Class: Java smartphone Mini 2

Assignment 4 SMS messenger with GEO information

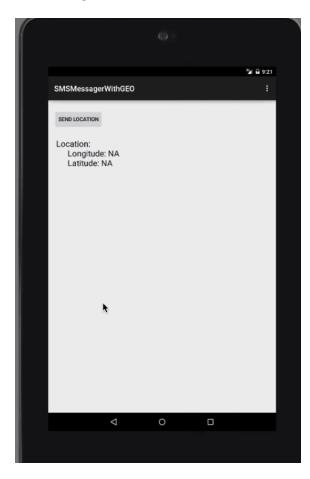
Author: Wei-Lin Tsai weilints@andrew.cmu.edu

AndrewID: weilints

Demo Link

https://www.youtube.com/watch?v=-dPXDL2URQQ

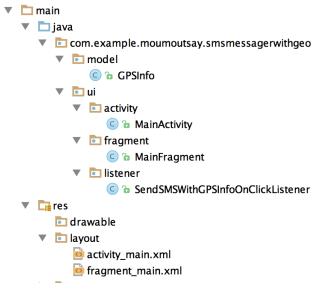
Main Page



Whenever user click "SEND LOCATION", the application will try to get current location. If the location is get, it will sent a SMS to the device itself.

Please note as Demo shows, the location information is set by emulator monitor. Besides, the telephone number is get using android API. As a result, the SMS will send to device itself.

Architecture



The key is GPSInfo and SendSMSWithGPSInfoOnClickListener. The GPSInfo handle core functions of location retrieval. The SendSMSWithGPSInfoOnClickListener has a listener. When user click the button, it will get GPS location from GPSInfo, get the phone number of current device and then send a SMS.

Exception Handling

Because the flow is simple. Whenever the exception occurs, it will add log to logcate and pop out a Toast telling the user check the setting and try it again. For instance, in GPSInfo

And in SendSMSWithGPSInfoOnClickListener