

Diagrams

Component Diagram



Figure 1: Component diagram

Class Diagram

Activity Diagram

UI Mockups

REST Interfaces

| Mapping | Method | Parameter | Parameter Type | Status Code | Response | Description |
|----------------------|--------|------------------------------------|----------------|-------------|--|---|
| /game | POST | playerIDs: String[] | Body | ... | ... | initiate a new game |
| /scoreboard/{gameID} | GET | gameID: String | Query | 200404 | list of scoresno such game or no players found | retrieve a list of scores (not sure if we need this endpoint, or if we interact via players endpoint where we also get the score of a player? |
| /players | POST | playerName: String | Body | 201409 | Playerduplicate playerName | create a new player |
| /players/{gameID} | GET | gameID: String | Query | 200404 | list of usersno such game or no players found | retrieve a list of players in a game |
| /players/{playerID} | GET | userID: long | Query | 200404 | playerplayer not found | retrieve a player by ID |
| /users | POST | userName: String, password: String | Body | ... | ... | register a new user |
| /users/{userID} | GET | userID: String | Query | 200404 | useruser not found | retrieve a user by ID |

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|---------------------|--------|------------------------------------|----------------|-------------|------------------------|---------------------------------------|
| /users/{userId} | GET | userName: String | Query | 200404 | useruser not found | retrieve a user by their username |
| /login/ | POST | userName: String, password: String | Body | ... | useruser not found | login with username and password |
| /logout/ | POST | ? | Body | ? | ? | terminate user session by logging out |
| /players/{playerID} | PUT | currentScore integer | Body | 200404 | playerplayer not found | change players score during game |
| /users/{userId} | PUT | newGameScore integer | Body | 200404 | useruser not found | change users overall game score |