
Design Document for <<Phun Poker App>>

Group <TA_123>

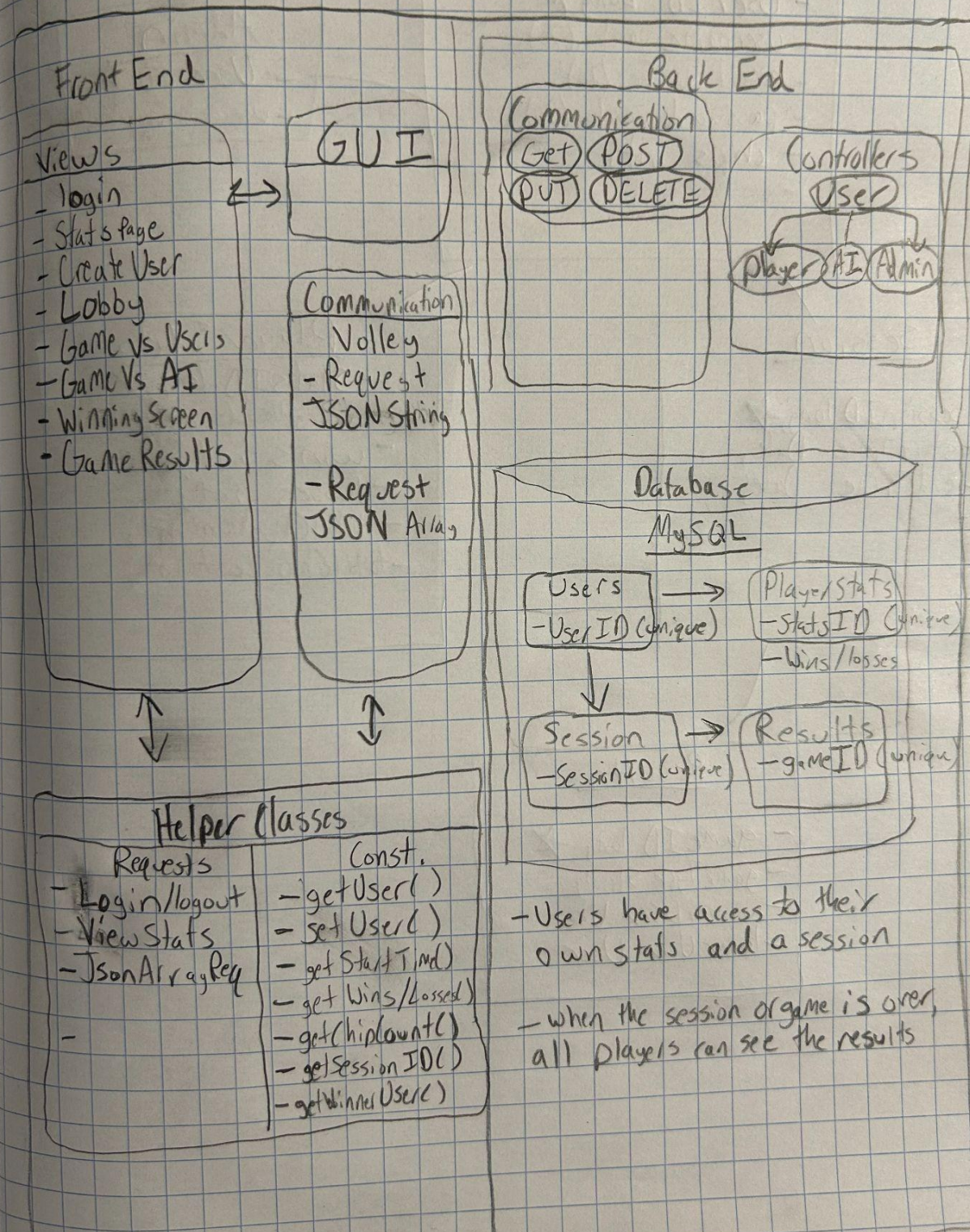
Member1 Name: Nick Pinnello 25% contribution

Member2 Name: Alex Moeller 25% contribution

Member3 Name: Matthew Bennett 25% contribution

Member4 Name: Elicia Baranowski 25% contribution

PO3 - Block Diagrams: TA-123



Backend

Communication

The backend uses mappings to update the database based on information sent to the given mappings' URLs. These include:

- Post: send information on an item to be added to the database.
- Get: request information, often with an identifier for the specific item requested from the database
- Put: send information to update a specific item in the database
- Delete: send an identifier to delete a specific item from the database

Controllers

The controllers contain the mappings for communication between frontend and the database.

These include:

- Users: logging, create new user, update user, set up user, see past hands
- Session: see current hand, raise, call, fold
- Results: record of how many wins and losses everyone has, post hands as well
- PlayerStats: wins losses, amount of raises, calls, folds, etc.

Frontend

CreateAccount (user)

- Create an account for a new player and store the following elements:
 - EditText: Username
 - EditText: password
 - EditText: email
 - EditText: login
 - Button: CreateAccount

Login (user, player, admin)

- Login to account for specific player IDs
 - EditText: Username
 - EditText: password
 - Button: Login
- Login screen allows users to have a personalized account with their stats and unique ID. Login also determines if the user is a player or an admin and gives them different privileges based on their type.

View Stats (user, player)

- Generates a page with stats of the current player, including:
 - Button: ViewStats
 - Table: PlayerStats
 - gamesPlayed, wins, losses, totalChipsWon, totalChipsLost
- The stats screen allows users to view their overall game outcomes and see their winning percentages. They can also view how many chips they have before entering another game.

Current Tables in DB (not final)

