

ICP – 9

ICP GROUP: 38

ICP 9

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ICP9 Repository: <https://github.com/UMKC-APL-WebMobileProgramming/ICP9-AnilkumarreddyNandikonda>

ICP9 source code link: <https://github.com/UMKC-APL-WebMobileProgramming/ICP9-AnilkumarreddyNandikonda/tree/main/PizzaOrder>

My Partner

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Partner Repository: <https://github.com/UMKC-APL-WebMobileProgramming/ICP9-YAbhinay>

Source Code Link: <https://github.com/UMKC-APL-WebMobileProgramming/ICP9-YAbhinay/tree/main/PizzaOrder/app/src>

ICP9 video: <https://umsystem.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=01a748ea-32fa-4556-8ba6-add3006fa9ba>

Lesson Overview:

This lesson will discuss some Android basics by working on layouts, views, and intents, thereby getting familiarized with the management system. Additionally, we will review some programming elements of the Java language through ICP.

Programming elements:

Basics of Android (Layouts, Views, and Intents)

In Class Programming (ICP):

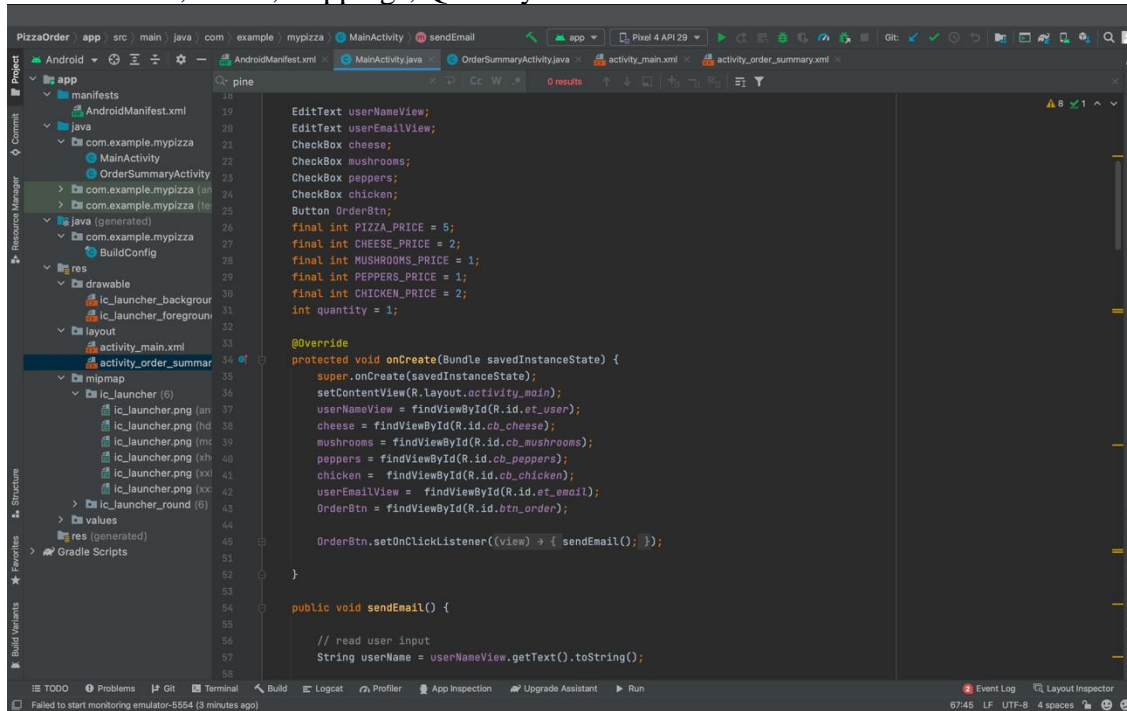
My Pizza: Pizza ordering app

Understand the starter code for ordering coffee and make a simple mobile application to order a pizza with the following requirements.

