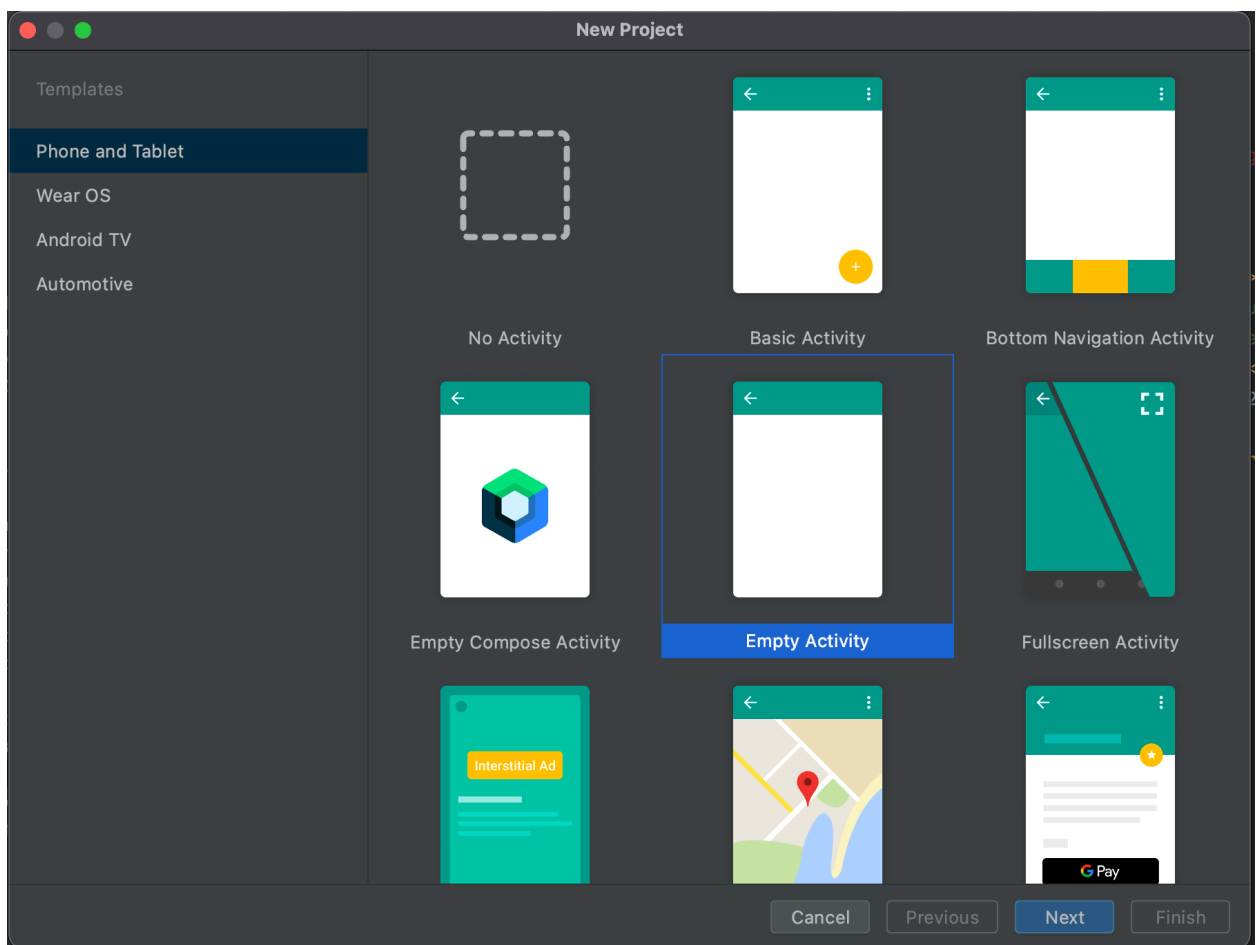# ICP9
CHENNA SRINIVAS – 16307995
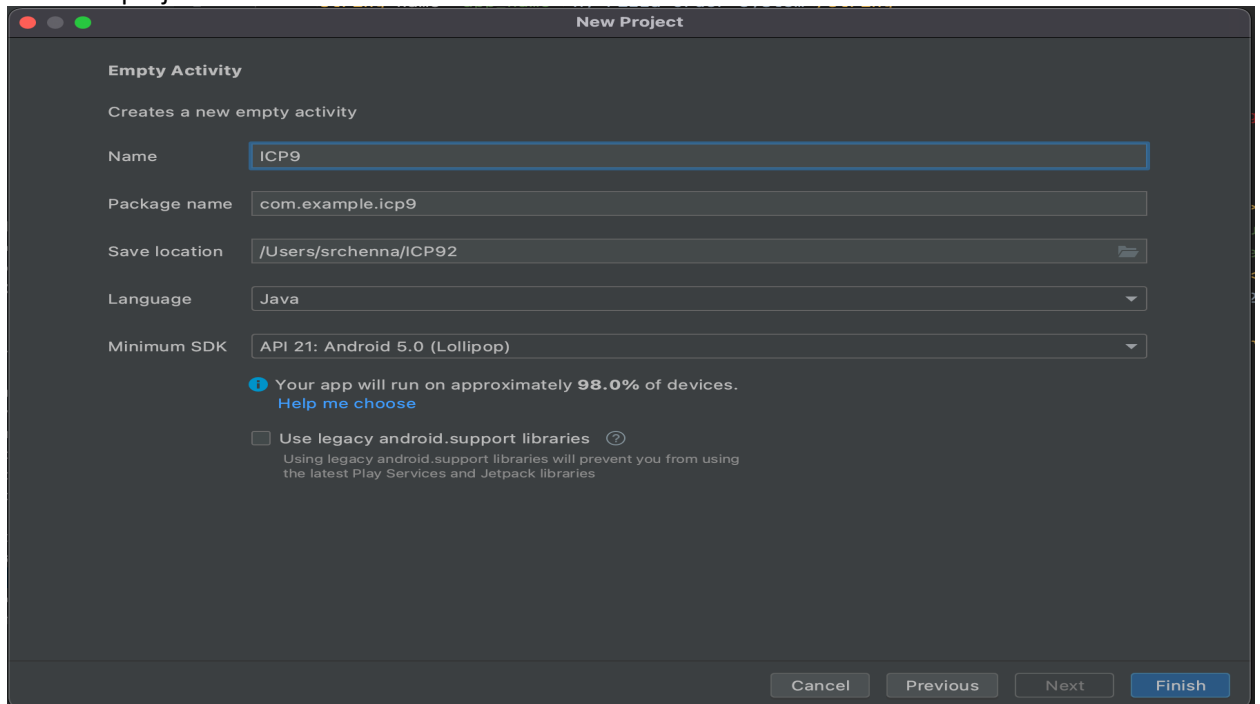https://github.com/sc7vc/Web_Applications/tree/main/Web/ICP9

