Ain Shams University Faculty of Engineering			University of East London

Ain Shams University
Course Project

Course Project: Wagba Application (15%)

Introduction

Wagba is a food delivery application designed to facilitate food delivery service to customers. Wagba can deliver meals door to door anywhere and anytime. In this version of the application, we'll create a customized version for Faculty of Engineering Community at Ainshams University. We'll focus on restaurants around Abdu-Basha and Abbaseya square. Users must sign in with an active account @eng.asu.edu.eg to build a trusted closed community. Wagba has a revolutionary strategy in recruiting workers and operating the service. Wagba is operated by students for students. To regulate the service in this pilot project, there will be only two delivery points Gate 3 and 4 and two delivery times 12:00 noon and 3:00 pm for faculty of engineering campus. Customers who need a delivery at 12:00 noon must place an order before 10:00 am. Customers who need a delivery at 3:00 pm must order before 1:00 pm.

App Description/Requirements:

In this project, you will develop a food delivery App. The minimum app requirements are:
- login page with sign up option using firebase authenticate. There should be a test account credentials with login information submitted with the app for testing
- List of available restaurants that contains at least 10 restaurants. The list should be designed using recycler view.
- List of at least 4 dishes per restaurant presented in a recycler view with price and availability.
- A cart page to review the order and make payments.
- Order History with tracking/status page
- Use Firebase real-time database for restaurants/dishes/and order status.

- Use Room database for profile data
- Payment and order tracking page.
- Web application for restaurants to confirm orders and update tracking data. Order must be confirmed before 10:30 for noon delivery and before 1:30 for 3:00 pm delivery.

A full list of the requirements is outlined in the marking rubric table below.

Project Submission Instructions

Submit two incremental versions of the project PDF reports to LMS.

a. **The first milestone** would be the full layout of the app design in XML.
You should copy the XML code in a Word file, add screenshots of the layout of all activities/fragments, and list the components used in the layout. Following that, convert the file into PDF and submit it on LMS.

b. **The second milestone** is the basic function of the application of sign-up/login page, restaurants and available meals. The Java/Kotlin code should be copied in a Word file, add screenshots of the layout, and list the testcase scenarios. Following that, convert the file into PDF and submit it on LMS.

c. **Final Delivery** A full functioning application with all requirements as listed in the rubric. The Java/Kotlin code should be copied in a Word file, add screenshots of the layout, and list the testcase scenarios. Following that, convert the file into PDF and submit it on LMS.

File submission

1. Upload the final project report as a PDF along with the project workspace to LMS.
2. Create a 2-minute video demo of the application and post it on the course channel
3. Demonstrate your app to your lab/course instructor

Marking Rubric
Your mark will be determined by the level of functionality you achieve for your app

Component	Marks	Description
Milestone 1	25	All bare basic requirements of the first milestone. A full layout of the app design in XML must be submitted on time.
Milestone 2	25	All requirements of the second milestone, including fully functioning sign-up/login page, restaurants and available meals.
User Interface quality	50	A fully functioning application. - login page with sign up option using firebase authenticate. There should be a test account credentials with login information submitted with the app for testing - List of available restaurants that contains at least 10 restaurants. The list should be designed using recycler view. - List of at least 4 dishes per restaurant presented in a recycler view with price and availability. - A cart page to review the order and make payments . - Order History with tracking/status page - Use Firebase real-time database for restaurants/dishes/and order status. - Use Room database for profile data - Payment and order tracking page. - Web application for restaurants to confirm orders and update tracking data. Order must be confirmed before 10:30 for noon delivery and before 1:30 for 3:00 pm delivery.
TOTAL	**100**	