CITYSCAPE - FUNCTIONAL REQUIREMENTS

SWE 4402
Software Requirement and Specification

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CityScape - A Smart City App for Gazipur

Based on the background of the development that focuses on the crucial aspects of the CityScape Application, these could be the functional requirements

0.1 Functional Requirements

1. **Authentication Management System:** Specific authentication system for residents, tourists and officials.

2. **Transportation Management System:** Allows users to check the routes, fare, booking and schedules.

3. **Utility Management System:** Allows users to pay utility bills, track usage, report issues and see notices.

4. **Network Management System:** Allows users to access internet and telephone services.

5. **Administration Management System:** Ensuring city services, taking actions based on reports.

6. **Community Management and Feedback:** Allows survey and forums for residents to communicate with the officials for projects.

7. **Education Management System:** Allows user to check admission notices, scholarship availability, tuition fees for schools and colleges.

8. **Hospital Management System:** Allows users to check hospital availability, doctors and different units.

9. **Emergency Update Portal:** Any real-time emergency updates regarding city services and natural disasters.

10. **Tourist Assistance System:** Interactive maps highlighting and language translation system for tourists.