**PS - XT Coding Assignment**

**Problem statement:** *Develop a react native which would help users list and browse all launches by SpaceX program.*

**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](https://api.spacexdata.com/v3/launches?limit=100) | **Launch Success Filter:** [https://api.spaceXdata.com/v3/launches?limit=100&launch\_success=true](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](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](https://api.spacexdata.com/v3/launches?limit=100&launch_success=true&land_success=true&launch_year=2014) |

## **Assignment Requirements:**

## **“Client Side”**

* Functionalities
  1. User should be able to Filter the results with help of provided Filters.
     + Filter options are hard coded with the values shown in the visual comp below.
     + Applying any Filter should reflect the below changes:
       - Selected filter should change to selected state as shown in the visual comp (and should mimic the toggle behavior).
       - Applied filters should change the URL and update the Page with latest records without refreshing the page.
       - add filters section in sidebar or a popup and add button to open that section
* Responsive Design and other UI elements.
  1. Page should visually match with the provided designs at the end of this file.
  2. Responsive Behavior – Expectation is to do a custom media query implementation and not use bootstrap or similar responsive framework:
     + **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

## **“Client Side”**

**- 1) Create react native application using (react native cli)**

**2) The application should be able to build (apk) successfully for android without errors**

**Submission**

1. Create a GitHub repo with all best practices to share the code.
2. ***Share the link to the deployed URL of the app and the Github Repo.***

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