Faculty of Engineering and Technology

Course Project

This is a group work; each group should consist of 2-3 members only. You are asked to implement a complete and functional Android application of the following domain:

Restaurant System:

A complete and functional restaurant system enabling customers and employees to use the application inside or outside (delivery) the restaurant.

Main use cases (you need to add more):

- Brows menu items by customers.
- Placing an order from the menu by customers.
- Notifying the service employees and chefs of new orders.
- Customer can monitor order status.
- Restaurant Manager can see reports about the orders, customer satisfaction or complaints, profits, etc.
- Golden customers can get discounts or free delivery.
- If the customer orders for deliver, the delivery employees are notified when order is ready to pickup.

Technical Specifications

Your app should apply the following Android features:

1. Should have a variety of layouts, such as Linear, constraint, and Relative layouts.

2. Should apply **Recycler Views** were possible.

3. Should apply **ListViews**.

4. Should have a large variety of UI Views, such as dynamic Spinners, buttons, TextViews, EditText, Switches, ScrolViews, Date and Time Pickers, Dialogues, etc.

5. Should apply threads whenever possible to ensure app responsiveness.

6. Should take advantage of local storage using shared preferences were possible.

7. Correct **Lifecycle** management.

8. Correct change of orientation management.

9. Centralized styling using **styles.xml**

10. Centralized strings for UI using **strings.xml**

11. Major part of your app should be reading/writing data to MySQL Database through REST Php services, using Volley.

12. Each group member should have his/her own work in the project clearly identified.

13. **If any similarity in work is found, students will be directed to Disciplinary Committee (لجنة تأديبية)**

14. After you finish you project, you should upload it to **GitHub** and **send the URL to Ritaj**. Also provide a link to a 5-7 minutes video to your app. you can upload the video to your Google Drive for example, and send the link.