- i. The main activity should look as below (make suitable changes for the pizza ordering app!).
- ii. Add two more options for the toppings.
- iii. Create the 'ORDER' and 'SUMMARY' buttons beside each other.
- iv. When clicked on the 'SUMMARY' button, the summary should display in a new activity in a List View
- v. When clicked on the 'GO TO ORDER' button, the screen should navigate back to the order screen.
- vi. When clicked on the 'ORDER' button, the option to send an email with the summary of the order should be displayed as follows

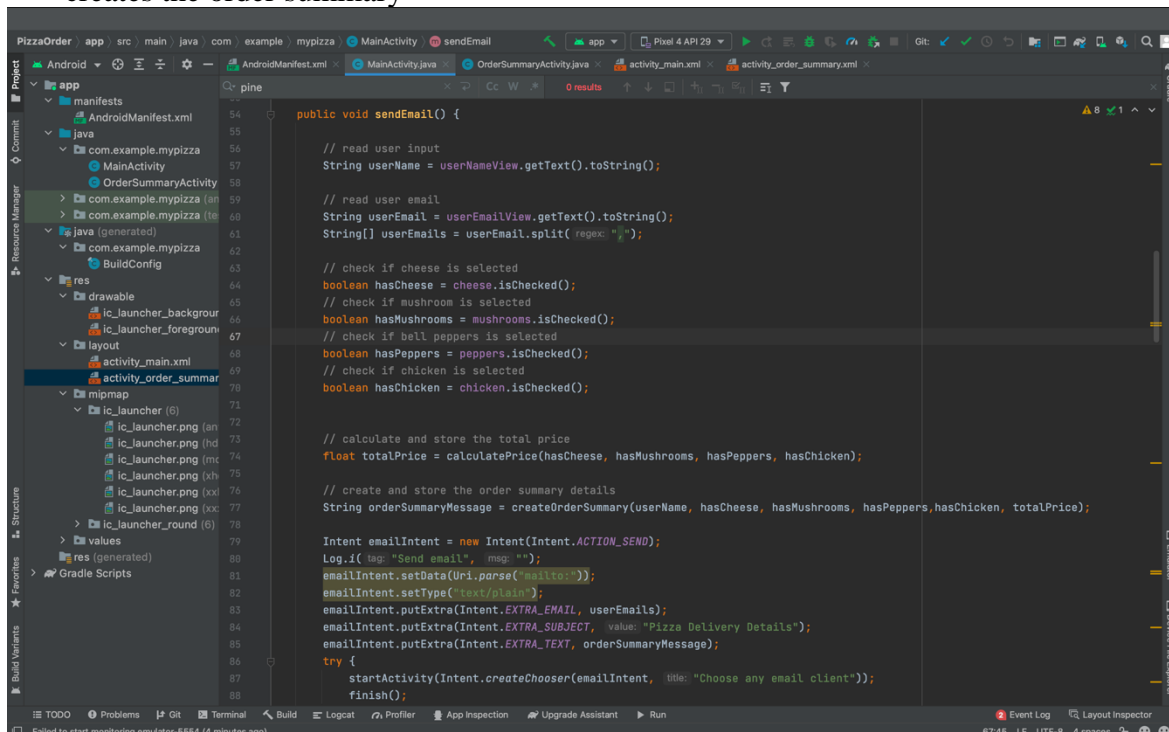
Declaring method for every function

- Name, Email, Toppings, Quantity



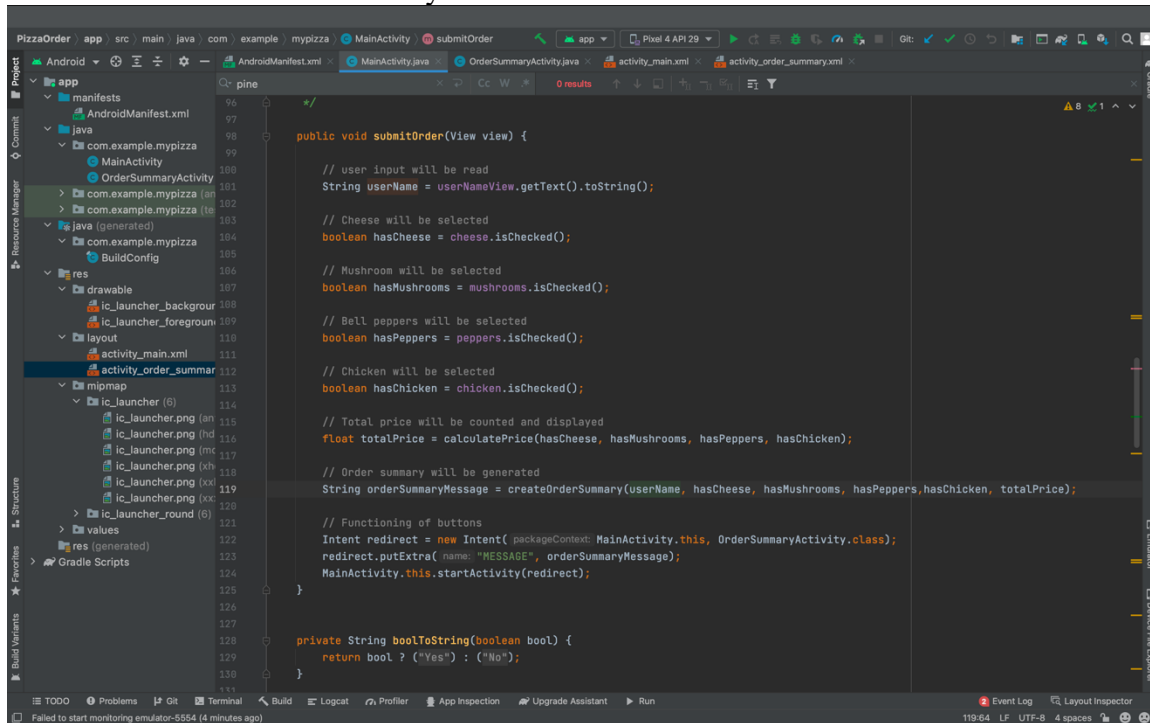
Functions for Send email,

- User input will be read, selection of toppings, total price will be counted and displayed, creates the order summary



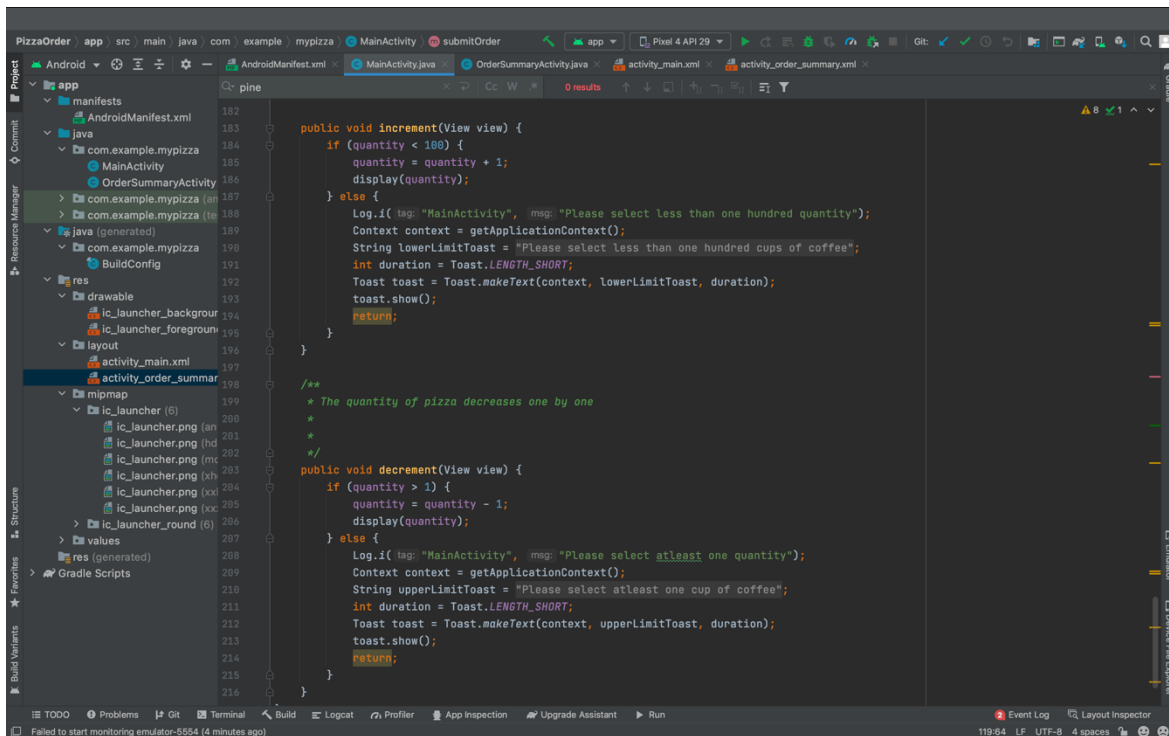
Function for submit Order,

- User input will be read, selection of toppings, total price will be counted and displayed, creates the order summary

