

Project #5 (60 points)

Due Date: Monday, December 6, by 11:59pm.

Submission

- **Submit the zipped project folder** to Canvas.
 - Write a comment on Canvas identifying the API level and the AVD you used to run your app.
 - It is your responsibility to make sure the submitted zipped file includes all the files required to run your Android app. You will **get 0 points** if your app does not run.

Project Description

Develop an Android version of your Project 4. There is no restriction on how you design the GUIs, however, you must provide the same functionalities with Project 4, or **-2 points** for each improper implementation. Export of store orders is NOT required. You can modify the Java classes from Project 4 as needed.

Project Requirement

1. This is a **group assignment**. You **MUST** work in pair in order to get the credit for this program.
2. You **MUST** follow the Software Development Ground Rules, or **you will lose points** for not having a good programming style. For example,
 - Using magic numbers
 - Bad naming convention
 - Improper indentations
 - Long methods exceeding 40 lines (modularity)
 - Missing class comments and method comments.
3. You are NOT required to generate Javadoc for this project.
4. You must use **Toast** to display any messages on the device, or **-2 points**.
5. Your app must NOT have any “hardcoded text” warnings. In other words, you must define all texts in the **string.xml** resource file. **-1 point** for each violation, with a **maximum of 3 points off**.
6. You **MUST** define the launcher icon for your app, or **-2 points**.
7. You **MUST** define the activity titles displayed on top of the activities, **-1 point** for each violation.
8. You **MUST** define the parent activity for every activity in the manifest file, except the MainActivity, or **-1 point** for each violation.

System Testing

Your Android app must always run in a sane state. Your app must not crash under any circumstances. You are responsible to thoroughly test your app. You will **lose 2 points** for each exception not caught or malfunction, with a **maximum of 10 points off**.