

UNIFIED MODELLING LANGUAGE DIAGRAMS

For

Road Repair and Tracking System

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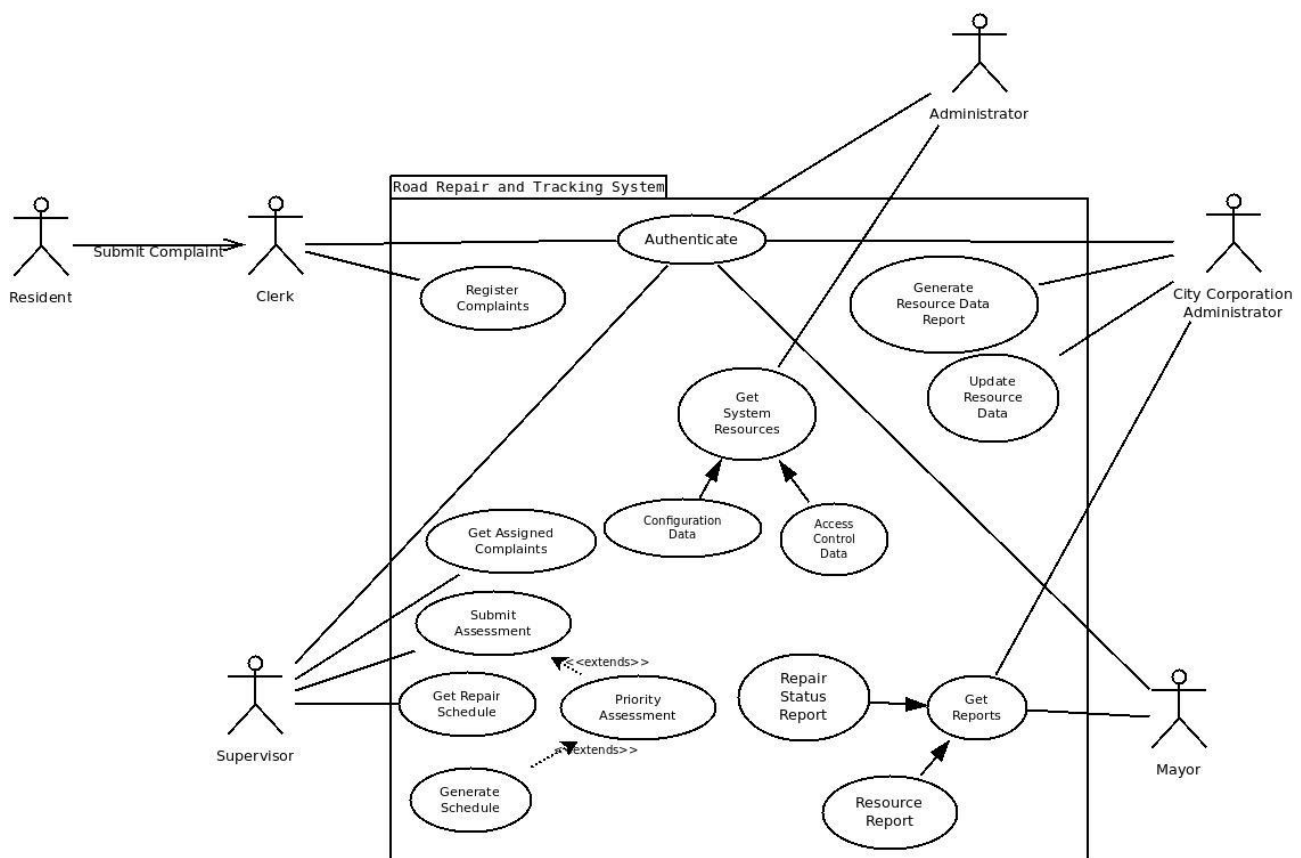
1. Introduction

This document presents the UML diagrams for the Road Repair and Tracking System (RRTS) project. The diagrams included are designed to provide a visual representation of the system's structure and interactions. The system is aimed at automating the road repair process, from complaint logging to resource management and reporting. These diagrams will aid in understanding the system's key components, user interactions, and relationships between various entities involved.

The two UML diagrams covered in this document are the **Use Case Diagram** and the **Class Diagram**.

2. Use Case Diagram

The use case diagram illustrates the interactions between the users (actors) and the system, capturing the various functionalities that the system offers. It provides a high-level view of how different user roles, such as clerks, supervisors, administrators, and the mayor, interact with the RRTS to perform tasks like complaint management, scheduling, and report generation.



3. Class Diagram

The class diagram represents the static structure of the RRTS. It highlights the various classes, their attributes, methods, and the relationships between them. The diagram provides a detailed view of

how the system components like Users, Complaints, Supervisors, Machines, and Materials are modelled and interact within the system.

