## Milestone 3

## Team 7

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# Repository link:

https://github.com/csc667/csc667-su19-Team07

1. List of operations for each (database?) entity. Please include operation name and a brief description

PK: Primary Key FK: Foreign Key

- Users
  - Username -- setUserName -- getUserName
  - FirstName -- setUserName
  - LastName -- setLastName
  - Email -- setEmail
  - Password -- setPassword -- resetPassword
- Leaderboard GetTop()
  - Leaderboard ID -- PK
  - Rank -- updateRank -- getRank
  - Wins -- updateWins
  - Losses -- updateLoss
  - Percent -- updatePercent
- Game sessions
  - Game ID -- PK
  - Game State: Waiting, Playing, End -- updateState()
    - Waiting if only 1 player
    - Playing if inside the time limit
    - End if in excess of time then, game ends or (checkmate)king taken or (Mutual) draw
  - Player Color- Binary
  - Timestamp
- Chat(rooms)
  - Chat ID -- PK
  - Messages -- emitMessage
- Messages
  - Message ID -- PK
  - Message -- message content
  - o GameID -- FK
  - UserID -- FK
  - Timestamp
- Spectators (Optional)
  - Spectator ID -- PK
  - o gameID -- FK
  - o userID -- FK

2. List of routes and their paths with well defined request and response structures. For example:

Here is a list of the routes in our routes directory

Index.js
url -> localhost/
Response -- log-in/register screen
router.get('/')

### lobby-route.js

- \* request url -> localhost/lobby
- \* response -> this is the lobby/global chat/leaderboard/Game List
- \* router.get('/lobby') -> leaderboard, chat, will be using this route
- \* router.get('/user/:user') -> takes to user page for settings/customization/stats
- \* router.get('/:gameID') -> takes player to that game session

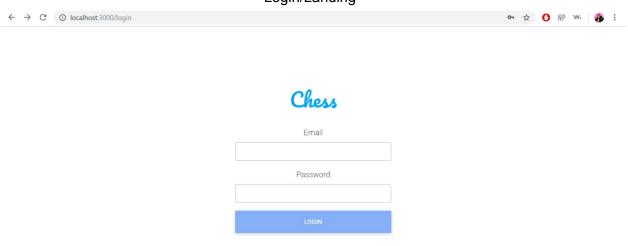
#### games-route.js

- \* request url -> localhost/games
- \* response -> this is the full list of games playable
- \* router.get('/games')
- \* router.get('/games/:gameID', ..) -> additional games will be served through this route
- \* router.get('/user/:user') -> route to users page

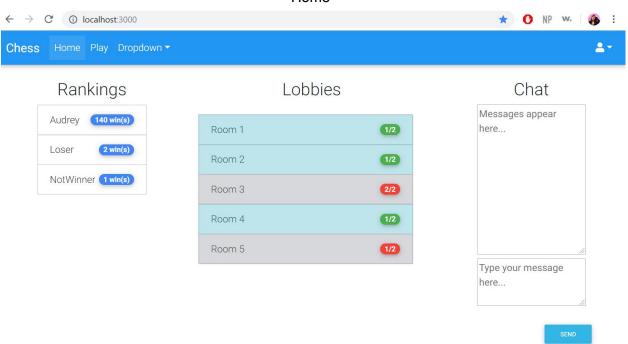
#### users-route.js

- \* request url -> localhost/users
- \* response -> this is the users page
- \* router.get('/user/:userID') -> users setting page list of games user is in/spectating
- \*router.get('/games') -> game lists
- \* router.get('/lobby') -> to lobby

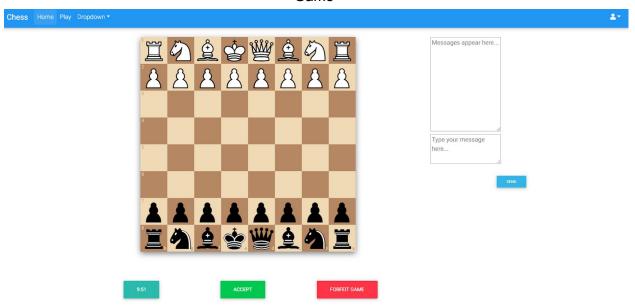
## Login/Landing



#### Home



#### Game



## Options

