ICP – 9 Developing Food Ordering Application for Android

Team details:

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

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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.
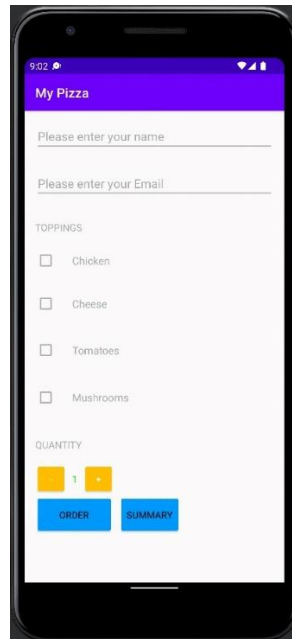
Layout > activity_main.xml

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

```xml
<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.myorder.MainActivity">

    <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" />
```
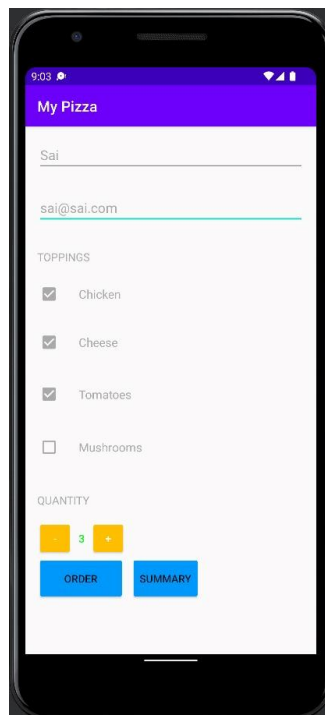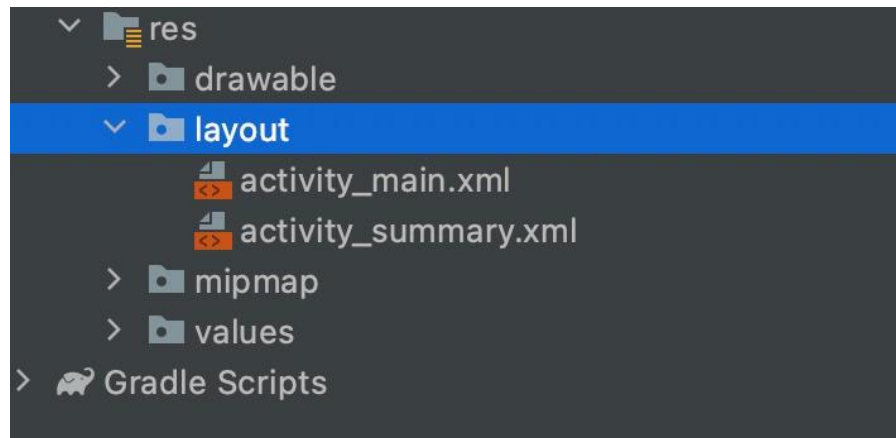
Main page

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.
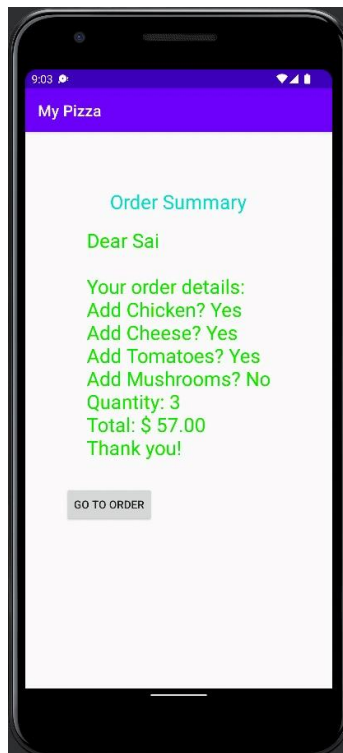
Layout for summary

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.
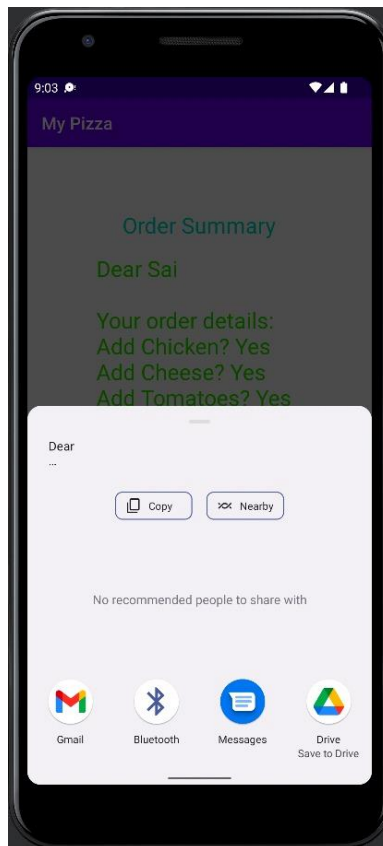
Send Email when ordered

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.

```java
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