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**1. Abstract**

This project is about creating a helpful mobile app for the people of Kurigram. In many situations like emergencies or daily needs citizens struggle to find reliable information. Important services such as doctor contacts, ambulance numbers, transport schedules, blood donors, or rental housing are often scattered across Facebook posts, printed posters, or word-of-mouth. That’s confusing and unreliable.

Our goal is to make life easier by putting all this essential local information into one easy-to-use app. Whether someone needs a doctor, wants to find a nearby bus, or is looking for a blood donor in an emergency, they’ll be able to find it in seconds.

The app is built using **Flutter** (a mobile app framework) and **Firebase** (a backend system for storing data). It works in **real-time**, so new updates appear instantly.

**2.Objectives**

**Primary**: Develop a cross-platform mobile app to connect Kurigram citizens with verified public service data.

**Functional Objectives**:

* User login and role-based access (User/Admin)
* Add/view/search service data (health, transport, rent, etc.)
* Admin approval for sensitive or public content
* Feedback and rating functionality

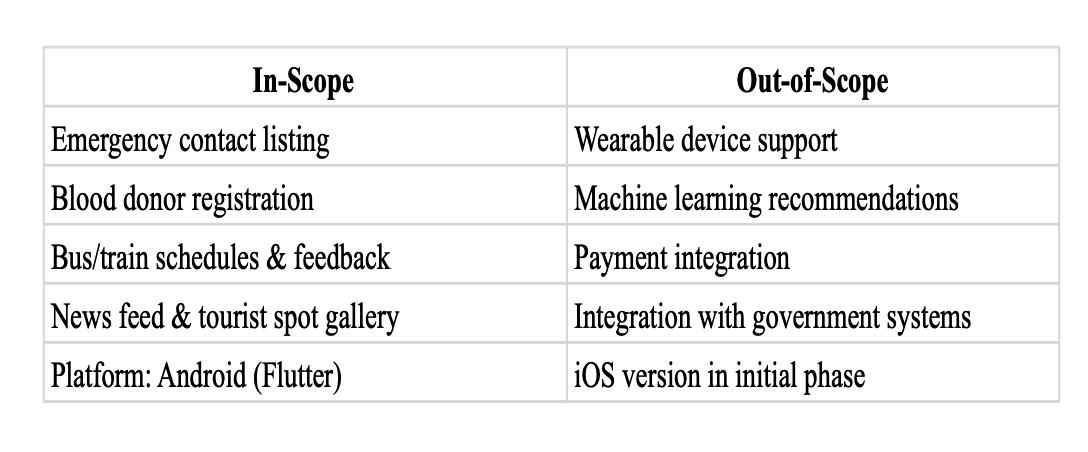
**Non-Functional Objectives**:

* Response time under 2 seconds
* Secure authentication and data validation
* Offline support for emergency module
* Compatible with low-end Android devices

**3.Problem Statement**

People in Kurigram often can’t find important service information like doctors, blood donors, transport, or emergency contacts. Information is scattered in social media, posters, or word-of-mouth — making it hard to trust or access quickly. There’s no proper app that puts everything in one place.So, we are making a simple mobile app to help citizens see and share local service info easily in Bangla or English. This will save time, improve public help, and make Kurigram smarter.

**4. Scope**

****Table: Table of Scope

**Included Services:**

• Emergency Services (Police, Fire, Ambulance)

• Doctors & Hospitals

• Blood Donor List

• Educational Institutes

• Hotels & Restaurants

• Courier Services

• Transport Info (Bus, Train)

• Electricians & Mechanics

• House Rent Information

• Loans & NGOs

• Kurigram News

• Tourist Attractions

**5. Methodology**

* **Process**: Agile   
  **Version Control**: GitHub
* **Project Planning:** Trello
* **Communication:** Discord
* **Diagramming:** PlantUML, Draw.io
* **Design Tools:** Figma,Canva

**6. Technology Stack (Mobile App)**

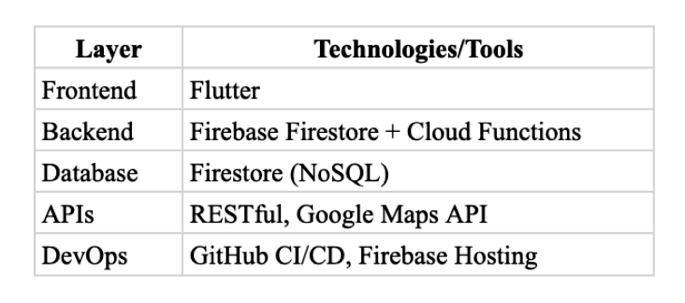
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Table: Table of Technology Stack

**7.Design Principles**

* **Material Design**: Clean, modern UI using Google standards.
* **Responsive Layout**: Works on all screen sizes.
* **User-Friendly**: Easy navigation, Bangla-English support.
* **Low-End Device Ready**: Optimized for slower phones.
* **Cross-Platform Ready**: Android now, web/iOS later.
* **Documentation**: Clear guides for users and admins.

