

Group Name: Team Q

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Link to Github repository:

<https://github.com/sfsu-csc-667-fall-2024-roberts/term-project-team-q>

Link to Github project board:

<https://github.com/orgs/sfsu-csc-667-fall-2024-roberts/projects/11/views/1>

## **A brief description of what we accomplished in the term project this week:**

For this week we have completed milestone 1 where we decided that we will implement the game Bingo, identified the features of the game, and created wireframes for the game.

### **Features we will be implementing:**

#### User Authentication:

- Users will be able to create accounts, log in, and log out.
- Most pages will restrict access to authenticated users.
  - View profile (only authenticated users)
  - Chat (only authenticated users)

#### Real-Time Chat:

- Chat will be available on the home page after login and in each game room.

#### Game State:

- Game state will be stored on the server, not on the client.
- Users can reconnect and resume the game in the current state.

#### Multiple Games:

- The app will support multiple games and allow users to join several games.

#### Profile:

- When users are login they can change their nickname and icon
  - Icons will be provided for the user to pick

#### Game:

- Users will be able to play bingo
- Game will randomize cards for the user to pick
  - Users will have 30-45 secs before the game picks one for you
  - Cards will be 5x5 and have random numbers each game
- Game will randomly pick numbers every 45 secs
- User will be able to mark their card
- Users will have a bingo button that they are able to click
  - When the button is clicked the game will check if the user has achieved bingo (based on winning pattern picked)
    - If won, game is over
    - If the button is clicked too early, game will continue

- Only people who have joined a game will see the game state

Lobby:

- Users can create a their own game
  - Set the game name
  - Set the max number of players
  - Users can customize what the winning pattern
    - Ex: 5 in a row, All the card is filled
- Join games
- Can see the rules of the game

Game Over:

- User will be able to keep playing in the current game they are in
- User will be able to return to lobby

**Technologies that we will be using:**

- HTML
- CSS
- JavaScript
- Render
- Node.js
- Express.js
- Postgres

## Wireframes:







