# Assignment:

Javascript, Jquery, React and Redux

# Develop:

Custom SPA with two main features (components):

1. Video Player Component
   1. Player Component
   2. Controls Component
   3. Playlist Component
2. Add New Video Component

# Description:

1. It is a SPA. User can navigate between SPA using Routes.
2. Video Player Component has three child components. The data will be passed from parent to child component and from child to parent component using states and props respectively.
3. Use bootstrap to add responsiveness
4. All video data is received in React app by making calls to fake REST API created using JSON server. The sample of JSON file is given below. Pl. feel free to modify the structure of JSON file as per business logic in react app.
5. If required, create custom images (.png) for the buttons using:
   1. Microsoft Paint
   2. <https://pixlr.com/editor/>
   3. <https://www.getpaint.net/>
6. Feel free to customize the layout further to showcase your creativity
7. Feel free to add more features to extend the functionality of the responsive custom video player.
8. Feel free to use the color combinations as per your creativity
9. You may prefer to use Bootstrap4 glyphicons in place of icons/buttons in the custom video player.
10. Push the code changes to the internal GIT repository after every feature/step development. Each step is given in “UI Guidelines” document.

# UI Guidelines:

1. In attached document
2. 
3. After you re done with assignment, complete the “evaluation check” sheet in the attached document.
   1. Status of each activity can be “Done” OR “Not Done”
   2. Feel free to add comments/remark in case you want to in “evaluation check” sheet:
      1. E.g.
         1. Assignment was good
         2. Found difficult to implement this feature
         3. Feature was difficult than expected
   3. Specify if you have implemented new feature other than documented.

# JSON File sample:

{

"youtube":[

{

"title":"Sadhguru and Physics",

"url":"https://www.youtube.com/watch?v=pAluQXDTM9g",

"status":"added",

"approved":1,

"likes":22,

"unlike":4,

"currentStatus":"playing",

"exitplayprogress":30

},

{

"title":"Angular 6 Tutorial",

"url":"https://www.youtube.com/watch?v=BoxuTR4ruUs",

"status":"added",

"approved":0,

"likes":0,

"unlike":0,

"currentStatus":"paused",

"exitplayprogress":0

},

{

"title":"Nikon P900 83X Zoom",

"url":"https://www.youtube.com/watch?v=m7kdx9b\_Jvk",

"status":"added",

"approved":1,

"likes":10,

"unlike":1,

"currentStatus":"paused",

"exitplayprogress":80

},

{

"title":"Understanding Javascript",

"url":"https://www.youtube.com/watch?v=Bv\_5Zv5c-Ts",

"status":"edited",

"approved":0,

"likes":25,

"unlike":5,

"currentStatus":"stopped",

"exitplayprogress":80

}

]

}

# Challenge – for the ones who love code adventures:

1. The given challenge is optional.
   1. As a challenge 1, you may further extend the custom player to show subtitles.
   2. As a challenge 2, each video in the playlist may start the playback from the same time where user left it previously.
2. Convert the same app to use redux state management and workflow!