**8.Visual Models:**

**8.1 Flow chart**

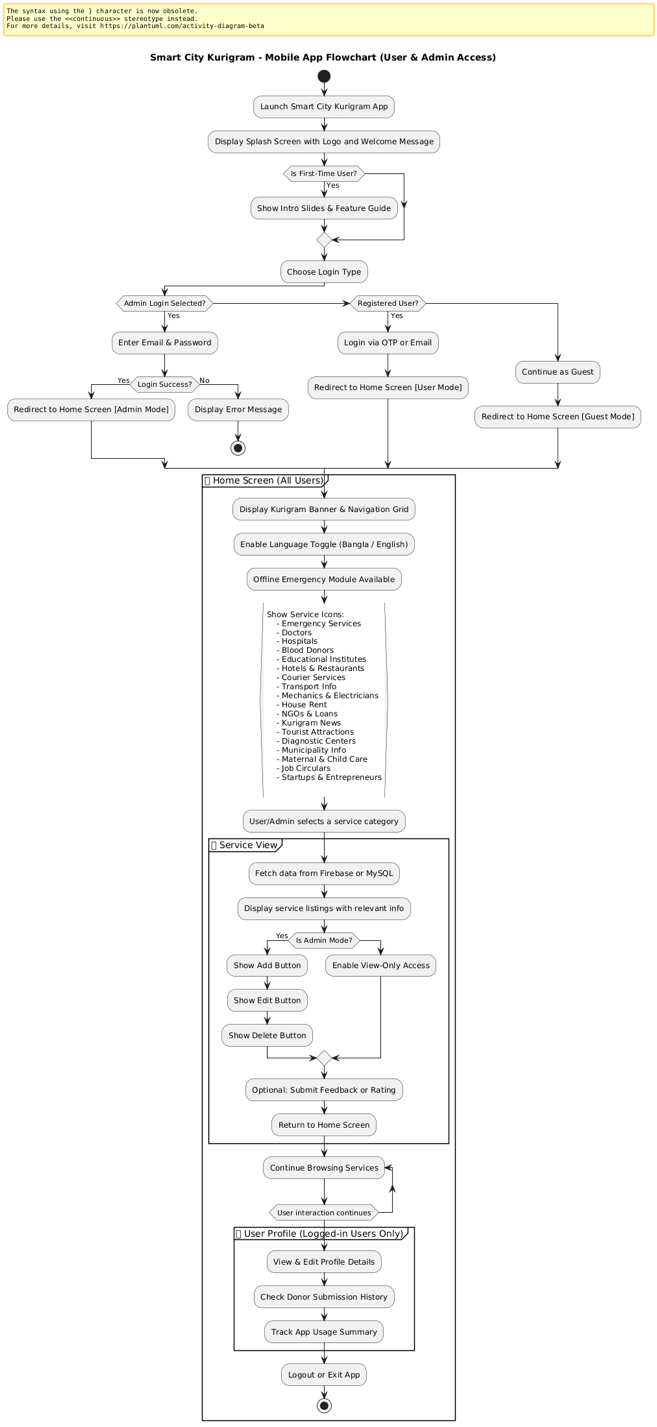


Fig: Flow chart of Smart City Kurigram

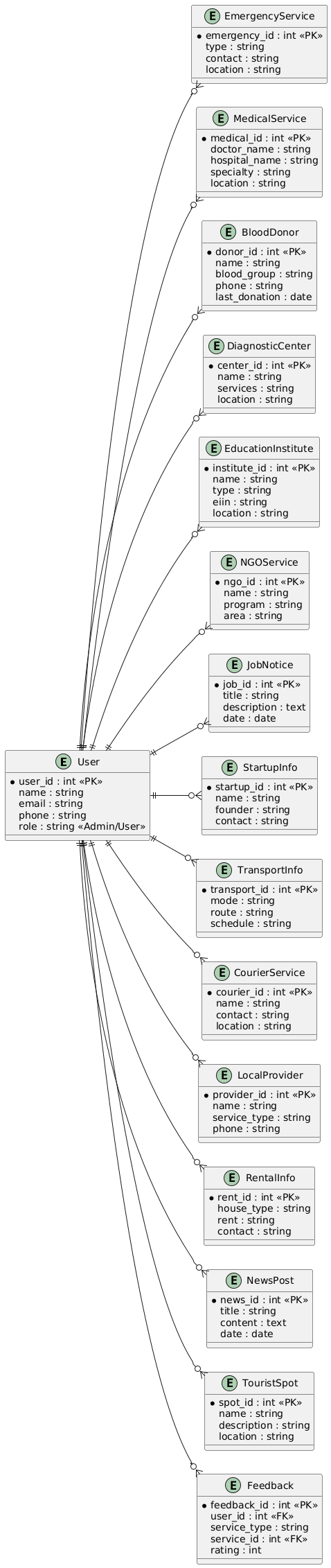
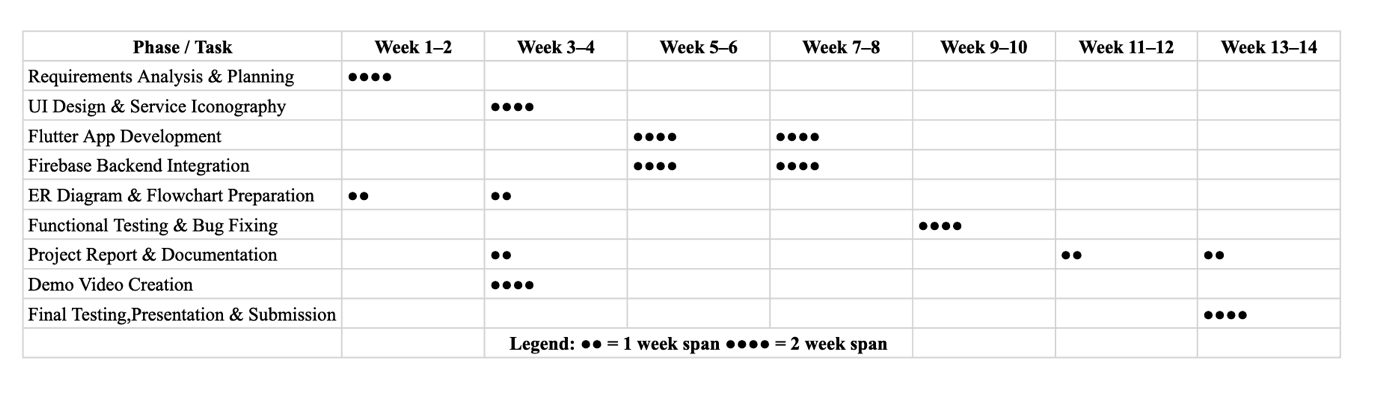
**8.2 ER Diagram**

