**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**](https://github.com/UMKC-APL-WebMobileProgramming/ICP9-AnilkumarreddyNandikonda/tree/main/PizzaOrder)

**My Partner**

**Partner name:** Abhinay Yadav

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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

Text

Description automatically generated

Functions for Send email,

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

Text

Description automatically generated

Function for submit Order,

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

Text

Description automatically generated

Increment and Decrement functions

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

Text

Description automatically generated

For Order summary the code as follows

Text

Description automatically generated

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

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

Text

Description automatically generated

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’

Text

Description automatically generated

**OUTPUT:**

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

Graphical user interface, application, Teams

Description automatically generated

After entering the personal details and selecting the type toppings

Graphical user interface, application, Teams

Description automatically generated

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

Graphical user interface, application, chat or text message

Description automatically generated

Graphical user interface, text

Description automatically generated with medium confidence

User will receive the order confirmation mail

Graphical user interface, text, application, email

Description automatically generated

User can see the order summary in the application itself

Graphical user interface

Description automatically generated with medium confidence