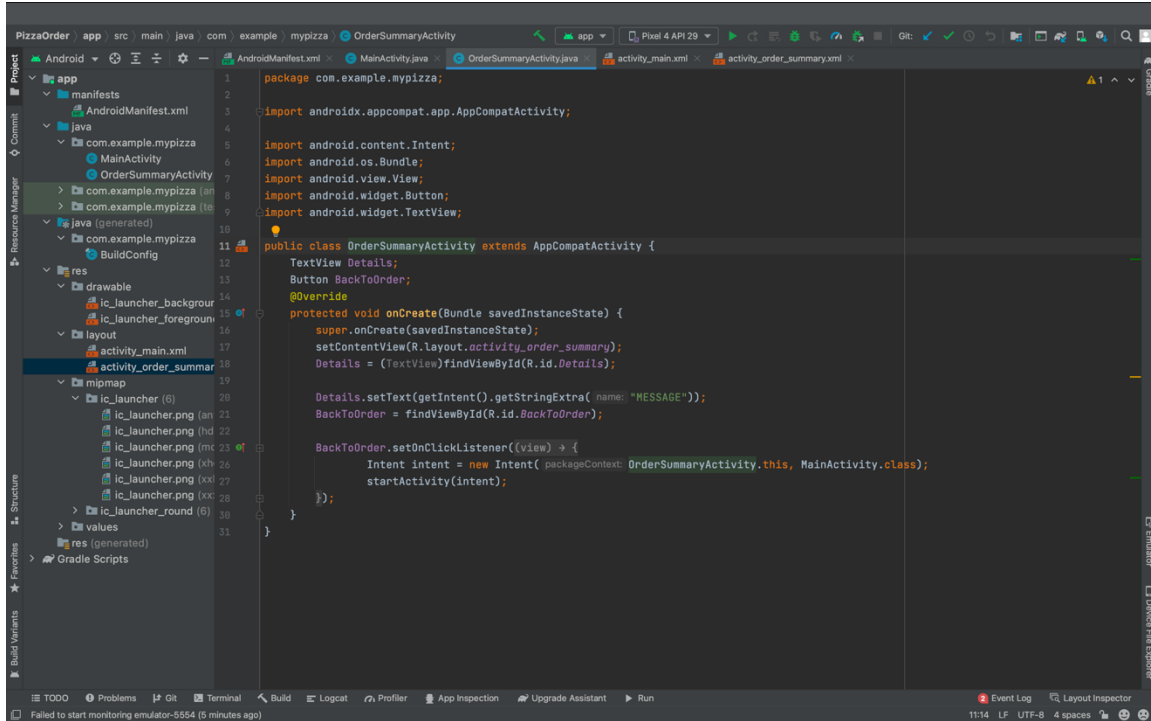


Increment and Decrement functions

- Here we can increase or decrease if like to have the same pizza with the buttons '+' or '-'