Fig: ER Diagram of Smart City Kurigram

**9.Timeline (Gantt Chart)**

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**10. UI/UX Design**

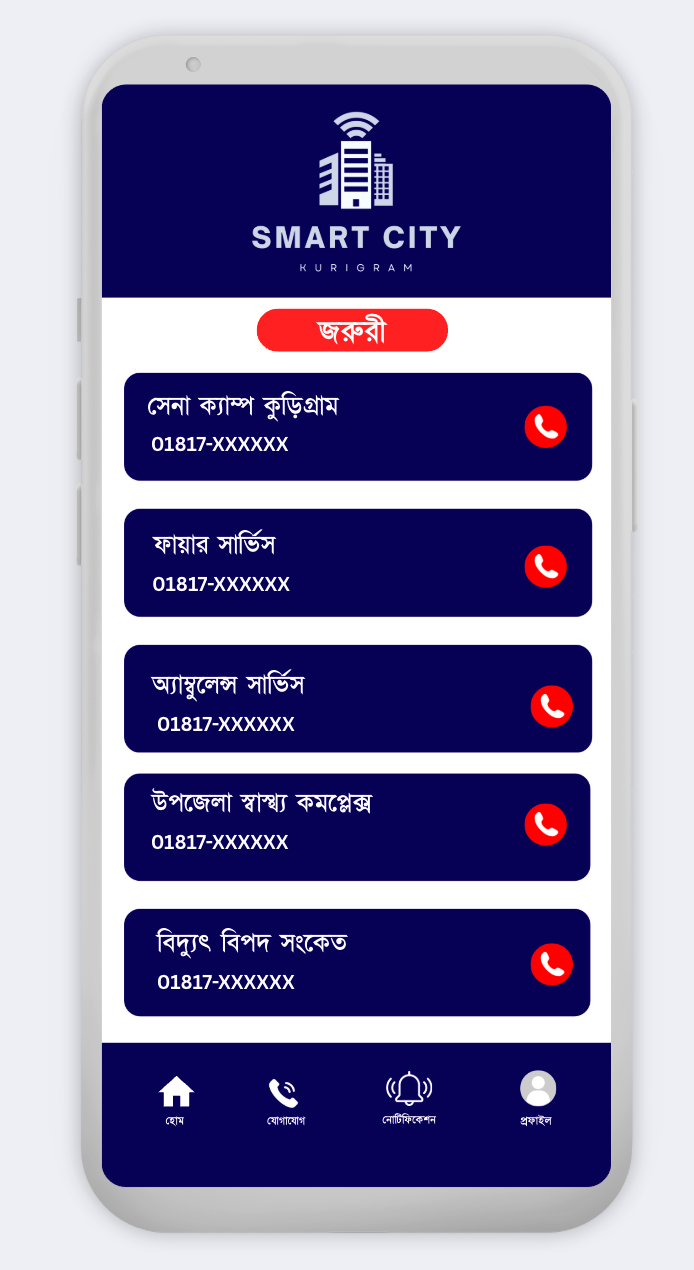


Figure : UI Mockups of Smart City Kurigram (Home Page). Figure :Emergency page



Figure :Bus Schedule page

**11. Risk Analysis**

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**12. References**

* Flutter Docs: <https://flutter.dev/docs>
* Firebase Guides: <https://firebase.google.com/docs>
* Project GitHub Repo (if available): [Insert URL]
* Clean Code by Robert C. Martin