MAMJALA MANISHA – 16307984
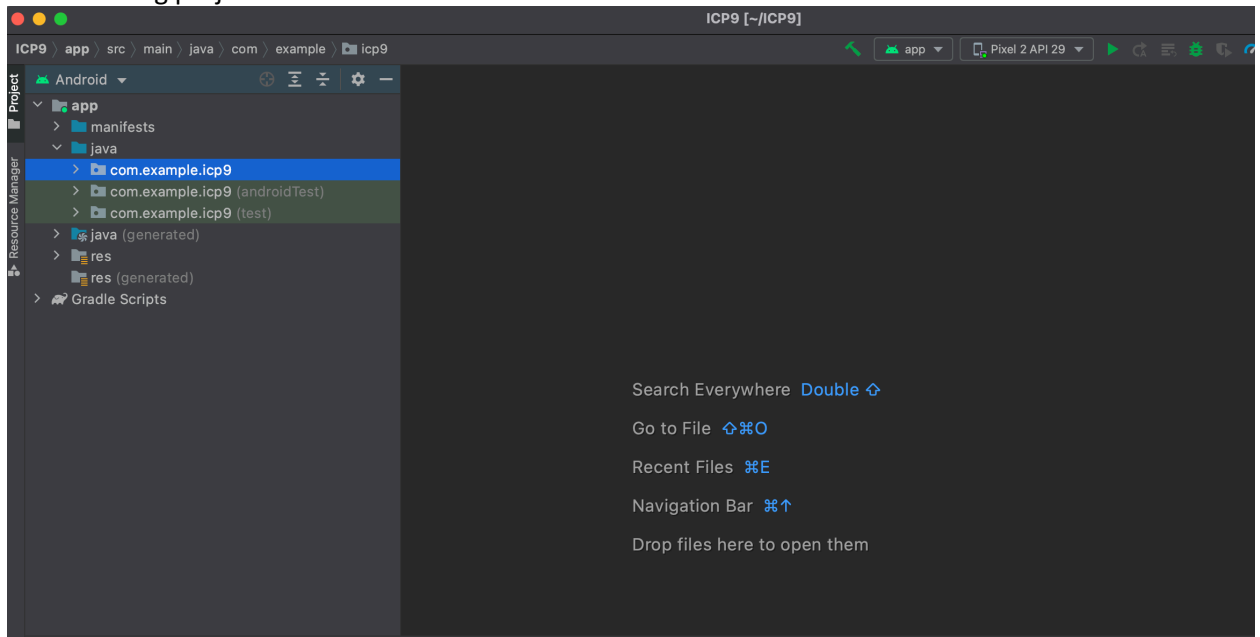https://github.com/mmg6m/Web/tree/main/Web_ICP/ICP9

