<u>The Rocket Launch App Home Challenge</u>

<u>General guidelines:</u>
- Feel free to use any open-source 3rd party libraries you like (it's encouraged)
- If you take code snippets from external sources (e.g. stackoverflow), please provide a reference of the snippet source
- Get extra points for adding tests
- Pay extra attention to performance and smoothness of the application
- When done, create a zip archive and email it to us
- Please do not publish the code under public repo

We'd like to build an app for browsing rockets launches from around the world. so first familiarize yourself with the launchlibrary API - https://launchlibrary.net/docs/1.4/api.html No need to use any SDK or authentication.

1. Let's start by creating a new mobile app project with 2 tabs.
   - First tab will list all the rocket launches in the human history in a descending order, starting from today
   - Feel free to design the Ul as you see wish
   - Make sure you provide a decent UX (e.g. progress indicators) if the user reaches the list bottom before new data has been fetched
   - Entries of the list should display
       - Launch name
       - Thumbnail (rocket/launch image or placeholder)
       - Date of the launch
       - Country indicator
       - Success indicator (failed/succeeded)
   - When clicking on an entry, open a WebView with wiki page from infoURLs field (if missing then mission's/rocket's wiki page)

2. We'd like to allow our users to save their favorite launches.
   - For each entry in the list add a small button that will enable the user to save/remove the specific rocket launch to his favorites list. The button should Indicate If the launch is currently a favorite.
   - Same indicator should be displayed in the WebView screen
   - Name the second tab 'Favorites' and display a list of all rockets launches marked as favorites
   - Clicking on an entry in the favorites list should open the same launch WebView screen as in the first tab.

3. Finally, we'd like to add filtering by name option. Add a search field to the top of the launches list that will allow the user to type in text that will apply the filter.
   - The filter should match search terms that have at least 3 letters and can be found anywhere within the launch name. For example: "con" should match launch with the name "Falcon 1"

Good Luck :)