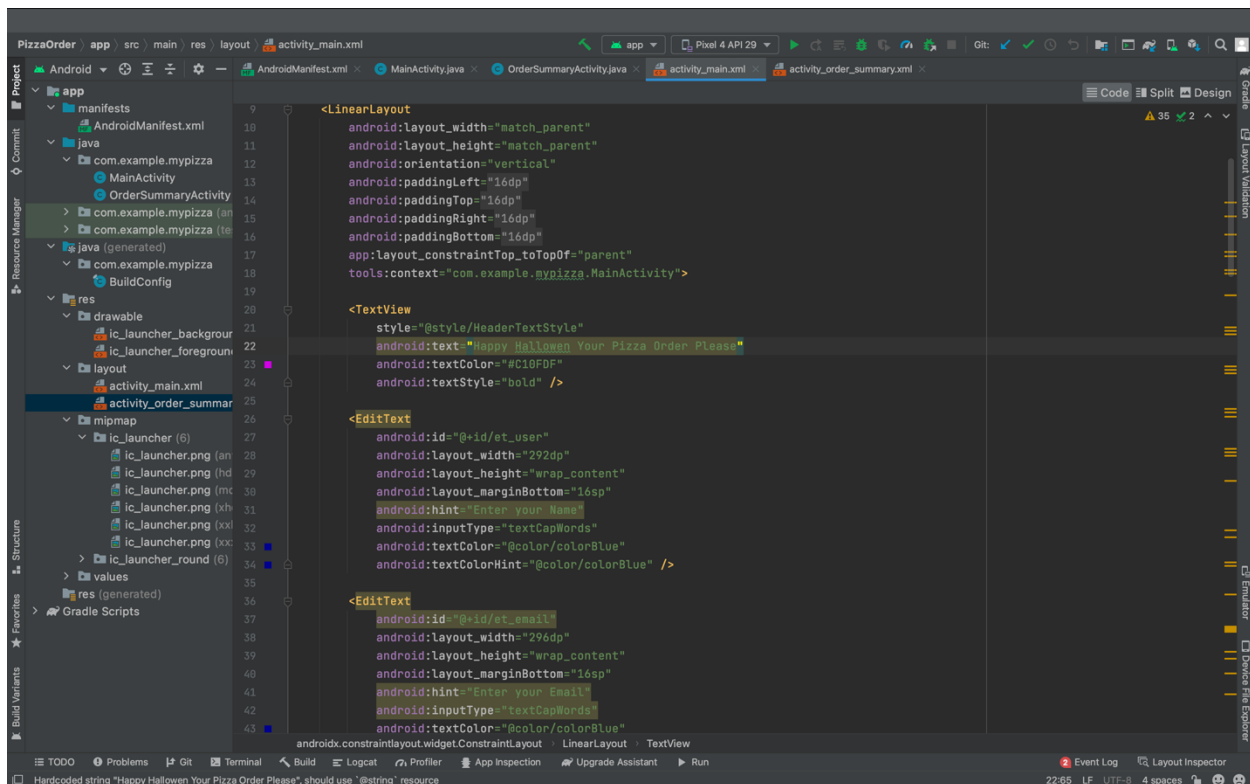


For Order summary the code as follows



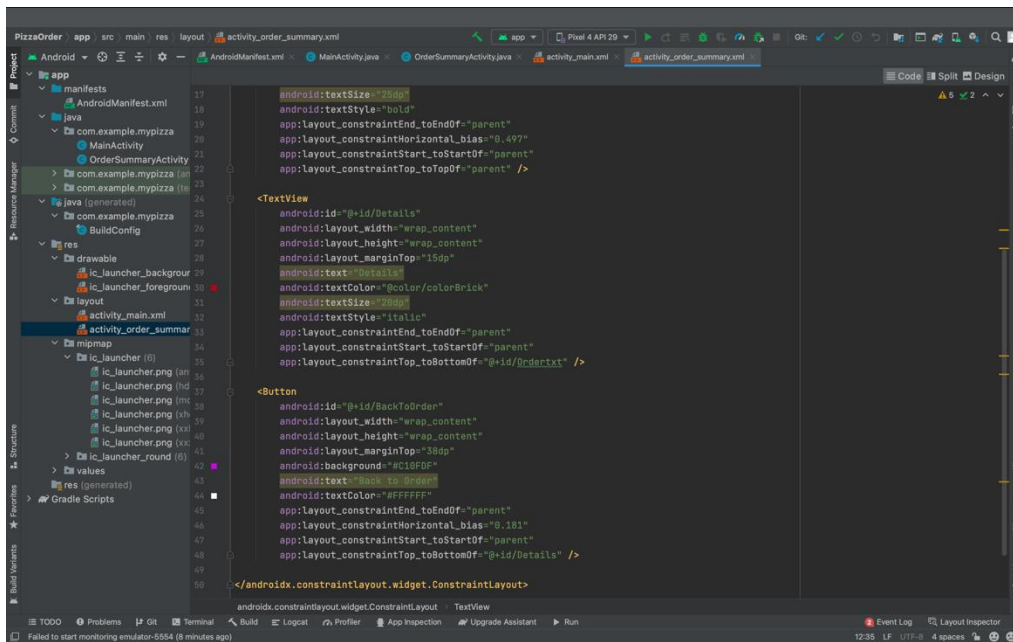
Front page of the layout is setup by using this .xml file as follows:

