

**Faculty of Engineering and Technology**

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| **Computer Science Department** |

Comp438 – Mobile Application Development

Assignment # 1

This is an **individual** work assignment. Your are asked to implement a complete Android app consisting of at least 3 activities. Your application should be in the **online shopping, buying and selling, or rent of goods** domain of any idea you feel beneficial. Of course this means that students will have different apps and no two will be the same.

Make sure your app has the following specifications:

1. The app should be complete, realistic, and functional.
2. User can browse, or search for specific items, and add them to **shopping cart**. After user finishes can **check out** and the order should be saved. When an item is sold, its quantity should be deducted.
3. Implement both constraint and linear layout managers.
4. Your search form should have different types of views such as image (for a logo) spinner, TextView, EditText, and Button, Radio, and Check Boxes, switches.
5. Should implement dynamic listViews with event handlers.
6. Should have centralized styles.
7. Your data comes from and saved to shared preferences.
8. Since you are free to design your own search entry form, no two students can have similar work in any case.
9. **If any similarity in work is found, or take from ChatGPT/AI, students will be directed to Disciplinary Committee (لجنة تأديبية**)
10. After you finish you project, you should upload it to **GitHub** and **send the URL to Ritaj**. **Other submissions will not be accepted.**
11. **Also, record a video of your app, not too long video, and upload it to your Google Drive and send the URL link.**
12. **Late Submission will not be accepted.**
13. Due Date: Friday, 18/4/2025 as a reply on **Ritaj assignment**.