



BAHRIA UNIVERSITY (KARACHI CAMPUS)

Open Ended Lab II – SPRING SEMESTER – 2023

Software Application for Mobile Devices

Class: **BSE-6B**

Course Instructor: **Engr. Adnan Rehman**

Morning

Lab Instructor: **Engr. Muhammad Rehan Baig**

Max Marks: 6

Student's Name: _____

Reg. No: _____

Note: Probability of similarity is 0% copied and similar solutions will be marked as zero.

Scenario

Govt has started a **KPak** project based on city situation. **KPak** which is working on a new mobile application for **Crime and Disaster Management**. The application aims to provide a comprehensive set of features for both citizens and emergency response teams. Main roles in this application: Citizen and Emergency Responder.

Roles:

1. Login/Signup for both roles

Citizen Functionalities:

2. The citizen can report crimes or disasters by sending a distress signal through the application.
3. Whenever a citizen sends a distress signal, the emergency responders will be notified through the application and receive the citizen's location.
4. The citizen can view nearby emergency services, such as police stations, fire stations, and hospitals, on a map within the application.
5. The citizen can also access safety tips and guidelines in case of emergencies.

Emergency Responder Functionalities:

1. Emergency responders, such as police officers, firefighters, and paramedics, can access real-time distress signals from citizens on a dedicated dashboard within the application.
2. When a distress signal is received, the responder will receive the citizen's location and relevant details to provide immediate assistance.
3. The responder can update the status of the distress signal, such as "En route," "On the scene," or "Resolved."
4. The application also provides emergency responders with access to a database of crime and disaster-related information, including previous incident reports, response protocols, and contact information for other agencies.

These functionalities are all included within a single application. Citizens can download and install the application on their mobile devices, while emergency responders will have their dedicated access.

Imp Note: Create Dummy Data where needed Also add validations where needed.

Every point is important. Read the given scenario carefully to perform this Open-Ended Lab.