# Login, User Registration:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mapping | Method | Parameter | Parameter Type | Status Code | Returned Value | Descripiton |
| /register | POST | PlayerName  <String, Password> | Body | 201 | PlayerId<Long> | Register a player |
| /register | POST | PlayerName  <String, Password> | Body | 409 | Error: reason<String> | Player already exists |
| /login | PUT | PlayerName  <String, Password> | Body | 200 | - | Login a player |
| /login | PUT | PlayerName  <String, Password> | Body | 204 | - | Player is already logged in |
| /login | PUT | PlayerName  <String, Password> | Body | 401 | Error:reason<String> | Login not possible because of wrong credentials |
| /logout | PUT | playerId<long> | Query | 200 | - | Logouts player |
| /logout | PUT | playerId<long> | Query | 204 |  | User already logged out |
| /logout | PUT | playerId<long> | Query | 401 | Error:reason<String> | A player cannot logout another player exept for him or herself |

# Game-Related

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mapping | Method | Parameter | Parameter Type | Status Code | Returned Value | Descripiton |
| /games | POST |  | Body | 201 | GameId<Long> | Create a game |
| /games | POST | PlayerIds List<Long>  NumberOfBots <Long> | Body | 409 | Error: reason<String> | Zb. Because wrong Inputs like 8 Players, 20 Bots… |
| /games/{gameId} | PUT | playerId<long> | Query | 204 | - | Add user to a game |
| /games/{gameId} | PUT | playerId<long> | Query | 409 | Error:reason<String> | Zb. Game already started or full |
| /games/{gameId} | PUT | playerId<long> | Query | 404 | Error:reason<String> | Zb. The game Id or Player Id does not exist |
| /games/{gameId} | GET | playerId<long> | Query | 200 | - | Add user to a game |
| /games/{gameId} | GET | playerId<long> | Query | 404 | Error:reason<String> | Zb. The game Id or Player Id does not exist |
| /games/{gameId}  /cards | GET | - | Query | 200 | Card: Words: List<String> | Get a card with words |
| /games/{gameId}  /cards | GET | - | Query | 404 | Error:reason<String> | Zb. Card does not exist |
| /games/{gameId}/  cards/words  /{wordId} | POST | WordId<Long> | Query | 201 | Card: Words: List<String> | Set the word the active player has chosen |
| /games/{gameId}/  cards/words  /{wordId} | POST | WordId<Long> | Query | 404 | Error:reason<String> | Zb. Number <1 or 5< |
| /games/{gameId}/  clues | POST | Clue <String> | Body | 201 | ClueList: clue, id: List<String, Long> | Save Clue, give list with valid clues back |
| /games/{gameId}/  clues | POST | Clue <String> | Body | 401 | Error:reason  <String> | P. ex. Player not registered to game wants to give a clue |
| /games/{gameId}/  clues | POST | Clue <String> | Body | 409 | Error:reason  <String> | For example active player wants to give a clue |
| /games/{gameId}  /guesses | POST | Guess <String> | Body | 201 | IsGuess  Valid<Boolean> | Save, guess, check if it was correct |
| /games/{gameId}  /guesses | POST | Guess <String> | Body | 401 | Error:reason  <String> | P. ex. Player not registered to game wants to guess |
| /games/{gameId}  /guesses | POST | Guess <String> | Body | 409 | Error:reason  <String> | For example passive player wants to guess |
| /games/{gameId}  /ended | GET | gameId <Long> | Query | 200 | HasEnded <Boolean>, Winner: PlayerId <Long> | Check, if the game has ended and who has won |
| /games/{gameId}  /ended | GET | gameId <Long> | Query | 404 | Error:reason<String> | P. ex. Game does not exist |
| /games/{gameId}  /delete | DELETE | gameId <Long> | Query | 200 | - | Deleted successfully the game |
| /games/{gameId}  /delete | DELETE | gameId <Long> | Query | 409 | - | Game is still running |
| /games/{gameId}  /delete | DELETE | gameId <Long> | Query | 404 | - | This gameId does not exist |

# Player-Related

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mapping | Method | Parameter | Parameter Type | Status Code | Returned Value | Descripiton |
| /players/{playerId} | PUT | PlayerId <Long>, Player | Body | 204 | - | Update a Player |
| /players/{playerId} | PUT | PlayerId <Long>, Player | Body | 404 | Error:reason<String> | Player not Found |
| /scorebord | GET | - | Query | 200 | Players: List<Scores> | Get a list of a registered players and their scores |
| /games | GET | - | Query | 200 | Games: List<Game> | List of created games |