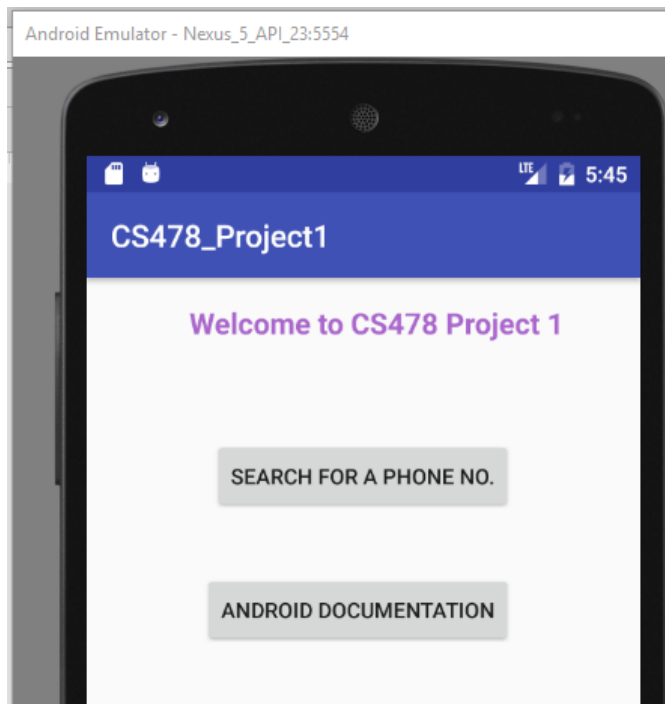
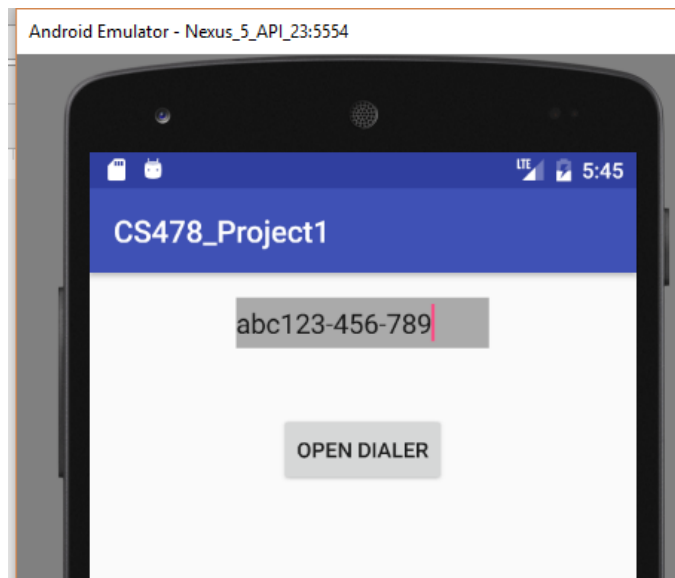


CS 478 Project 1 Write-Up

The main app starts with two buttons:



- **Search a Phone No.**
 - On clicking the button, an explicit intent is used to open a child activity that has a text field and a button on it.



- If the text field has any phone number embedded in it (in proper phone number format) that phone number is extracted on the click of the button and the dialer opens up with the phone number found in the text field.
- If no phone number is found, a message is shown on the button click that no valid phone number found.
- I have used a regular expression to match the contents of the text to a valid phone number.
(Source: <http://stackoverflow.com/questions/17309001/how-can-i-validate-a-phone-number-using-a-regular-expression>)

- **Android Documentation**

- On clicking this button, an implicit intent opens up the online Android documentation page in a browser window.

On exiting the child activity, a result message is sent to the main activity which shows the message whether a valid phone number was found in the string or not.

