

## CMSC5736 Project

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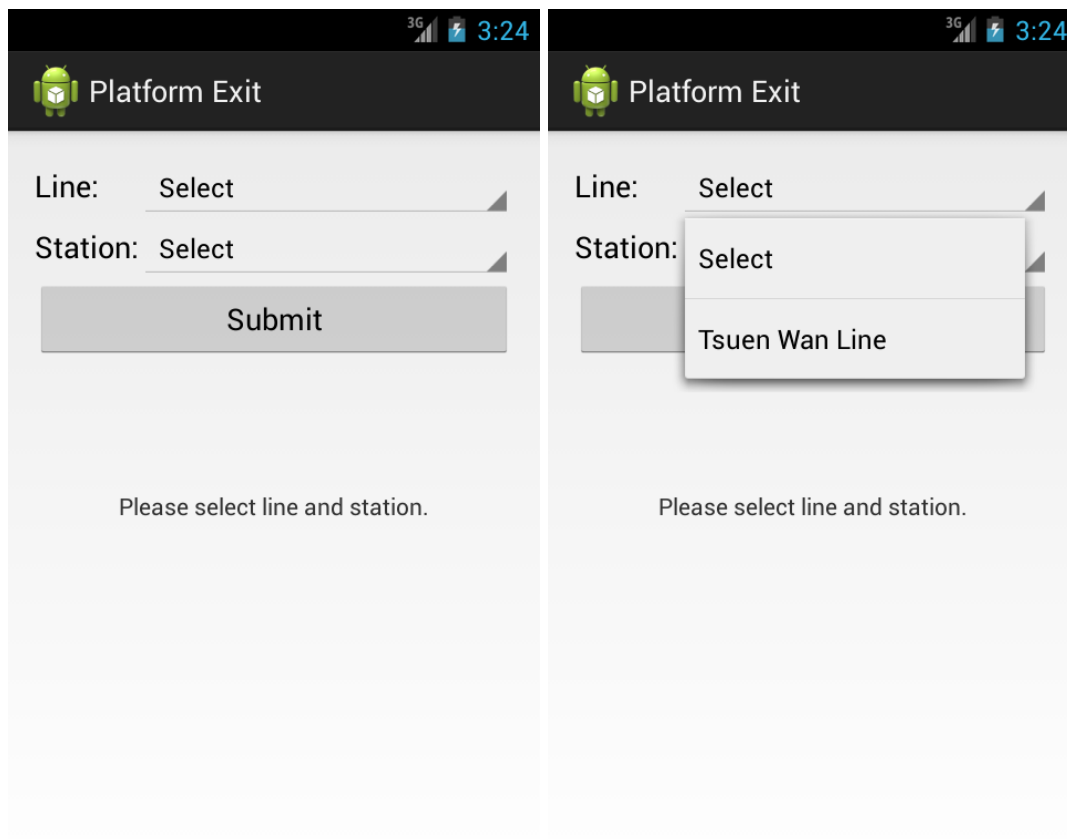
Name: LAM Chung Sing

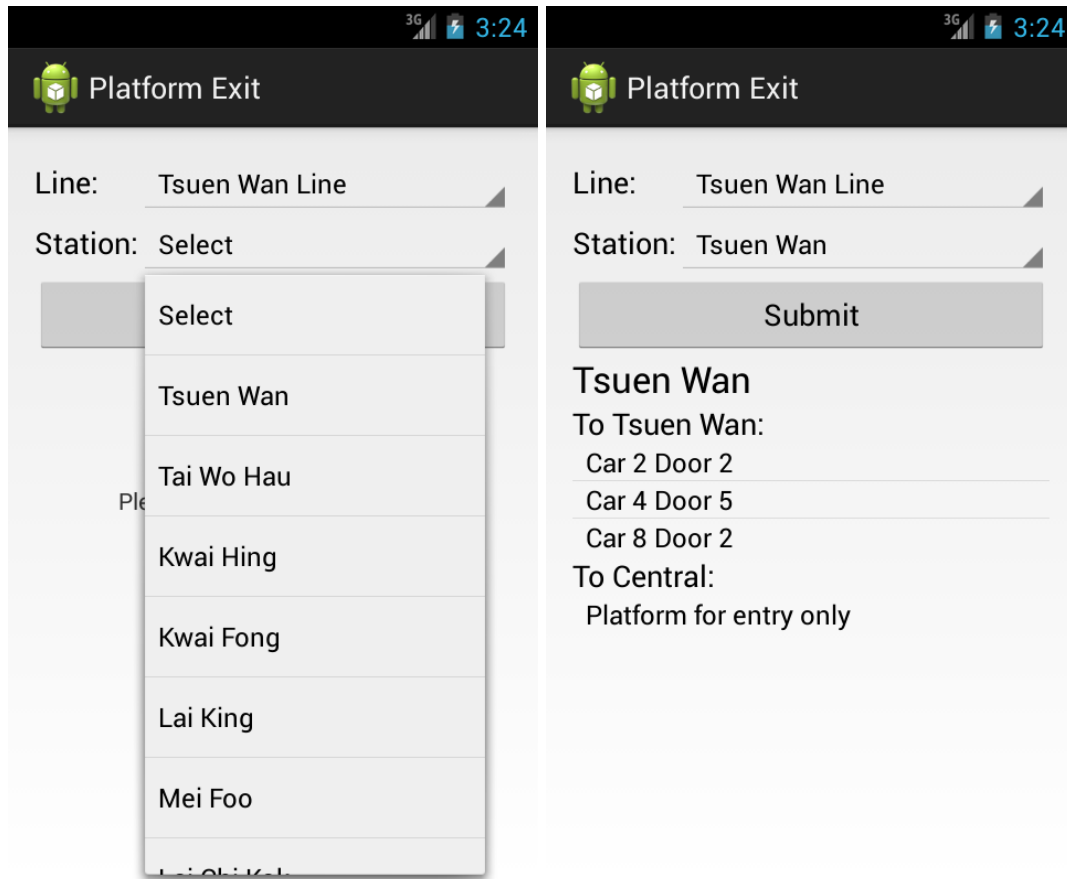
### Description

The App is called Platform Exit, which is written for searching the nearest exit (typically escalator and stairs) from the platform after getting off MTR trains. It can help to avoid the crowd and leave as quick as possible especially when in hurry. User can use the App while waiting for the train, and walk to the correct position before boarding, and save the time from leaving the platform.

### Usage

User can select the line (e.g. Tsuen Wan Line) and station (e.g. Tsuen Wan Station) and click submit, the result will be shown. The following screenshots show the usage.





In the project, the information is for demonstration only, and it is not real, not all lines and stations are included.

### **Limitation and further development**

Some escalators are closed for energy saving, the app should provide the schedule of availability for these escalators.

In peak hours, some escalators are switched the moving direction for passenger demand, the app should provide these information.

It is also possible to determine user location (by cellular or GPS) and find the nearest station as start, and let user input the destination. The app then can show all possible interchange stations and provide the nearest platform exits if necessary.

### **Remarks**

The project is developed for Android using 4.2.2 SDK, no 3rd party libraries and projects are used.