1. Open the Android Studio and click on New Project and select empty activity as below

2. Give our project name as ICP9 as below and click on Finish

3. The following project will be created

4. We can give user multiple options as below

```java
switch(view.getId()) {
    case R.id.rb_handTossed:
        if (checked)
            crust = "Hand Tossed";
        break;
    case R.id.rb_handmadePan:
        if (checked)
            crust = "Hand Made";
        break;
    case R.id.rb_thinCrust:
        if (checked)
            crust = "Thin Crust";
        break;
}
```

5. We can send the email as below

```java
Intent emailIntent = new Intent(Intent.ACTION_SEND);
Log.i("Send email", "");
emailIntent.setData(Uri.parse("mailto:"));
emailIntent.setType("text/plain");
emailIntent.putExtra(Intent.EXTRA_EMAIL, userEmails);
emailIntent.putExtra(Intent.EXTRA_SUBJECT, "Pizza Delivery Details");
emailIntent.putExtra(Intent.EXTRA_TEXT, orderSummaryMessage);
try {
    startActivity(Intent.createChooser(emailIntent, "Choose any email
client"));
    finish();
} catch (android.content.ActivityNotFoundException ex) {
    Toast.makeText(MainActivity.this, "There is no email client
installed.", Toast.LENGTH_SHORT).show();
}
```

6. We can calculate the total prize as below

```java
float totalPrice = calculatePrice(hasCheese, hasMushrooms, hasChicken);
```

7. We can generate the order summary message as below

```java
Intent redirect = new Intent(MainActivity.this, OrderSummery.class);
redirect.putExtra("MESSAGE", orderSummaryMessage);
```

8. We are preparing the order summary as below

```java
String orderSummaryMessage = getString(R.string.order_summary_name, userName)
+ ",\n" +
        getString(R.string.order_details) + "\n" +
        getString(R.string.order_summary_cheese, boolToString(hasCheese) +
"\n" +
        getString(R.string.order_summary_mushrooms,
boolToString(hasMushrooms)) + "\n" +
```

```
        getString(R.string.order_summary_chicken, boolToString(hasChicken)) +
"\n" +
        "Crust?" + crust + "\n"+
        "Size?" + size + "\n" +
        getString(R.string.order_summary_quantity, quantity) + "\n" +
        getString(R.string.order_summary_total_price, price) + "\n" +
        getString(R.string.thank_you);
```

9. The user should select less than 50 pizzas, we can achieve this as below

```
if (quantity < 50) {
    quantity = quantity + 1;
    display(quantity);
} else {
    Log.i("MainActivity", "Please select less than 50 pizzas");
    Context context = getApplicationContext();
    String lowerLimitToast = getString(R.string.too_much_quantity);
    int duration = Toast.LENGTH_SHORT;
    Toast toast = Toast.makeText(context, lowerLimitToast, duration);
    toast.show();
    return;
```

10. We are showing order summary message as below

```
setContentView(R.layout.activity_order_summery);
Details = (TextView)findViewById(R.id.Details);

Details.setText(getIntent().getStringExtra("MESSAGE")
```

11. We can create text field as below

```
<EditText
    android:id="@+id/et_user"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="16sp"
    android:hint="Enter your Name"
    android:inputType="textCapWords"
    android:textColorHint="@color/colorPrimary" />
```

