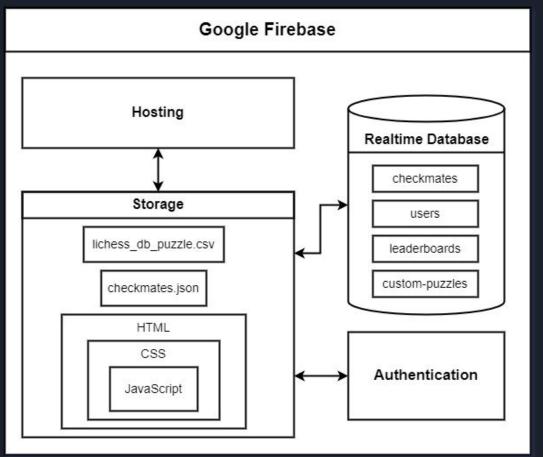
Checkmate

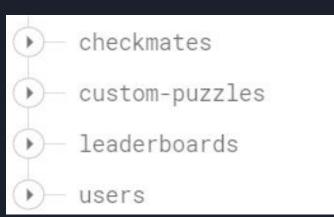
Project Design

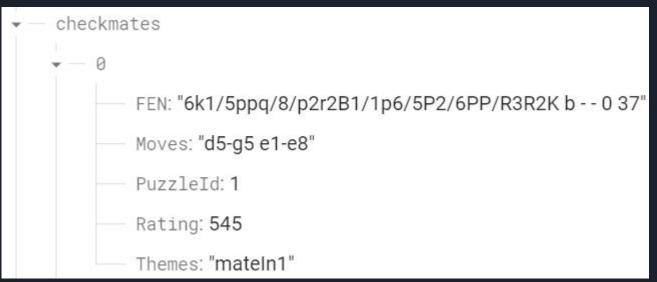
Presented by Esai Jimenez, Autumn Hale, & Trentin Barnhart

