

Project 4: Reply Genie

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CIS 436: Mobile Application Design and Implementation

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Description:

ReplyGenie is a cutting-edge Android application designed and developed in Kotlin using Android Studio. With its powerful capabilities, the app allows users to generate email responses quickly and easily with the help of state-of-the-art AI technology.

The heart of ReplyGenie is its sophisticated API, which I built using Microsoft Azure and ChatGPT API. By leveraging the power of these technologies, the app is able to generate accurate and helpful responses to any email message, regardless of its complexity or content.

To use the app, users simply enter their email message and submit it through the app's intuitive user interface. ReplyGenie then quickly processes the message, calling upon its powerful API to generate a response that is tailored to the user's needs. The response is then displayed within the app, allowing the user to easily copy and paste it into their email client.

It is important to note that ReplyGenie is currently in alpha testing and may experience occasional timeouts or generate incorrect responses. While the app has been extensively tested and refined, it is still in development, and users should be aware that it may not be completely stable.

However, despite these occasional issues, ReplyGenie remains a powerful and innovative tool for generating email responses using advanced AI technology. As the app continues to be refined and improved, users can expect even greater levels of stability and accuracy in the future.

Screenshots and explanations:

Splash Screen: which is an activity that displays the app logo for a short duration before the Main Activity shows.

Main Activity: An activity that shows the two fragments of the application.

Main fragment: A fragment that has the basic UI widget for the user to interact with.

The top of the fragment has 3 buttons that allow the user to select the tone of the email. When one tone is selected the rest of the tone buttons are disabled and the text fields are enabled. To deselect a tone simply press on it back again, this will enable all the tone buttons and will disable the text fields again.

The main fragment also has 3 text fields:

From: specifies the email's origin.

To: specifies the email's destination.

Enter your Email: Email text message.

Once the tone is selected and all text fields are entered, the Generate button will be enabled,

allowing the user to generate a response.

Response Fragment: A fragment that displays the Email Response once it is generated.

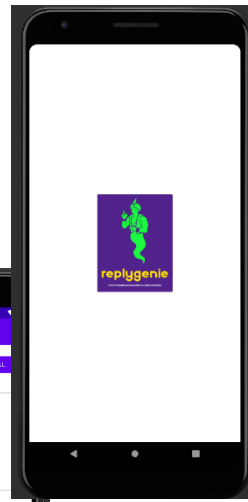


Figure 1: Splash Screen

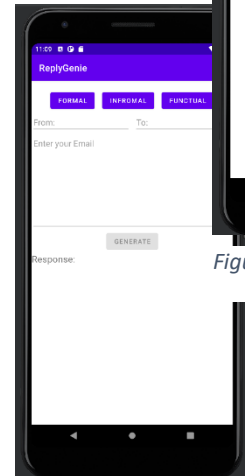


Figure 2: Main Activity

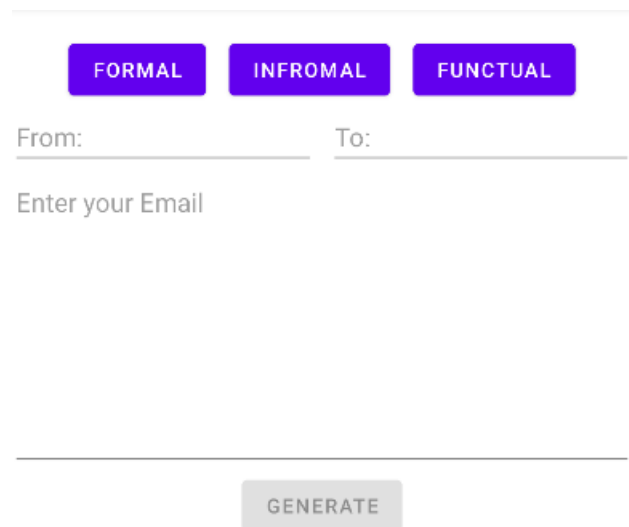


Figure 3: Main Fragment

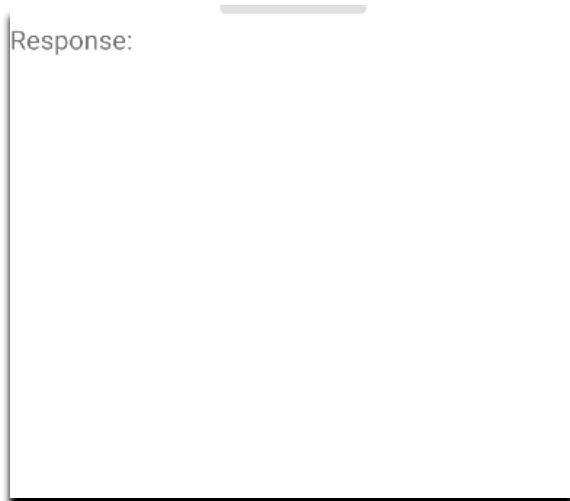


Figure 4: Response Fragment

Demo:

- 1) The tone chosen is formal and all text fields are entered thus the Generate button is enabled.
- 2) Once Generate button is hit the response shows in the Response Fragment.