- Title, Name, Email, Toppings, Complete Order, Order summary
-



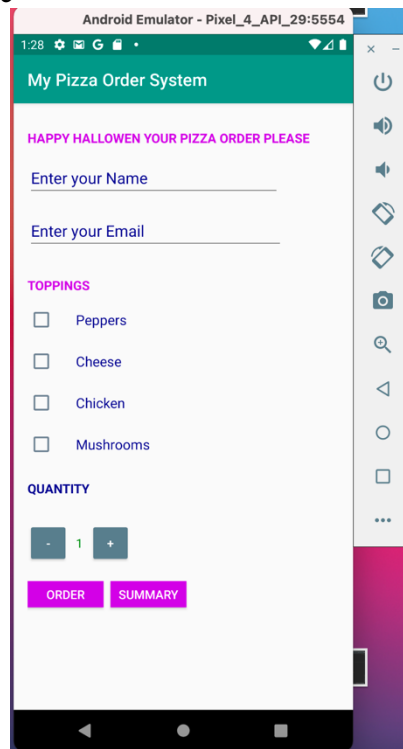
Order summary layout is setup by using this .xml file as follows

- We can see detailed type of pizza we have ordered with toppings, button for ‘back to order’

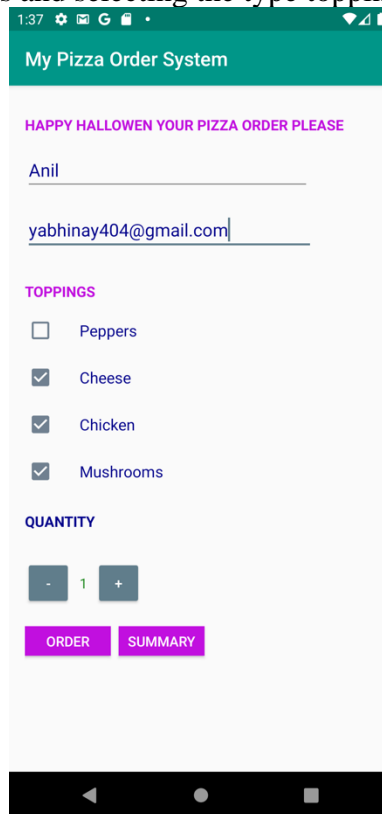


OUTPUT:

Front page of the application where we can enter name, email, select the toppings, we have some buttons as shown in below image

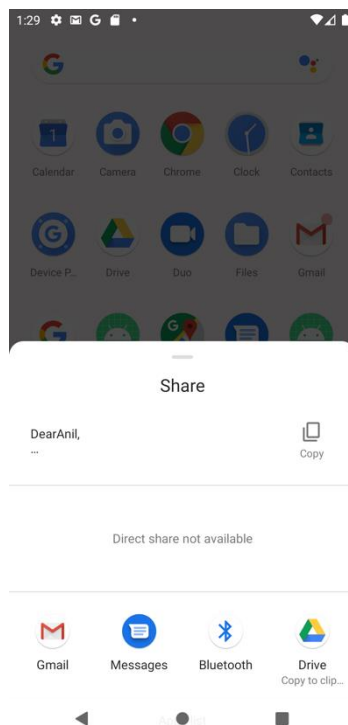


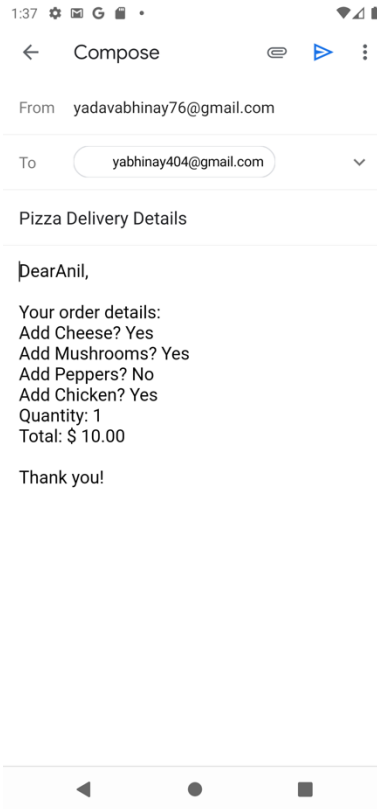
After entering the personal details and selecting the type toppings