12. We can create checkbox as below

```
<CheckBox
    android:id="@+id/cb_mushrooms"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="16sp"
    android:buttonTint="#708090"
    android:paddingLeft="24dp"
    android:text="Mushrooms"
```

```
        android:textColor="@android:color/holo_blue_dark"
        android:textSize="16sp" />
```

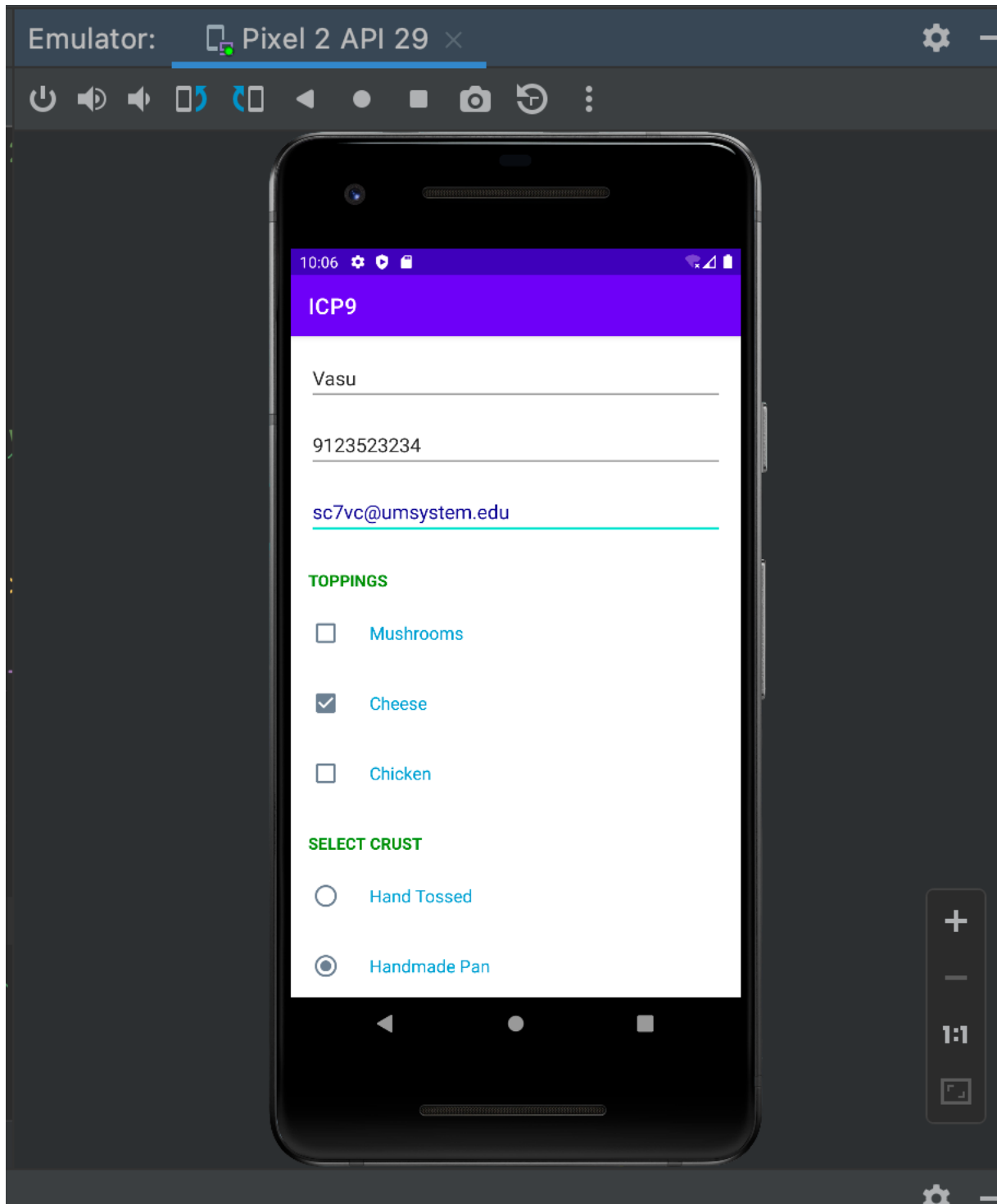13. We can create Radio group as below

```