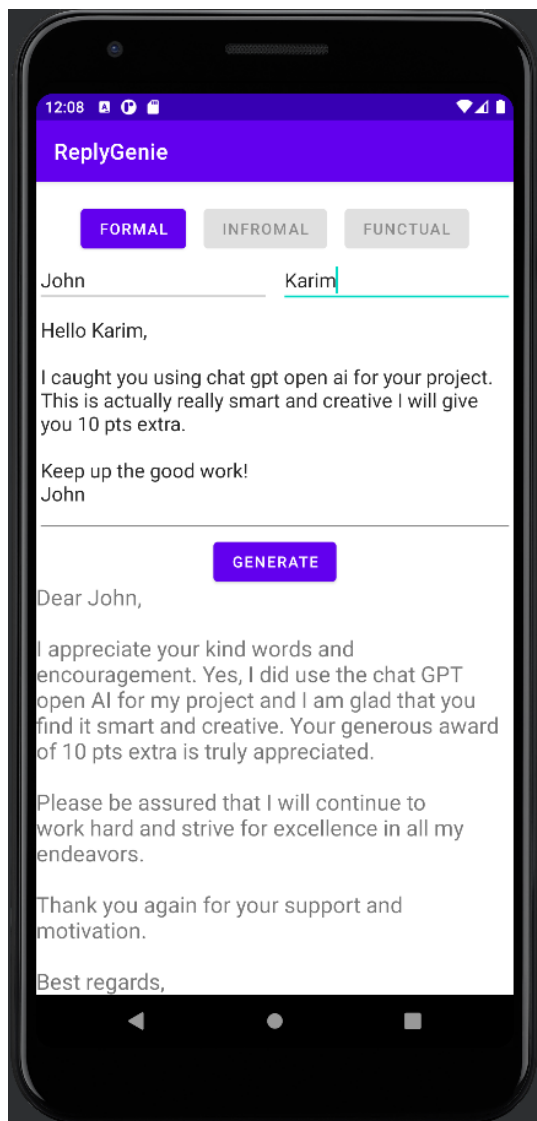


Figure 6: Demo2

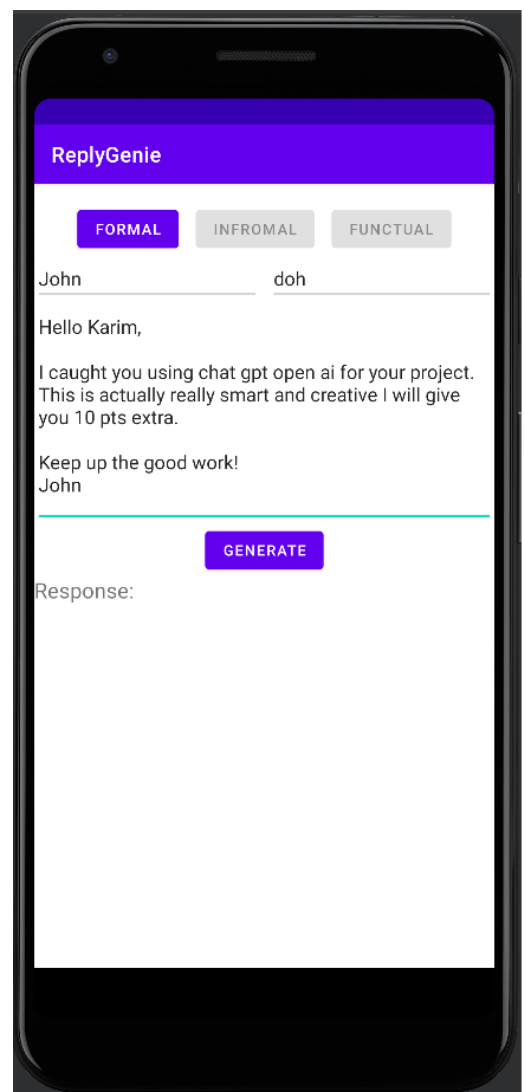


Figure 5: Demo1