

For this project, I created a small Android app that can retrieve Twitter feeds based on user input. The first screen (Figure 1) is the home screen of this app. From Figure 1, it can be seen there is a field for inputting search word (#hashtag) and there is search button. After pressing search button, the app will communicate with Twitter and send query to Twitter. Then the app will retrieve related feeds and will display them in the second screen (Fig. 2).

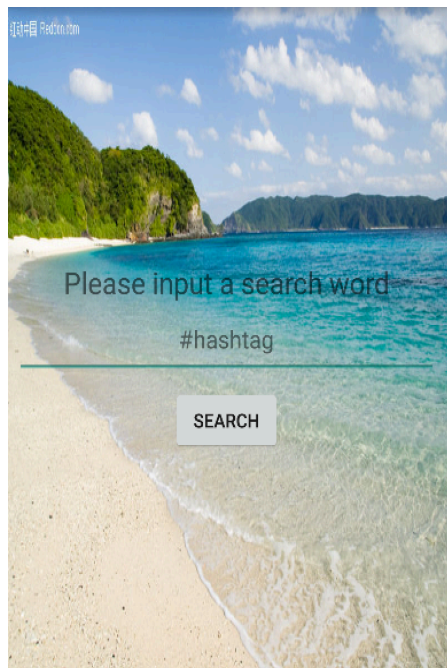


Figure1 Home screen/first screen of the app

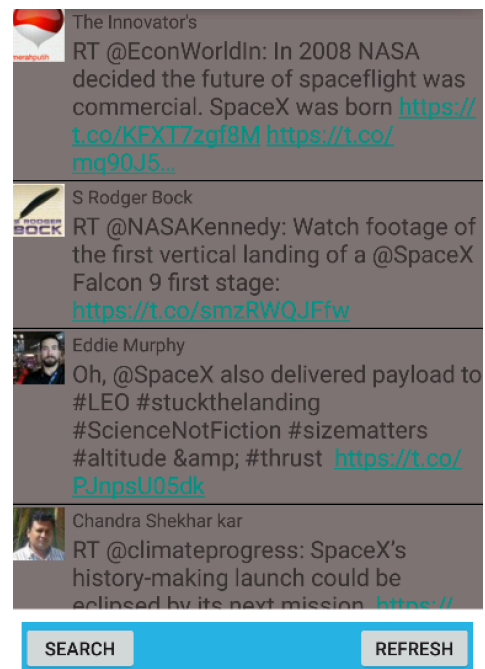


Figure 2 The second screen of the app
(search key word: SpaceX)

It can be seen there are 2 buttons in the bottom part of the second screen. Refresh button is used to pull the latest Twitter feeds and search button is used to let us back to the home screen to search new Twitter messages. It should be noted that usually there is a time interval between two pulls. For example, user searches Christmas first, if user immediately refreshes the screen, the user will not get updated Twitter feeds. After 10 seconds, if the user refreshes the screen again, the user will get updated Twitter feeds. Depending on the popularity of a specific search word, time interval is different. Usually, user needs to wait for around 10 seconds to get updated Twitter feeds. If a user searches an uncommon phrase, he/she may need to wait a little bit longer to get the updated Twitter feeds.

For this app, according to the requirement, I added customer animations for screen transitions which are slide in and slide out effects. Landscape support is also added.

The code was tested on a virtual Google Nexus 5 machine on Genymotion.