Block Diagram

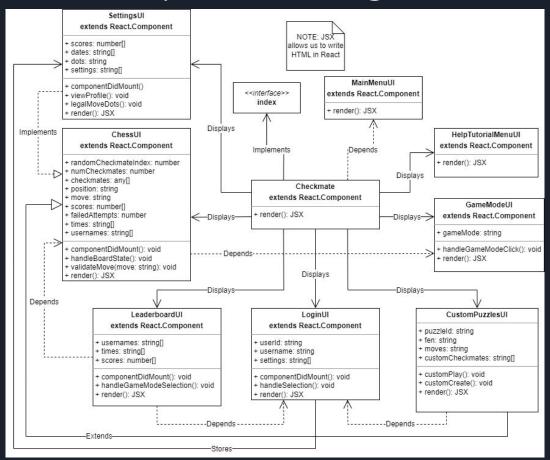


Puzzle Example

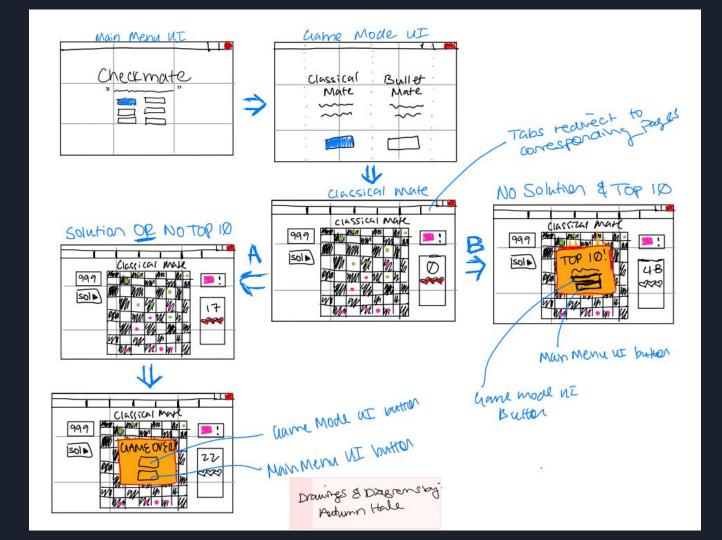


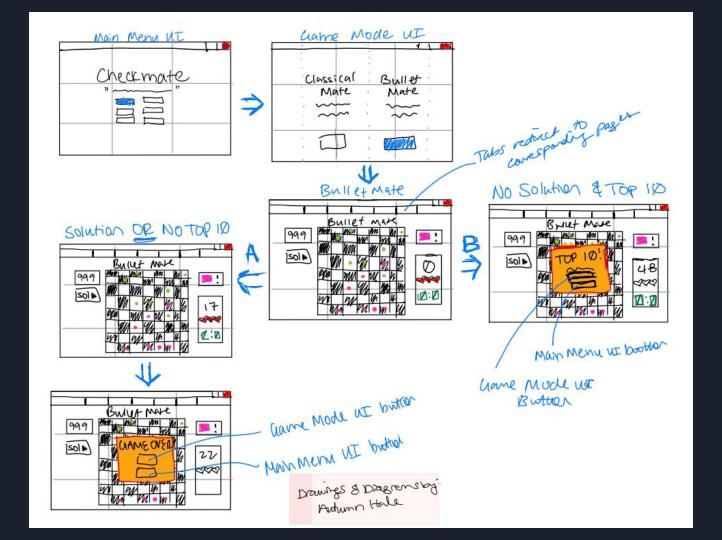


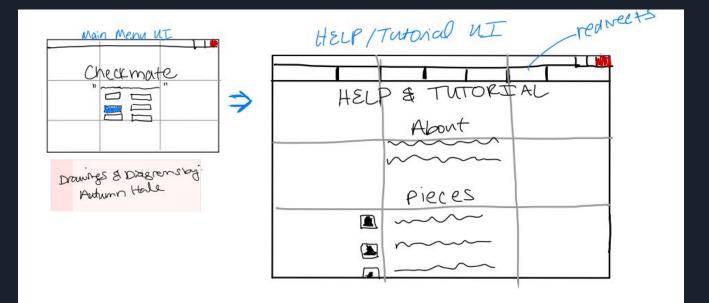
Component Diagram

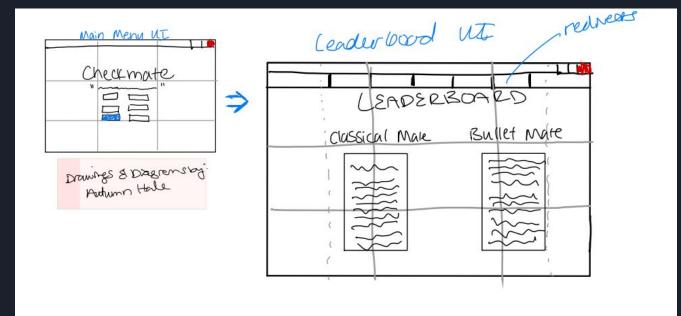


User Interface Storyboard

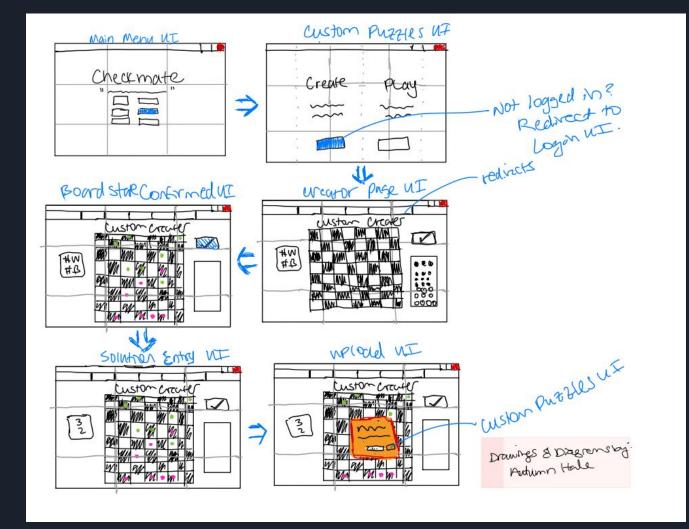


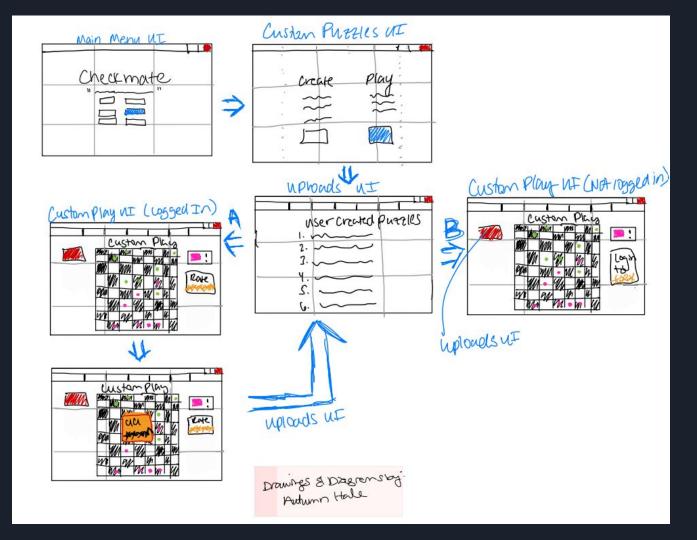


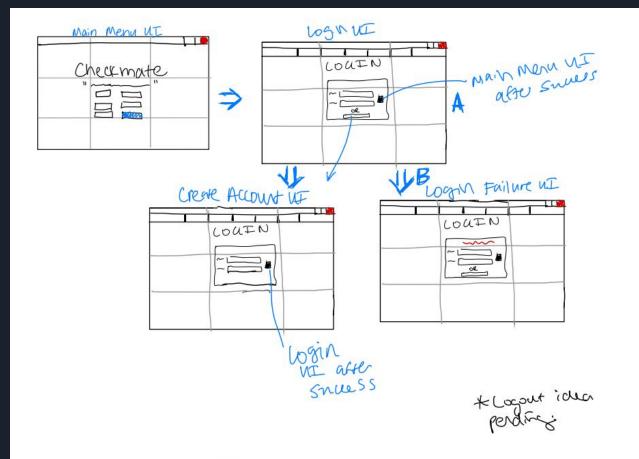












Drawings & Diagrens by.
Autumn Hale

- Retrieve board data
 - Database to client
 - FEN, moves, puzzleID, rating, and themes from index
 - These will be use to populate the board and verify moves for both regular, and custom puzzles

- Send leaderboard data
 - Client to database
 - Sends current score, username, and time if applicable
 - These are used to send a score to the leaderboard and save a user's past scores for their viewing

- Retrieve leaderboard information
 - Database to client
 - Retrieves Usernames (string), Scores (number), and times (time) if applicable from all entries in the current leaderboards
 - These are used to display the leaderboard info as well as verify if a score should be submitted to the leaderboard

- Send custom puzzle
 - Client to database
 - Sends a json with a custom puzzle's information to be stored in the database
 - This will be used for other users to play in the custom puzzles menu. (req. 7)
 - Information includes the board state (string), correct moves (string) and puzzleid (string)

- Retrieve custom puzzle list
 - Database to client
 - This will retrieve a list of custom puzzles' names (string), and rankings (number)
 - This information will be used to populate the custom puzzle selection window

ER Diagram

