Release note

I finish all the 3 levels for the assignment.
The assignment is available to be downloaded on
https://github.com/stephen1706/astro

Library used :
- RxJava 2
- RxAndroid
- RxLifecycle
- Retrofit
- Gson
- Date Time Picker
- Facebook SDK

This apps is built on RxJava 2 library to help controlling the flow and multithreading process easier. On top of it, I use RxLifecycle to prevent any leaking process when the activity is destroyed before a background process is finished. For local persistent, I use Realm to save user's favourite channel. This persistent is used as a fallback when user has no Internet connection when trying to fetch the favourite channel list from the backend. And I use the Facebook SDK to enable user to login using their Facebook account. For the backend itself, I use PHP and MySQL to store user's favourite channel list. To authenticate user, the apps need to pass an access token that was given from backend when user logged in. This access token is saved on shared preference. When user log out, I wiped all the data from shared preference and Realm database.

Feature:
- Channel list with sorting ability by channel name, channel number, and user's favourite channel
- TV Guide that was obtain from the Astro API
- The TV Guide is responsive to device timezone
- The TV Guide uses a pagination to make the loading time faster
- Integrate Facebook SDK to be used for user login
- Save user's favourite channel at cloud based service and the ability to add and delete favourite channel
- Clear all local persistent data on log out