<RadioGroup xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/rg_crust"
    android:text="Select Crust"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <RadioButton
        android:id="@+id/rb_handTossed"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16sp"
        android:onClick="onCrustSelected"
        android:buttonTint="#708090"
        android:paddingLeft="24dp"
        android:text="Hand Tossed"
        android:textColor="@android:color/holo_blue_dark"
        android:textSize="16sp" />

    <RadioButton
        android:id="@+id/rb_handmadePan"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16sp"
        android:onClick="onCrustSelected"
        android:buttonTint="#708090"
        android:paddingLeft="24dp"
        android:text="Handmade Pan"
        android:textColor="@android:color/holo_blue_dark"
        android:textSize="16sp" />
```
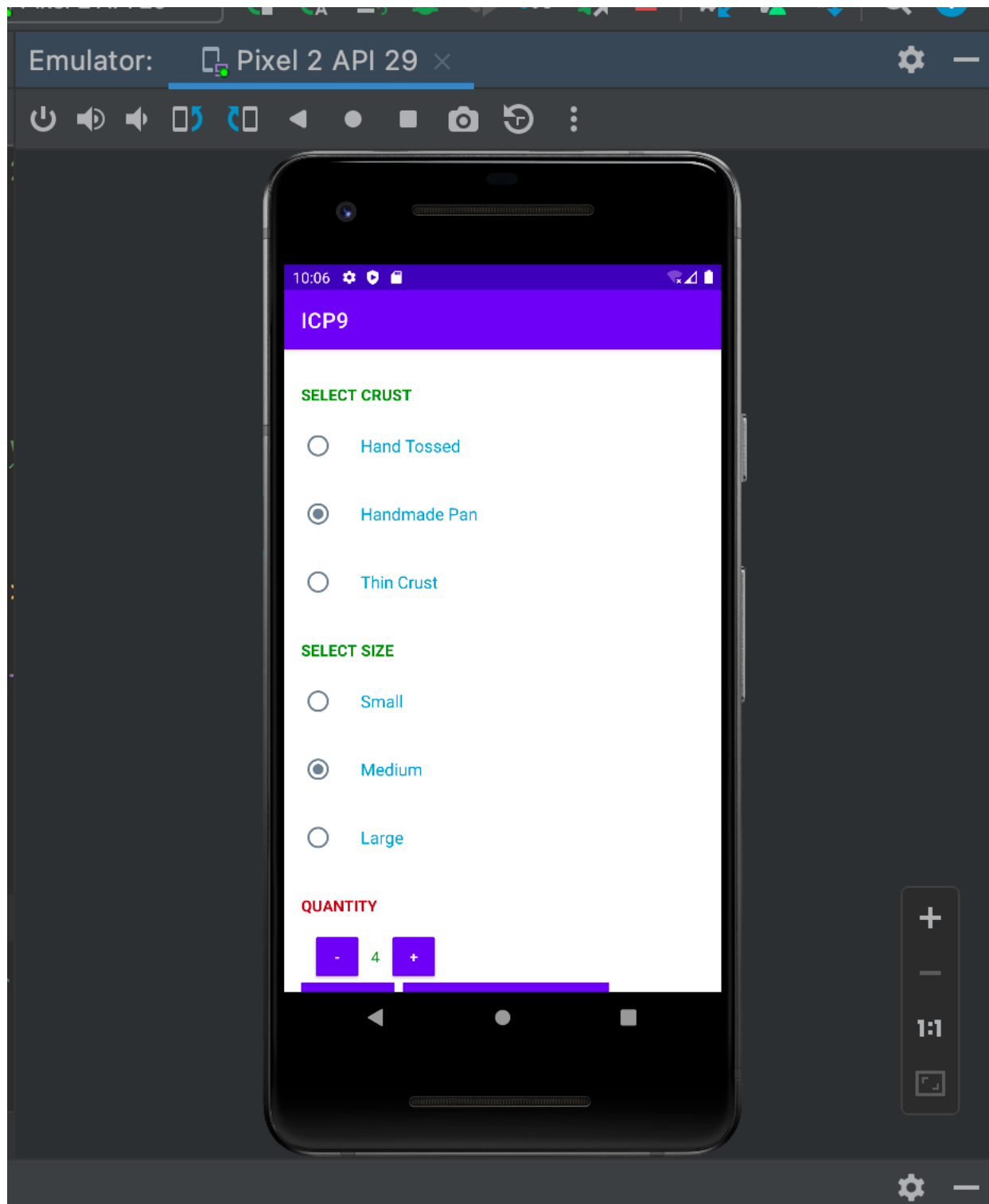
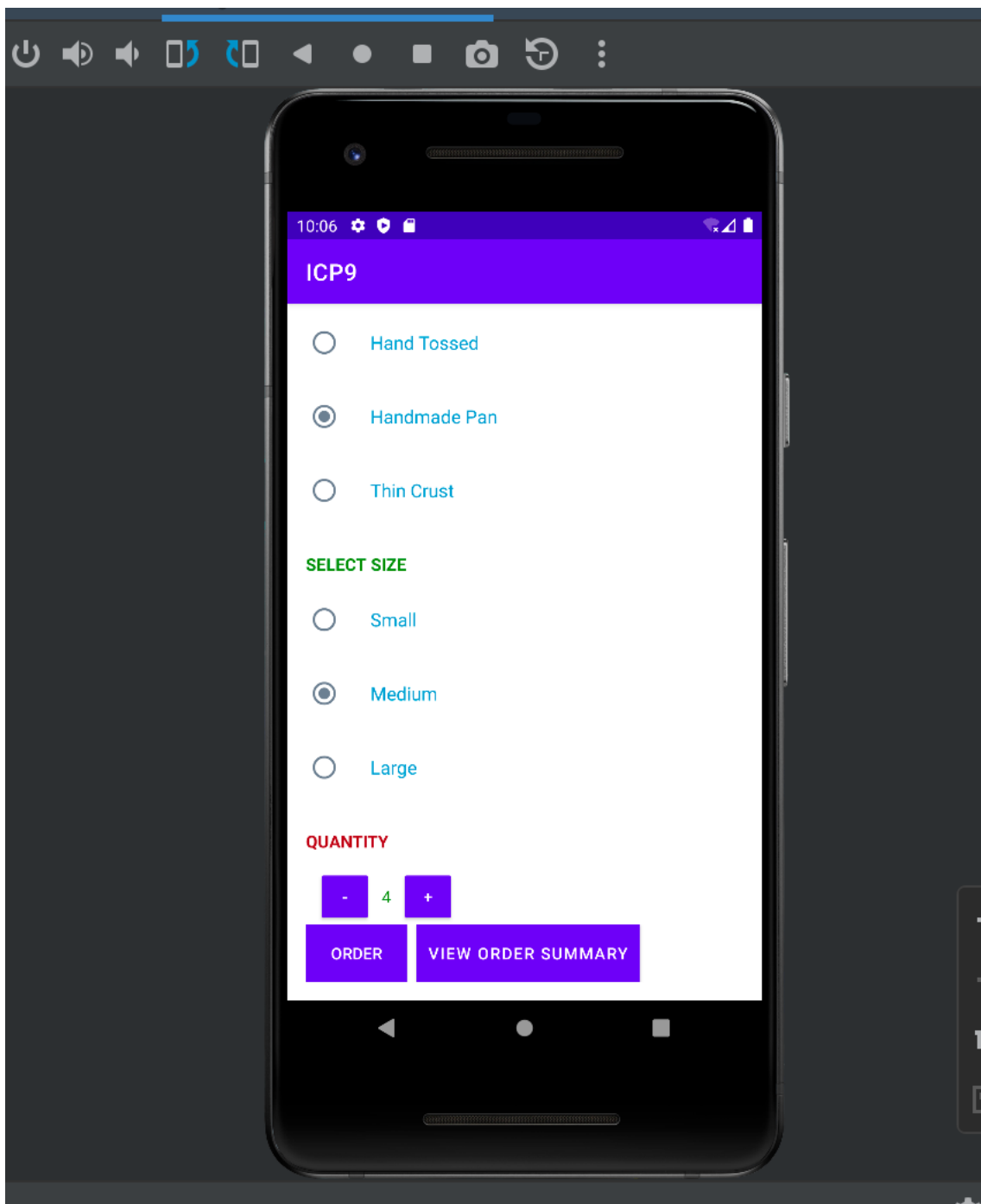14. We can create our custom Strings as below

