



ANDROID

DEV

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Yet-Another-Messaging-App (YAMA)

Android apps do not exist in a vacuum: they sit alongside a variety of other apps and functionality provided by the phone For this project, I am building

A messaging app that will

allow the user to specify a message that is automatically sent back on receipt of a message.



What are the User Stories?

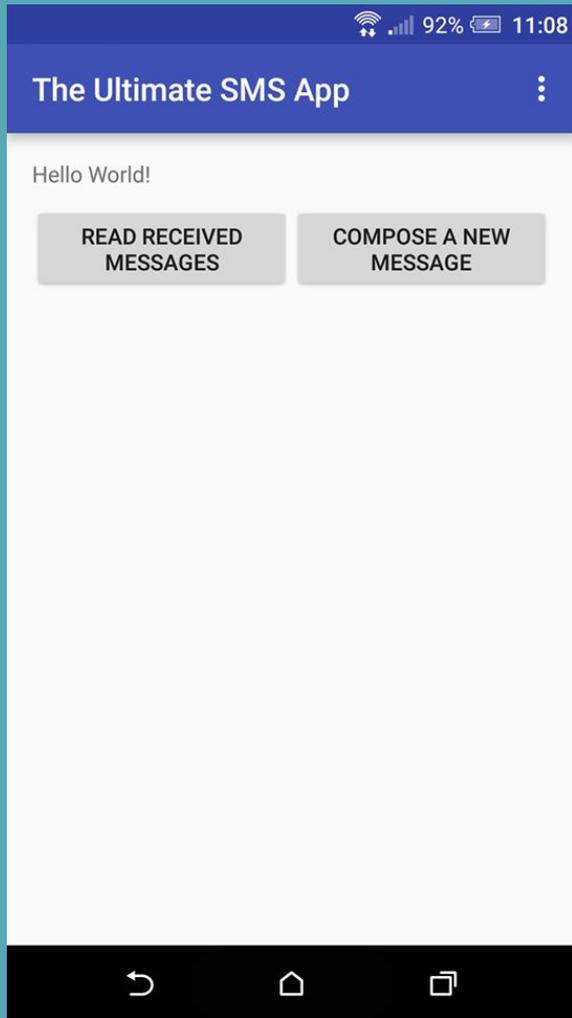
The user stories of the YAMA app are:

As a user, I want to...

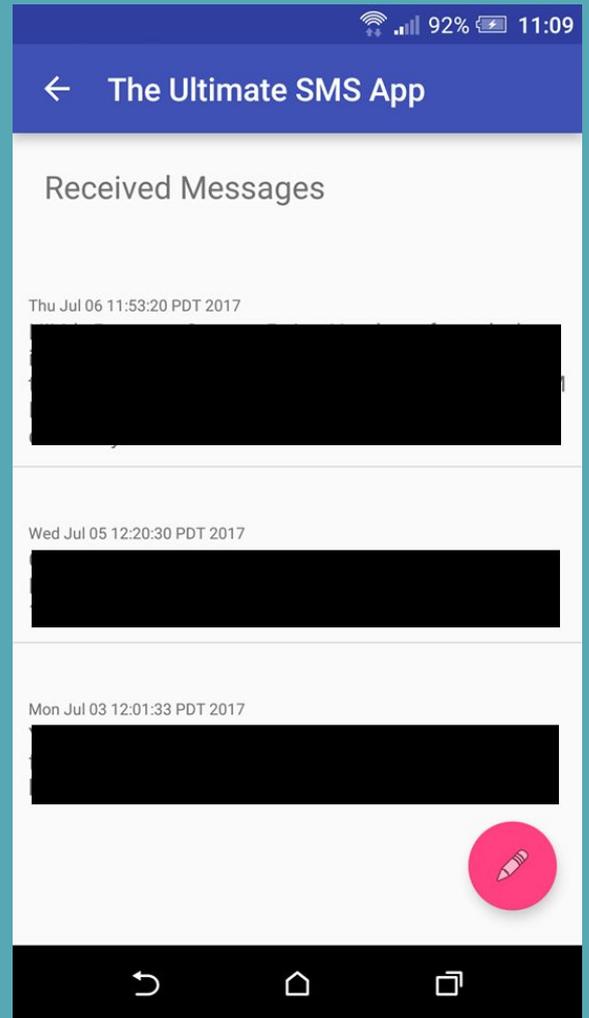
- Be able to send a text message and send a message to one of my contacts
- Be notified when I receive a text message
- View a list of messages I have received
- Be able to automatically send a message in reply to one received.
- Customize the automatic reply in the application settings
- Interact with my application using Android-specific UI widgets

