**Release Notes**

**Functional Features**

Prior to using this application, ensure you have either a chrome extension for sending requests, or an application like Postman installed.

* Postman can be installed here: <https://www.postman.com/downloads/>

This is an application for playing the game ‘Bulls and Cows’ using a REST server. In each game, a 4-digit number is generated where every digit is different. For each round, the user guesses a number and is told the exact and partial digit matches.

* An exact match occurs when the user guesses the correct digit in the correct position.
* A partial match occurs when the user guesses the correct digit but in the wrong position.
* Once the number is guessed (exact matches for all digits) the user wins the game.

Ensure your database is running (this is tested with XAMPP). Here are the request URLs that can be sent to play the game (after ‘http://localhost:8080/api/’):

* "begin" – POST request – Starts a game, generates an answer, and sets the correct status.
* "guess" – POST request – Make a guess by passing the guess and gameId in as JSON. Format of the JSON body that must be posted:
  + {
  + "guess": "4422",
  + "gameId": "1"
  + }
* "game" – GET request – Returns a list of all games. In-progress games do not display their answer.
* "game/{gameId}" - GET request – Returns a specific game based on ID. In-progress games do not display their answer.
* "rounds/{gameId} – GET request – Returns a list of rounds for the specified game sorted by time.

Round results are displayed as such: “e:0:p:0” where the number following e is the exact match count and the number following p is the partial match count.

Assuming you are on windows powershell, you can press ctrl-c to quit.