

ICP – 9 Developing Food Ordering Application for Android

Team details:

Sarath Chandra Kolisetty – sk83g@umsystem.edu

Github link: <https://github.com/sarath98-lab/spring-2022/tree/main/Mobile/ICP9>

Eeshwara Sai Tota – ettkv@umsystem.edu

Github link: <https://github.com/SaiKicks/WebMobile-Spring2022/tree/main/mobile/ICP9>

Description:

Current ICP helps in understand developing an Android application for pizza delivery.

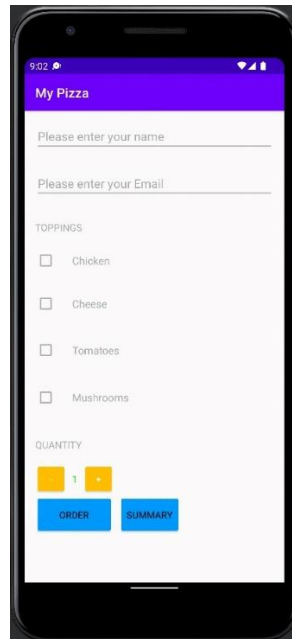
Layout > activity_main.xml

In this xml file we designed the main page for the My pizza application. Using LinearLayout we have input fields which include EditText, TextView, CheckBox and Button.

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:paddingLeft="16dp"
    android:paddingTop="16dp"
    android:paddingRight="16dp"
    android:paddingBottom="16dp"
    tools:context="com.example.vijaya.myapplication">

