

Problem Statement:

Develop a front-end application which would help users list and browse all launches by SpaceX program.

Expectations and Assumptions:

- The pages created by you should look similar to the screens attached below.
- Please ignore the fonts for now and continue using the browser defaults.

- **Important API information that would help you to fetch the data**

API end point for the first-time page load without any Filters:	API end point with Filters applied:
https://api.spaceXdata.com/v3/launches?limit=100	Launch Success Filter: https://api.spaceXdata.com/v3/launches?limit=100&launch_success=true Launch & Land Filter: https://api.spaceXdata.com/v3/launches?limit=100&launch_success=true&land_success=true All: https://api.spaceXdata.com/v3/launches?limit=100&launch_success=true&land_success=true&launch_year=2014

- Functionalities

1. User should be able to Filter the results with help of provided Filter.
 - Launch year filter should be there.
 - Applying on launch year filter should reflect the below changes:
 - Selected filter should change to selected state as shown in the visual comp.
 - Applied filter should change the URL and update the Page with latest records without refreshing the page.
 - If the page is refreshed with the applied filter in the URL – the resulting page should be server side rendered.
2. On the tile, you can show image, title and launch year.

- Follow all the best practices like SEO friendly page, it should be accessible for disabled users as well and proper semantics tags should be used wherever applicable.
- Follow the ES6 concepts and syntax, with best practices like reusability, and design patterns you learned.
- Please follow the mobile first approach for your CSS strategy and use SASS pre-processor with best practices like reusability.

Media Queries to be used are listed as follows:

Responsive Behavior: -

- Implementation should follow Mobile first design approach
- Mobile View: Page should have only one Column until 700 px. We have provided the Visual designs for Mobile screen.
- Tablet View: Page should have 2 columns between 700 and 1024 px. Design is provided for Desktop tile and that should be followed for this viewport.
- Desktop View: Page should have 4 columns between 1024 and 1440 px. Beyond 1440px viewport, the content will be centered align with a max width of 1440.

Note: Time given for assignment is 2 hours.

SpaceX Launch Programs

Filters

Launch Year

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020



FalconSat #1

Mission Ids:

• {list Mission Ids}

Launch Year: 2006



DemoSat #2

Mission Ids:

• {list Mission Ids}

Launch Year: {launch_year}

Developed by:
{developer name}

SpaceX Launch Programs

Filters

Launch Year

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020



FalconSat #1

Mission Ids:

- {list Mission Ids}

Launch Year: 2006



DemoSat #2

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



Trailblazer #3

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



RatSat #4

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



{mission_name} #
{flight_number}

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



{mission_name} #
{flight_number}

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



{mission_name} #
{flight_number}

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}



{mission_name} #
{flight_number}

Mission Ids:

- {list Mission Ids}

Launch Year: {launch_year}

Developed by: {developer name}