Working with SMS

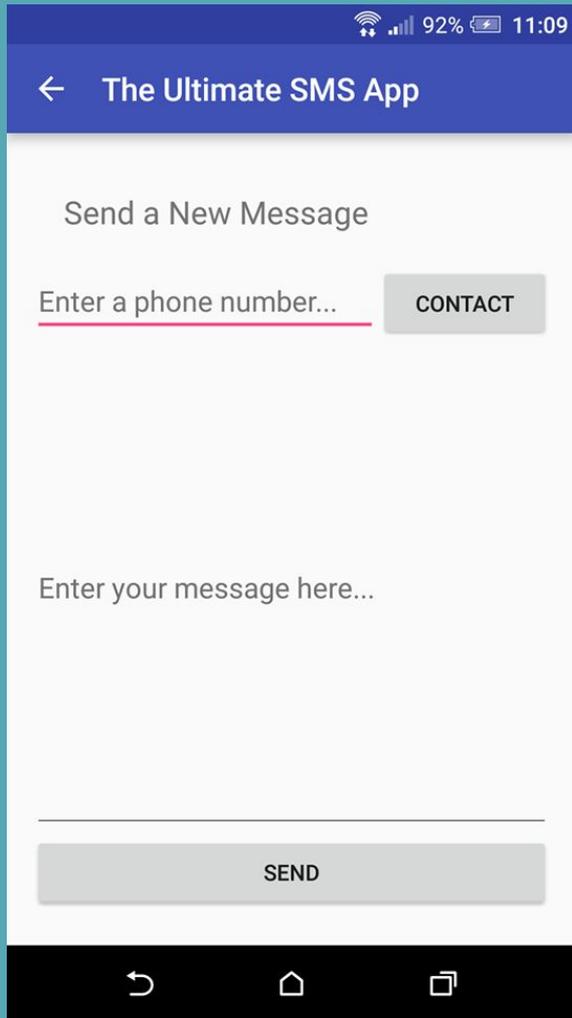
- To ensure that YAMA is running under a safe environment, it confirms SMS-related permissions (SEND_SMS and RECEIVE_SMS, specifically) at runtime.
- It uses implicit Intent to interact across different Activities and communicate with default Contact app on the device.
- The app's capability of receiving messages and sending auto-reply is tested with the emulator on PC by using the following commands:
 - ◆ `telnet localhost <port>`
 - ◆ `sms send <from-number> "<message>"`



