# Motion Bootcamp – Exam 2021

## The Table Reloaded

You will be given **a local server**. You should **create a table filled with the provided data from the server.** Your application should have the following functionality:

1. **CRUD** operations:
   * Fetch the data from the server

**METHOD: GET**

**URL:** [**http://localhost:3000/cars**](http://localhost:3000/cars)

* + Edit an entry

**METHOD: PUT**

**URL:** [**http://localhost:3000/cars**](http://localhost:3000/cars)**/:id**

* + Delete an entry

**METHOD: DELETE**

**URL:** [**http://localhost:3000/cars**](http://localhost:3000/cars)**/:id**

* + Create a new entry

**METHOD: POST**

**URL:** [**http://localhost:3000/cars**](http://localhost:3000/cars)

1. **Sorting** - You should be able **to sort the data**. When you click on the column’s title, the table should sort. Every time you click on a title the sorting criteria should toggle (If the table is sorted by year by ascending, it should become sorted by year descending and vice versa. String values should be sorted alphabetically). You can use server or client side sorting.
2. **Filtration** - You should be able **to filter the data by some criteria**. Some examples would be:
   1. Text field in each column, that allows the user to type in text and filters the table based on the input for the current column
   2. Global text field for the whole table that filters down based on all columns
   3. When you click on a table cell, the column should be filtered down to only the same contents of the cell you clicked on
   4. Others – you can use your imagination to create a user-friendly search

To run the app, execute the following commands in the command prompt **in the application’s folder**.

1. **npm install**
2. **npm start**

### NOTE:

**You should write your own HTML and CSS. The design of the table will not be evaluated!**

**After you start the server you should write your solution in the public folder. You are allowed to add all the files you want!**

**You are NOT allowed to use external libraries and components for the implementation of the table.**

For more information about the json-server, this is a link to the documentation: [https://www.npmjs.com/package/json-server#getting-started](https://www.npmjs.com/package/json-server%23getting-started)