

Brief:

Here, we want to implement Flight search functionality. You have a form, where user can input and search for the flights. Then user will be able to see the search results, user can refine the search using a slider for prices.

Problem statement:

- Create a flight JSON data object for your all flights available to make the search happen.
- Take the User input from the search form and perform a search on the flight JSON data and display the valid search results in the results section.
- There are two tabs for return and one way search form, the return date should be visible on basis of the tab selected.
- Slider should refine the search results based on the selected price range.
- Feel free to use any JS frameworks (like Angular or ReactJS) or Core JS to build this application.
- Test your code with some unit tests.

What are we looking for:

- Code structure and organization
- Simplicity and ease of understanding the code
- Understanding of JavaScript, Unit Test, HTML, JSON and CSS

Brownie Points:

- Make the page Responsive i.e. device friendly (ipad, iphone, android) and compatible with all modern browsers.
- Creativity in terms of look and feel of the page. (No CSS frameworks like Bootstrap, Foundation etc)

Wireframe for assignment:

Flight Search Engine

<div style="margin-bottom: 5px;"> <input type="button" value="One way"/> <input checked="" type="button" value="Return"/> </div> <div style="margin-bottom: 5px;"> <input style="width: 90%;" type="text" value="Enter Origin City"/> </div> <div style="margin-bottom: 5px;"> <input style="width: 90%;" type="text" value="Enter Destination City"/> </div> <div style="margin-bottom: 5px;"> <input style="width: 90%;" type="text" value="Departure date"/> </div> <div style="margin-bottom: 5px;"> <input style="width: 90%;" type="text" value="Return date"/> </div> <div style="margin-bottom: 5px;"> <input style="width: 90%;" type="text" value="Passengers"/> </div> <div style="text-align: center;"> <input type="button" value="Search"/> </div> <div style="margin-top: 10px;"> <p>Refine flight search</p> <div style="display: flex; justify-content: space-between; align-items: center;"> 0 10000 </div> </div>	<div style="text-align: center; font-size: 1.2em; margin-bottom: 10px;">Pune > Delhi > Pune</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-weight: bold; font-size: 1.5em;">Rs. 9.500.00</p> <p>AI-202 PNQ > DEL</p> <p>Depart: 10.00 AM Arrive: 12.00 PM</p> </div> <div style="width: 45%;"> <p>AI-203 DEL > PNQ</p> <p>Depart: 08.00 PM Arrive: 11.00 PM</p> </div> <div style="width: 10%; text-align: center;"> <input type="button" value="Book this flight"/> </div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-weight: bold; font-size: 1.5em;">Rs. 9.500.00</p> <p>AI-202 PNQ > DEL</p> <p>Depart: 10.00 AM Arrive: 12.00 PM</p> </div> <div style="width: 45%;"> <p>AI-203 DEL > PNQ</p> <p>Depart: 08.00 PM Arrive: 11.00 PM</p> </div> <div style="width: 10%; text-align: center;"> <input type="button" value="Book this flight"/> </div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="font-weight: bold; font-size: 1.5em;">Rs. 9.500.00</p> <p>AI-202 PNQ > DEL</p> <p>Depart: 10.00 AM Arrive: 12.00 PM</p> </div> <div style="width: 45%;"> <p>AI-203 DEL > PNQ</p> <p>Depart: 08.00 PM Arrive: 11.00 PM</p> </div> <div style="width: 10%; text-align: center;"> <input type="button" value="Book this flight"/> </div> </div>
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