UI Developer Exercise

The Scenario

Your client is an airline and would like to implement a new results page for their flight search functionality. After a number of iterations spent sketching, prototyping and user testing a variety of options, they have produced a wireframe. The search results page includes a form where the user can search for the flights. Then the user will be able to see the search results, and refine the search using a slider for prices.

The Assignment

* 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.
* The slider should refine the search results based on the selected price range.

Assessment Criteria

You are expected to provide a fully functioning web page (JavaScript, HTML, CSS), you will be assessed on the follow criteria:

* Your ability to write production quality code
* Cross browser compatibility
* Code structure, organisation  and readability
* Your technical design
* Your understanding of HTML, CSS and JavaScript
* Test automation and coverage
* Accessibility

Remember, you may use libraries but you’ll be assessed on on the quality of code that YOU write.

Extension: Make the flight list selectable. Once selected go to new page, show the summary and price.

