COMP 3133 – Lab Test – 2 (06%)

Submission Date and Time: 03rd April 2023, 22:00 PM (Week – 13)

Create Angular Application to create following features:

1) Create angular app name **studentid-lab-test2-comp3133** and create GitHub repository to commit all your code. **[10 points]**
2) Host application on Cyclic/Vercel, etc. **[10 points]**
3) Create component having name **missionlist** component to display list of all SpaceX launces using given REST API endpoint. **[20 points]**

   https://api.spacexdata.com/v3/launches

   Display following fields for each mission (**See sample screen**)

   - mission_name
   - launch_year
   - details
   - mission_patch_small

4) Implement the search or filter by year of launch on mission list component name **missionfilter**. **[10 points]** (**See sample screen)**

   https://api.spacexdata.com/v3/launches?launch_year={{year}}

5) Create component having name **missiondetails** which will display details of selected mission from previous **missionlist** page. (**See sample screen) [20 points]**

   https://api.spacexdata.com/v3/launches/{{flight_number}}

   Hint: Pass data to next component using **@Input()**
6) Create service to fetch data for given REST API. (**See sample screen) [10 points]**

7) Create interface/class to maintain structure of data fetch from API. **[10 points]**
8) Use Angular Material to design application. **[10 points]**

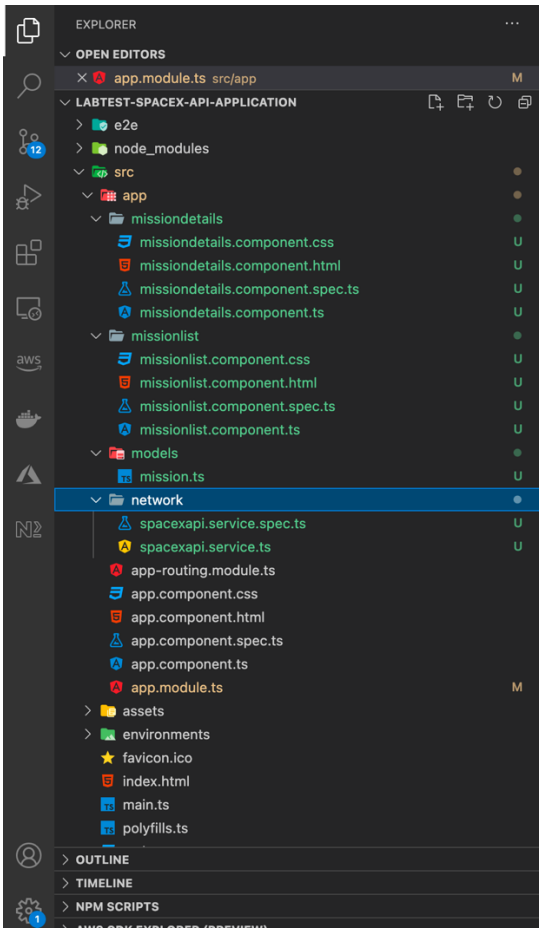
References for SpaceX API

- https://docs.spacexdata.com/#bc65ba60-decf-4289-bb04-4ca9df01b9c1

Submission:

1) Upload ZIP file of you source code to black board on or before deadline.
2) Provide GitHub project list in comment while submitting your code.
3) Take screenshots of both pages application to show your work evidence and upload to black board.
4) Submit Cyclic or Vercel hosting link.

Folder Structure of application



Sample Screen

Figure 1 Mission List

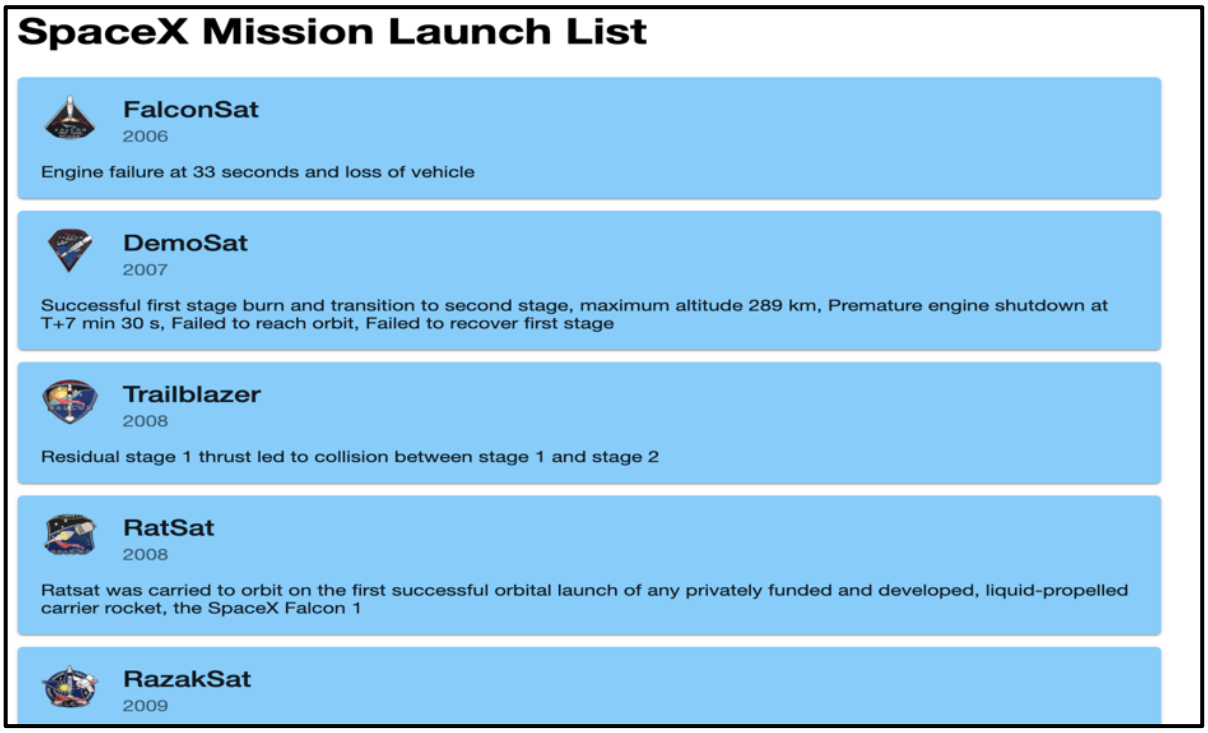


Figure 2 Mission filter

Figure 3 Mission Details