Mobile_Lesson2: Developing food ordering applications for Android

Please do not forget to submit your feedback after the class. This feedback helps a lot in increasing the effectiveness of the course. Use the related Canvas survey to submit your ICP # and feedback

Lesson Overview:

In this lesson, we will discuss some basics of Android by working on layouts, views, and intents, thereby getting familiarized with the management system. Some elements of the Java language are also revisited through ICP.

Use Case Description:

My Coffee: Coffee ordering app

Programming elements:

Basics of Android (Layouts, Views, and Intents)

Source Code:

https://umkc.box.com/s/8sths9mahfyis0rntscwy45a1s2n642e

In Class Programming (ICP):

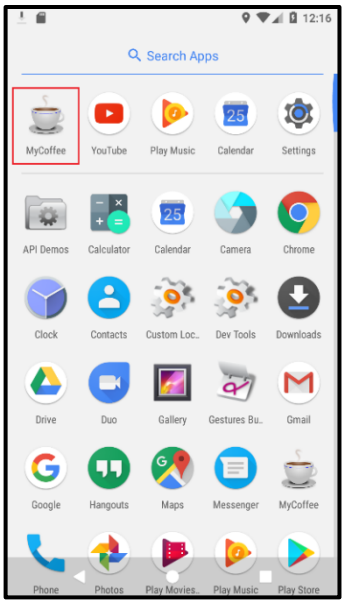
My Pizza: Pizza ordering app

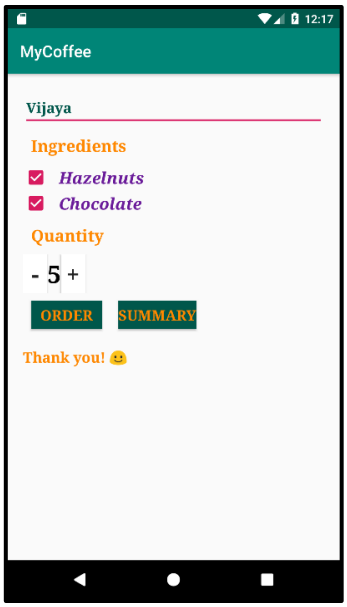
Understand the starter code given for ordering coffee and make a simple mobile application to order a pizza with the following requirements.

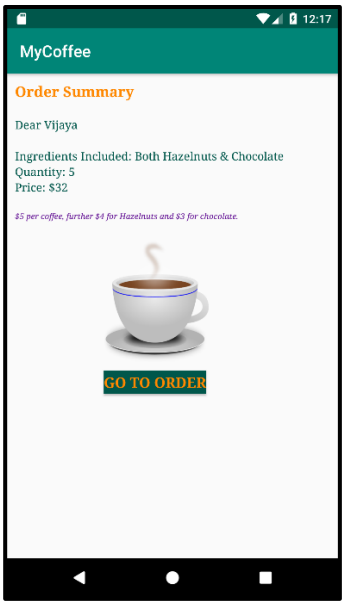
i. The main activity should look as below (make suitable changes for the **pizza** ordering app!).
ii. Add two more options for the toppings.
iii. Create the 'ORDER' and 'SUMMARY' buttons beside each other.
iv. When clicked on the 'SUMMARY' button, the summary should display in a new activity in a List 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

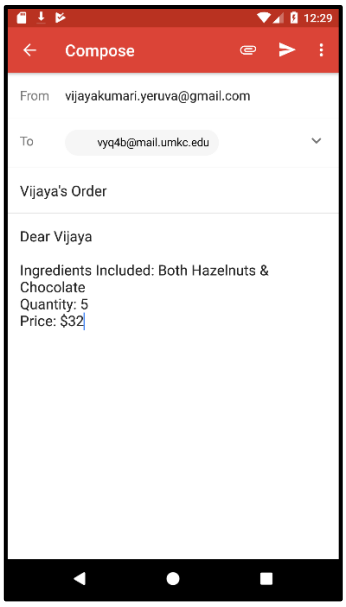
Note: Use Image, Button, Spinner, Checkbox, Radio Views, and Relative/Linear Layouts for completing the task. And include an appropriate icon for the app

Refer to the example output: Don't limit yourself to given example screens, and you can be more creative.









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 contribution
2. Submit your source code and documentation to GitHub and represent the work through the wiki page accurately (submit your screenshots as well. The screenshot should have both the code and the output)
3. Comment your code appropriately
4. Video submission (3 to 5 min video showing the demo of the ICP, with brief voiceover on the code explanation)
5. Submission after the due date is considered as a late submission. (Check the 'Late Submission Policy on Assignments' in the syllabus)
6. Use the related Canvas survey to submit your ICP # and feedback

ICP Rubric Details

You can find ICP Rubric Details in both the Syllabus and Canvas ICP assignment.

Criteria	Novice	Competent	Proficient
Wiki page (25)	Basic wiki page. (>=0 to <=5)	Wiki page with the required details. (>5 to <=15)	Wiki page with all details and making it easy to follow and understand. Visually looking good. (>15 to <=25)

Video (25)	Basic video. (>=0 to <=5)	Video with the required details. (>5 to <=15)	Video with all details and making it easy to follow and understand. Annotated with the subtitles. (>15 to <=25)
Completeness of given assignment (25)	It is partially solved. (>=0 to <=5)	Completely solved. (>5 to <=15)	It is solved efficiently. (>15 to <=25)
Code Quality (It is relative) (10)	Refer to the best coding practices page. (>=0 to <=5)	Refer to the best coding practices page. (>5 to <=8)	Refer to the best coding practices page. (>8 to <=10)
Commenting the code (10)	Not useful comments. (>=0 to <=5)	Slightly appropriate comments. (>5 to <=8)	Appropriate comments. (>8 to <=10)
Time of submission	Submission after the due date. Check the 'Late Submission Policy on Assignments' section in the syllabus	Submission on the deadline. No score will deduct from the obtained score.	Submission before the deadline. No score will deduct from the obtained score.
Submission (including feedback) (5)	Submission with partial details. (>=0 to <=3)	Submission with the essential details. (>3 to <=4)	Submission with all the details. (>4 to <=5)
Total	**Minimum = 0**		**Maximum = 100**

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/