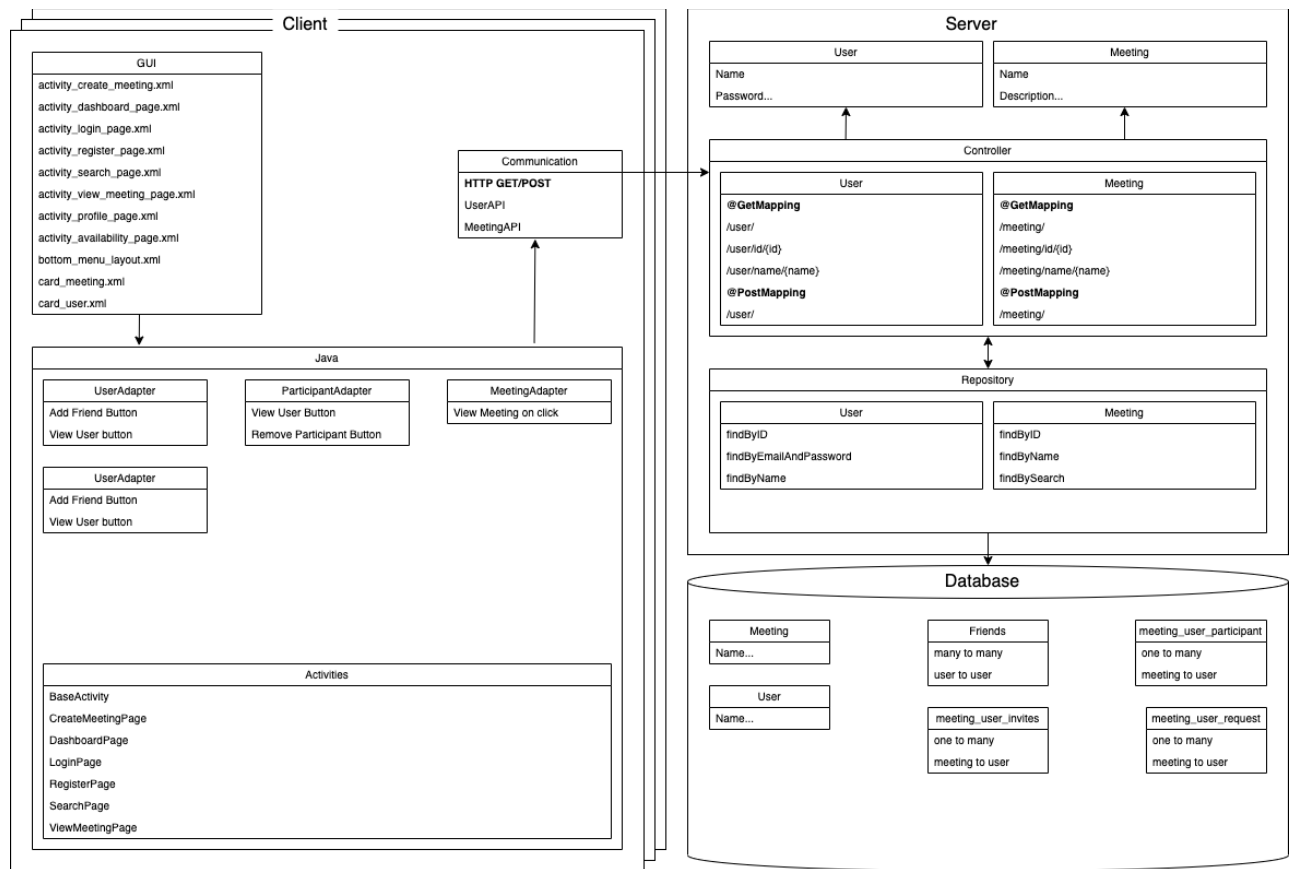# Design Document for MeetMe

Group 1_YN_1

Chris Cannon: 25% contribution

Whitney Willoz: 25% contribution

Austin Rognes: 25% contribution

Hoi Phung: 25% contribution

PUT THE BLOCK DIAGRAM PICTURE ON THIS PAGE! (Create the picture using pencil or drawIO)

Client Side:

This Block includes all information on GUI, activity classes, models and helper classes. Each activity class has a corresponding xml file in the GUI for the style of that screen/activity. The activities contain most of the logic behind user commands. Models included were the user class and meeting class. Each class contains getters and setters for all attributes of the model. Helpers used on the client side include both adapters for recyclerviews. There are also interfaces for HTTP communication with the server including userApi and meetingApi.

Server Side:

The server is split into the repository, controller, and object models. The object models represent the User and Meeting and hold their attributes and relationships. The controller for each object model defines their GET and POST call functionality with the object models. The repository for each object model communicates with the mySQL database to return queries. The controller methods will call the repository methods to use mySQL while keeping the mySQL queries decoupled from the rest of the code.

Database:

The main object tables are User and Meeting, other tables are relationships between these two. Most are one to many relationships between meetings and users to model invitation, request, and current participants of a meeting. Friends are between users and many other relationships will be needed for a chat feature in the future.

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