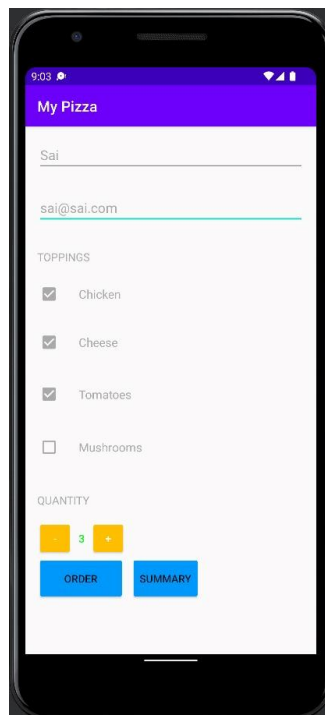
    <EditText
        android:id="@+id/user_input"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="26sp"
        android:hint="Please enter your name"
        android:inputType="textCapWords"
        android:textColor="#AAAAAA"
        android:textColorHint="#AAAAAA" />
```

Main page



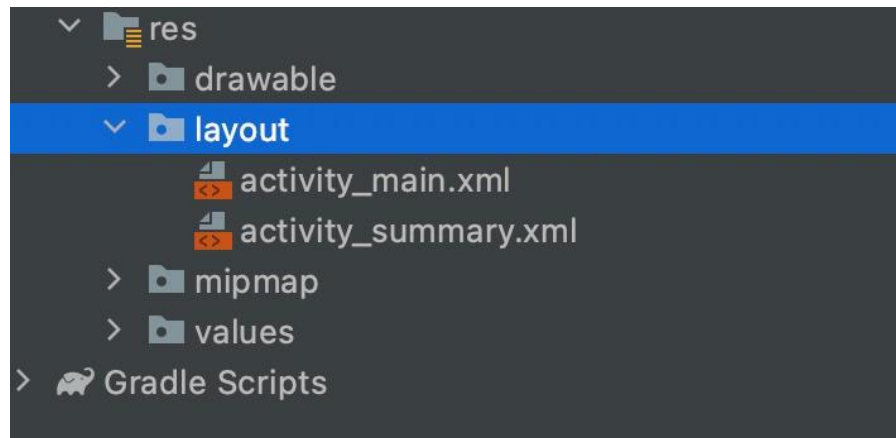
A screenshot of a mobile application titled "My Pizza". The interface has a purple header bar with the title. Below the header, there are two text input fields: "Please enter your name" and "Please enter your Email". Underneath these fields is a section titled "TOPPINGS" containing four items: "Chicken", "Cheese", "Tomatoes", and "Mushrooms", each with an unchecked checkbox. Below the toppings is a "QUANTITY" section with a yellow minus button, a central display showing "1", and a yellow plus button. At the bottom of the form are two blue buttons labeled "ORDER" and "SUMMARY".

Main page has fields to get information about customer's name, email, different topping on pizza and no. of pizzas. Once he enters the right information customer has two options either order the pizza or look at the summary before placing the order.

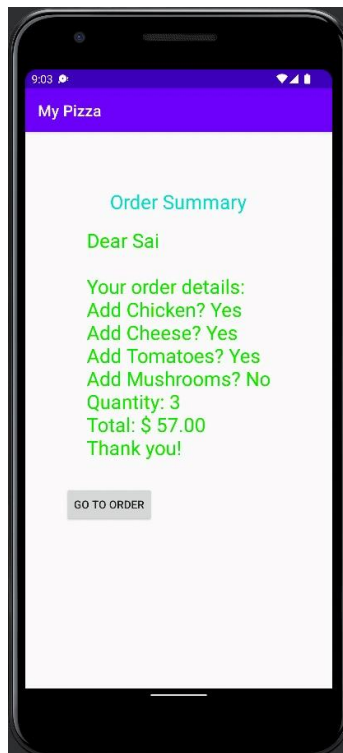


A screenshot of the same "My Pizza" application. The "Please enter your name" field now contains the text "Sai". The "Please enter your Email" field contains "sai@sai.com". In the "TOPPINGS" section, the checkboxes for "Chicken", "Cheese", and "Tomatoes" are now checked, while "Mushrooms" remains unchecked. The "QUANTITY" section shows the central display has changed to "3". The "ORDER" and "SUMMARY" buttons remain at the bottom.

Layout for summary



A separate layout is designed called `activity_summary.xml` where summary of the entered details and associated price is displayed. Now user can go back to order page and make changes if required and click on summary button to see updated summary of order.

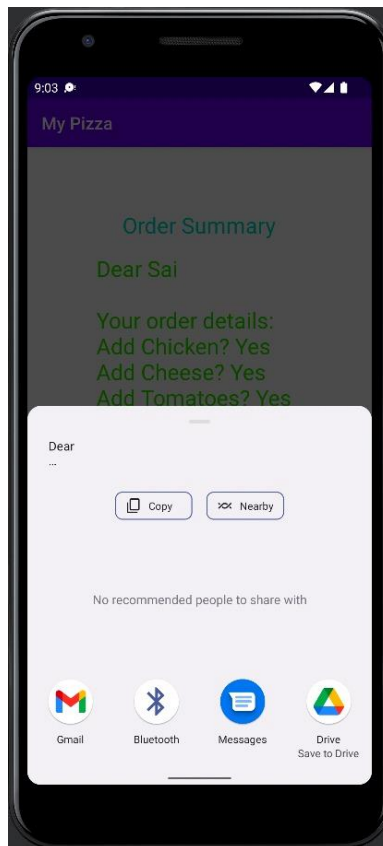


Send Email when ordered

When customer reviews the summary page and come backs to order page, customer can finalize the order by clicking order button. When clicked on order page an email is sent. This is done using below code snippet when ACTION_SEND intent is used with extra information which include recipient email, subject, and content of email.

```
Intent emailIntent = new Intent(Intent.ACTION_SEND);
Log.i( tag: "Send email", msg: "");
emailIntent.setData(Uri.parse("mailto:"));
emailIntent.setType("text/plain");
emailIntent.putExtra(Intent.EXTRA_EMAIL, userEmails);
emailIntent.putExtra(Intent.EXTRA_SUBJECT, value: "Pizza Delivery Details");
emailIntent.putExtra(Intent.EXTRA_TEXT, orderSummaryMessage);
```

When clicked user can see the below screen where installed email applications are popped up and user can choose the service.



Learnings from the lesson:

- Develop and debug android food ordering application with Android studio.
- How to use an email service to send out mails.

Contribution:

Equal contribution