**Mobile\_Lesson2: Developing food ordering applications for Android**

# **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.

# **Use Case Description:**

**My Order(e.g., Coffee):** Coffee ordering app

# **Programming elements:**

Basics of Android (Layouts, Views, and Intents)

# **Source Code:**

<https://umkc.box.com/s/5330lub3uwd8u8ggivarrh2mrvjnftd6>

# **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.

1. The main activity should contain submit button, pizza type, quantity, text field and checkboxes (make suitable changes for the **pizza** ordering app!).
2. Add two more options for the toppings.
3. Create the 'ORDER' and 'SUMMARY' buttons beside each other.
4. When clicked on the 'SUMMARY' button, the summary should display in a new activity in a List View
5. When clicked on the 'GO TO ORDER' button, the screen should navigate back to the order screen.
6. When clicked on the 'ORDER' button, the option to send an email with the summary of the order should be displayed as follows

**Note:** Use Image, Button, Spinner, Checkbox, Radio Views, and Relative/Linear Layouts for completing the task. And include an appropriate icon for the app

**References to help in ICP:**

<https://developer.android.com/reference/android/widget/Button.html>

<https://stackoverflow.com/questions/15859445/how-do-you-pass-a-string-from-one-activity-to-another>

<https://stackoverflow.com/questions/18146614/how-to-send-string-from-one-activity-to-another>

<https://developer.android.com/guide/components/intents-filters.html>

# **ICP Submission Guidelines**

1. ICP submission is an individual or Group contribution.
2. Submit your source code (comment your codes) and documentation to GitHub and represent the work through the report accurately (at least 250 words) (submit your screenshots as well. The screenshot should have both the code and the output)
3. Comment your code appropriately
4. Present your work to the TAs before you leave
5. Submission after the due date is considered a late submission. (Check the 'Late Submission Policy on Assignments' in the syllabus)
6. Use the related Canvas assginement submission; Assignments => ICP#

# **ICP Rubric Details**

You can find ICP Rubric Details in the Syllabus.

**Note:** Cheating, plagiarism, disruptive behavior, and other forms of unacceptable conduct are subject to strong sanctions under university policy. See detailed description of university policy at the following URL: <https://catalog.umkc.edu/special-notices/academic-honesty/>