```
<string name="order_summary_cheese">Add Cheese? <xliff:g example="yes"
id="addCheese">%s</xliff:g></string>
<string name="order_summary_mushrooms">Add Mushrooms? <xliff:g example="yes"
id="addMushrooms">%s</xliff:g></string>
<string name="order_summary_chicken">Add Chicken? <xliff:g example="yes"
id="addChicken">%s</xliff:g></string>
```
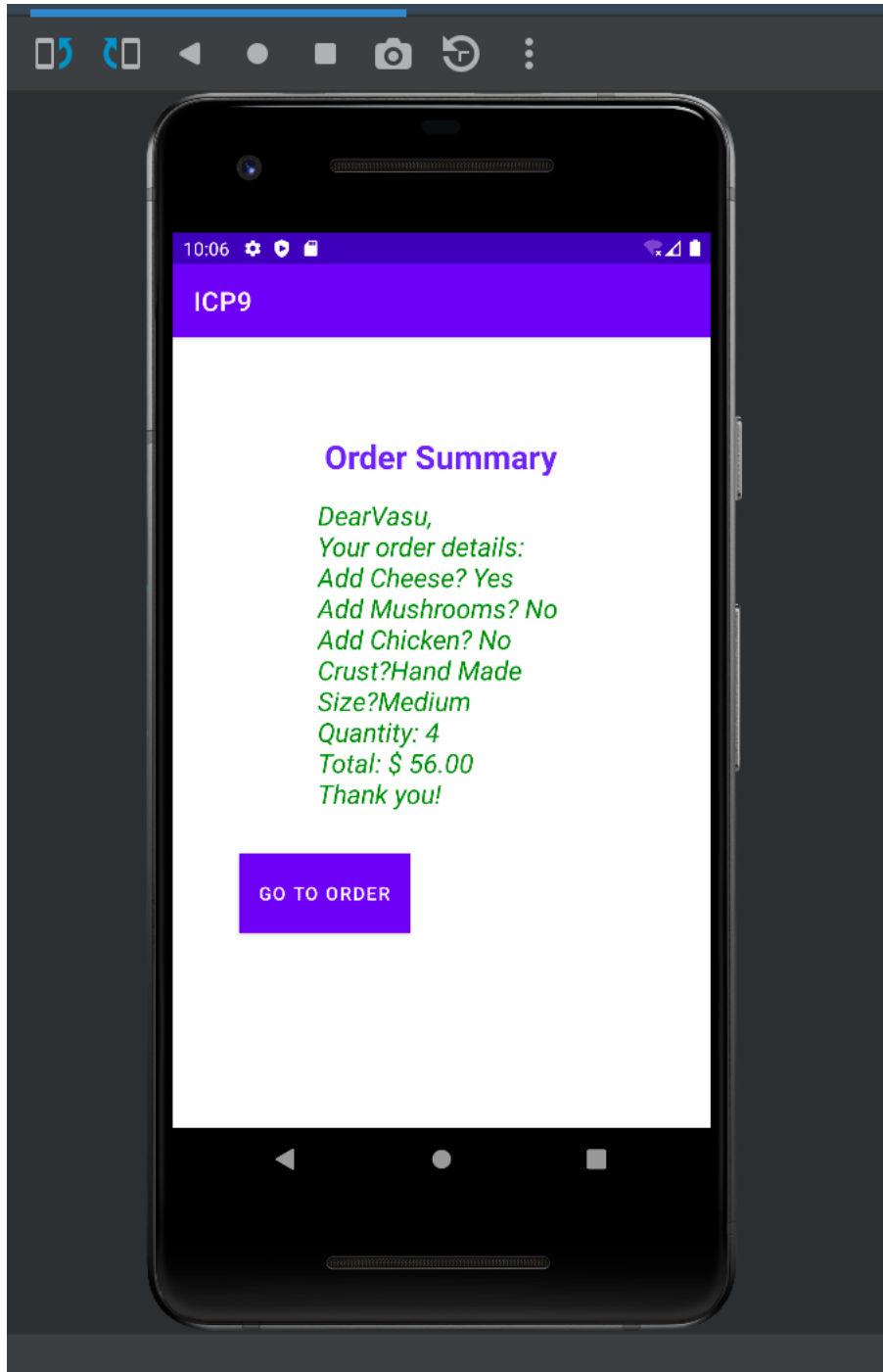
15. Now we can see the output as below

