**PS - XT Coding Assignment**

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

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

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| --- | --- |
| 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> |

## **Assignment Requirements:**

* Functionalities

1. Populate the data using the API as per the layout provided.
   * + The filters should get corresponding data using the API’s – as sampled above and display in the tile.

* Responsive Design and other UI elements.
  1. The responsive view detailing is as below
     + **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.
* On git - elaborate your approach and stack details in the Readme file.

**Submission**

1. Create a GitHub repo with all best practices to share the code.
2. Share the link to the Github Repo and detail the setup instructions in the readme file.
3. Preference is also to deploy the code to your preferred hosting platform, eg: - Heroku, and share the deployed URL of the app.

**Visual Designs for the assignment on the next 2 pages**

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| **MOBILE VIEW** | A screenshot of a cell phone  Description automatically generated |

**DESKTOP VIEW**

A screenshot of a cell phone

Description automatically generated