# Running the Project:

npm start

# Code Walkthrough:

A separate folder was created for components where the there tables reside.  
The Tables are passed the data via props and are purely presentational components  
  
The App.js file contains all the data and control logic.  
  
The data is read from the JSON file in the useEffect using the fetch API  
The response is then restructured and stored into 3 separate state variables for each respective table.  
  
The data is the mapped and displayed in the table components  
  
For the Search Functionality the input from the user in the search is stored and checked if it exists in any of the existing data objects using the **.filter** method  
  
A custom modal was added which pops up when the user clicks the add button.  
  
When the user hits submit checks for length are run to ensure that no empty values are passed.  
If the check passes then the object is added to the relative state if not then an error message is displayed.