Hello Mam/Sir ,

Thanks for offering me the prospect to participate in the Sky Cinema Coding Test Round.

I hereby wish to submit my test. Please find the attached folder that contains the working solution of the stated problem.

Following are the client-side tools that have been utilized while completing the test.

1. Bootstrap (for designing the structure of the html page)

Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites. I have included the bootstrap source files in the bootstrap folder of the solution.

1. jQuery (for capturing the client-side events and making the web page functional)

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

HTML/DOM manipulation

CSS manipulation

HTML event methods

Effects and animations

AJAX

Utilities

1. Custom Scripts (to define the custom logic on user events)

In addition to the predefined scripting language like jQuery I have also made the custom script file with the name of “myMoodSlider.js” and it is placed under scripts folder of the solution.

There are events defined in this JavaScript file like on the change of the slider value display the corresponding movies in the slots below, to read the XML (function name: readXML) and display the corresponding movie names and images in the slots below, to upload the XML file that will be served as an input file. Range Slider is used as a slider component with the min Value of 0 and Max value of 10 and user can choose the mood accordingly.

I hope that I have been successful to fulfill your requirement and provide you with an efficient solution. I am also attaching the sample input data XML file with the name of “movieList” .

Note: The web solution is best viewed with Google Chrome.