Jibble group

iOS Engineer Assessment

Instructions

1. Create an application that presents information about successful SpaceX launches.
2. On the first screen of the application, there should be a preset list of successful and upcoming rocket launches for the last 3 years .
3. Ensure data is filtered to show data of successful and upcoming launches only for 3 years.
4. For each launch show launch number, details, date and an indicator for upcoming launches.
5. When tapping on any launch, present details about the rocket launched which includes: rocket name, image, description and a link to a Wikipedia article.

Use the following API endpoints:
- Launches can be loaded using this API endpoint : GET https://api.spacexdata.com/v4/launches
- API for rockets: GET https://api.spacexdata.com/v4/rockets/:id
- See more details about SpaceX API: https://github.com/r-spacex/SpaceX-API

Requirements

1. App must be written using Swift
2. App must be built using MVVM architecture.
3. Data binding between View and ViewModel must be reactive (RxSwift).
4. Data load from API must be implemented in separate service classes. (Tip: Use any DI framework or just constructor DI if needed.)
5. App logic must be covered with unit tests.
6. Use storyboard and auto layout in the UI creation process. Polishing the UI with a good design is a plus.