ICP9

SELECT CRUST

◯   Hand Tossed

◉   Handmade Pan

◯   Thin Crust

SELECT SIZE

◯   Small

◉   Medium

◯   Large

QUANTITY

-    4   +

ICP9

○ Hand Tossed

◉ Handmade Pan

○ Thin Crust

SELECT SIZE

○ Small

◉ Medium

○ Large

QUANTITY

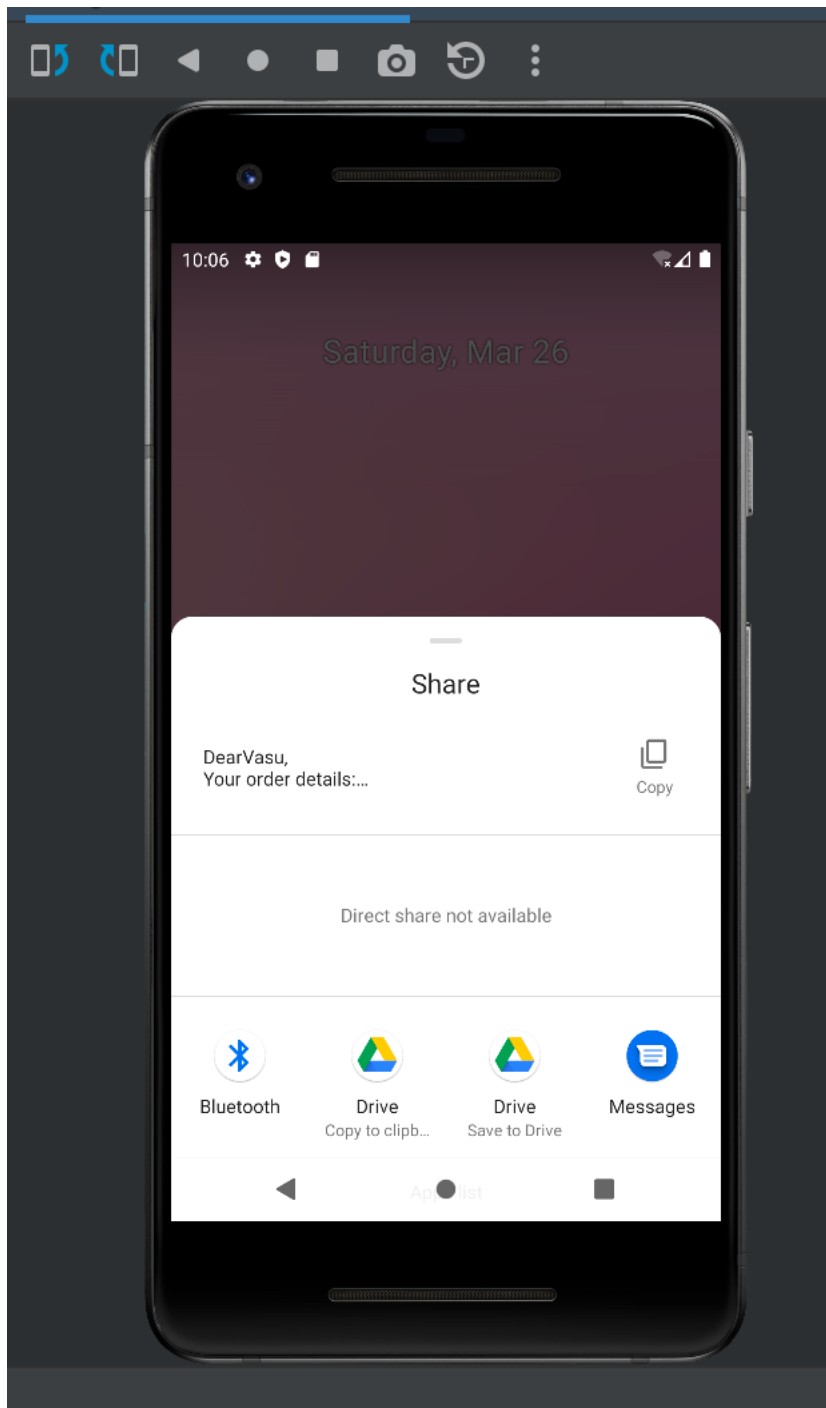[-] 4 [+]

[ORDER] [VIEW ORDER SUMMARY]

16. Now when we click on View Order Summary Button

17. Now click on Go To Order button and click on order button

18. Select the gmail from the options and it will display as below