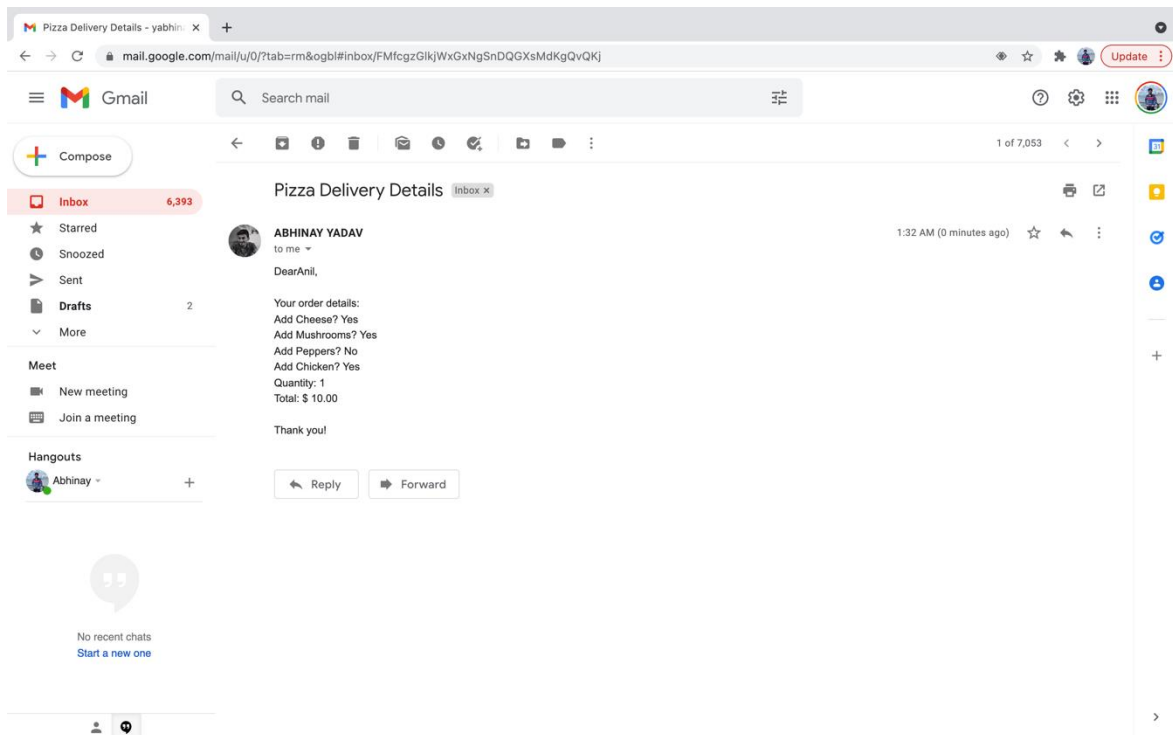
The screenshot shows the 'My Pizza Order System' app interface. At the top, there's a teal header with the title. Below it, a pink message says 'HAPPY HALLOWEN YOUR PIZZA ORDER PLEASE'. The user's name 'Anil' is entered in a text field, and the email 'yabhinay404@gmail.com' is entered in another. Under the 'TOPPINGS' section, there are four items: 'Peppers' (unchecked), 'Cheese' (checked), 'Chicken' (checked), and 'Mushrooms' (checked). The 'QUANTITY' section shows a quantity of '1' with minus and plus buttons. At the bottom, there are two pink buttons: 'ORDER' and 'SUMMARY'. The Android navigation bar is visible at the very bottom.

Order summary will be sent after filling details to the given email





User will receive the order confirmation mail



User can see the order summary in the application itself