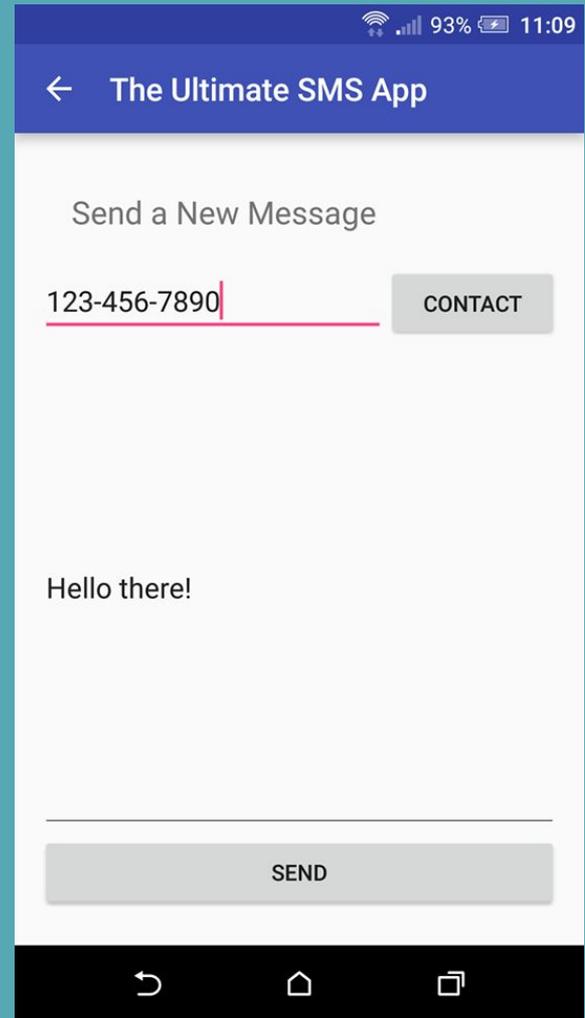
Home Screen



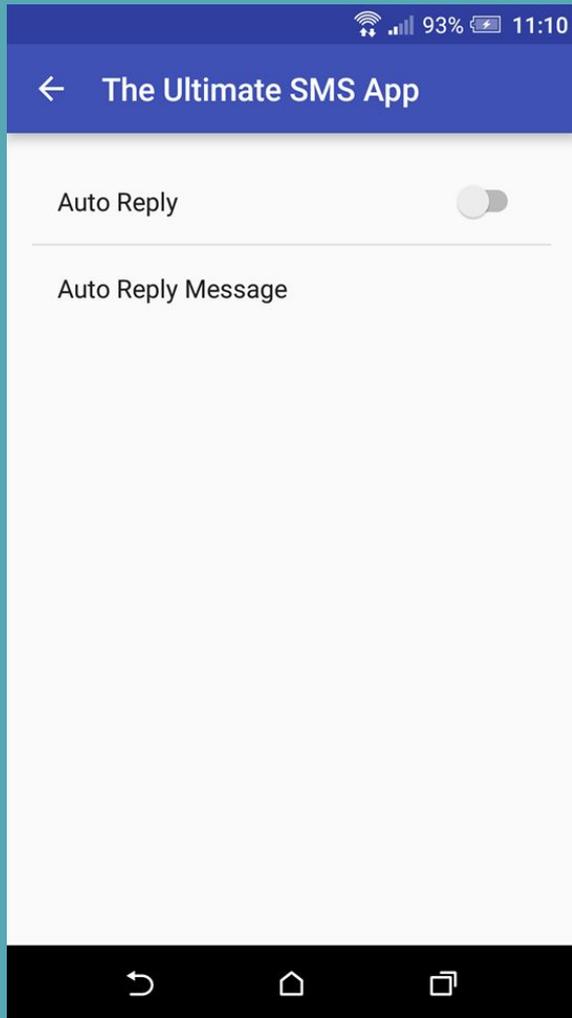
Received Messages Screen



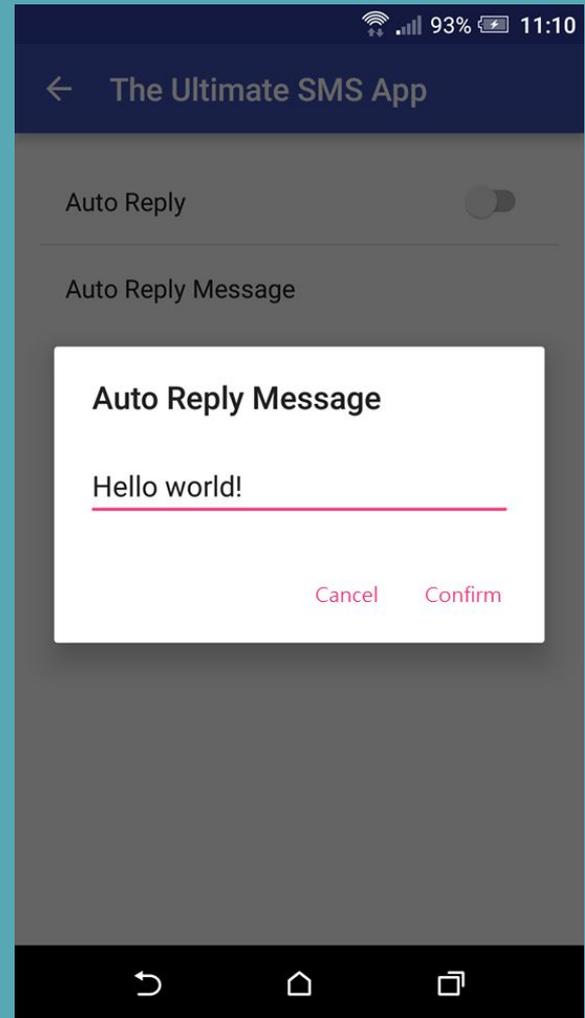
Compose Messages Screen



User can select existing contact through the Contact button



Auto Reply Settings



User can set a default auto reply message and choose whether to have it on or off

What Skills have I demonstrated?

Through completing this project, I've demonstrated the following skills:

- **Using intents** to communicate between activities and applications
- Responding to implicit intents and broadcasts
- **Harnessing Android telephony classes** to send, receive, and display SMS messages
- **Displaying notifications**
- Allowing users to **specify settings and preferences**
- Learning and **using Android UI** widgets and patterns

How might the app move forward in the future?

Next-step features to improve usability for the YAMA may include:

- Allowing users to set multiple auto-reply messages (changing based on time of the day) and other quick reply preferences
- Learning user pattern to suggest auto-reply settings



THANKS!

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