**Technical Specifications about the project**

**Programming and framework:**

HTML 5, CSS3, Javascript, JQuery, JSON, CSV

**Plugins and Other Javascript frameworks used**

Leafletjs (for implementing custom boundary map)

rangeslider.js (for implementing range sliders to use as filters)

HorizBarChart.js (for implementing horizontal bar charts)

**How to implement the application**

1.) Created the HTML 5 markup for the given design mockups

2.) Customized with Bootstrap CSS framework

3.) Created a custom CSS for styling

4.) Used leafletjs to create a custom boundary map

5.) United states SVG data fed into us-states.js along with Dataset picked up from CSV file and fed into to same JS file to act as Data model

6.) Created elements.js to handle the following functionalities

* + Create the custom map on the markup with the use of leafletjs functions
  + Plot the data points on the map using longitude and latitude data, so that when user clicks on it Popup is displayed
  + Display pop-up to show character characteristics and powers, with its basic details and image.
  + Implemented various delegates for handling actions
  + Process the data for making sliders functional so that appropriate data comes up
  + Implemented Filter functionality using filters and checkboxes.
  + Array is updated whenever values of 8 parameters are changed. The size of circle and the color of circles are dynamically changed by calling reset values from array.