

UNIFIED MODELLING LANGUAGE DIAGRAMS(INTERACTIONS)

For

Road Repair and Tracking System

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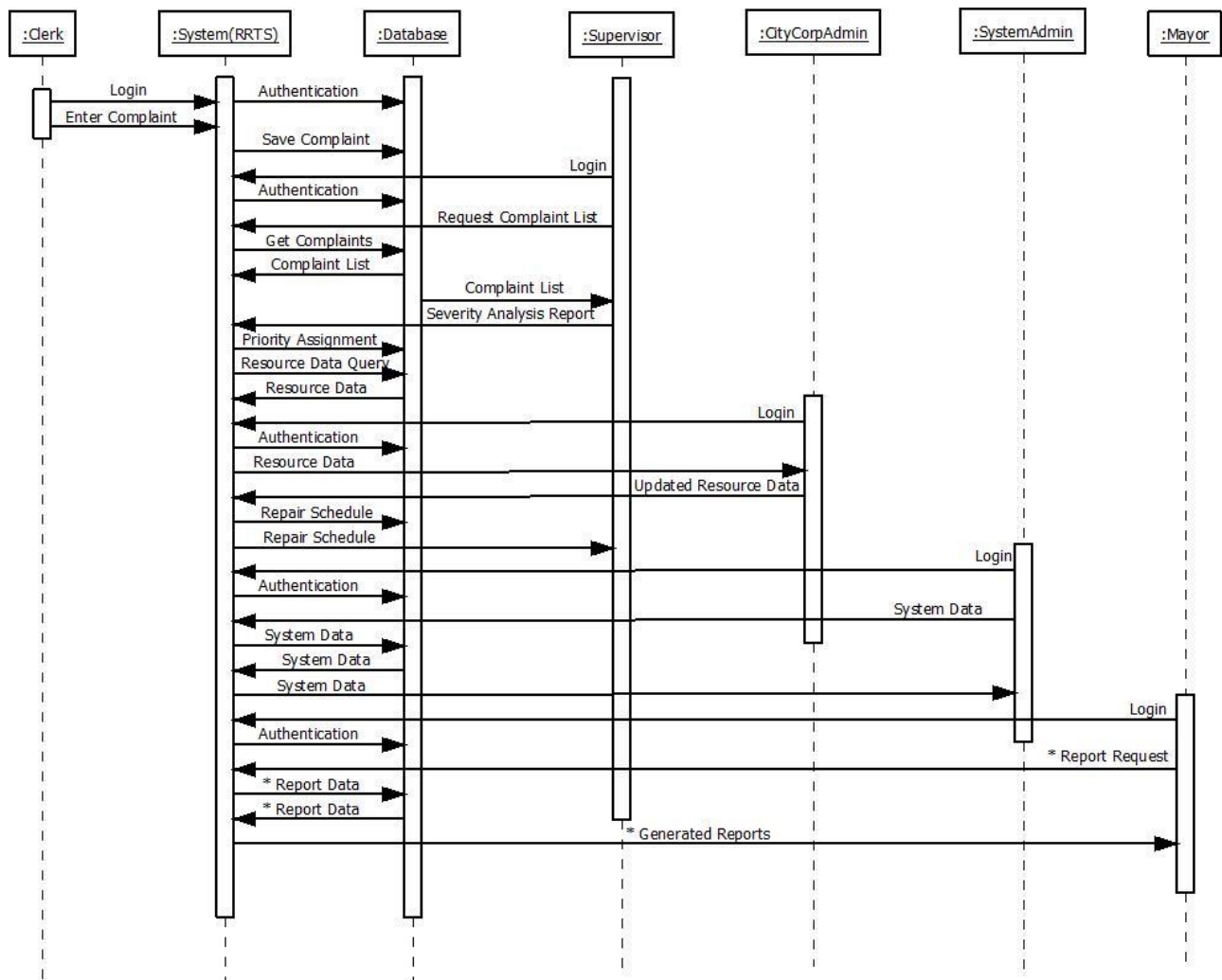
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1. Introduction

This document provides a visual representation of the **Sequence Diagram** and **Collaboration Diagram** for the Road Repair and Tracking System (RRTS). These diagrams illustrate the interactions between various system components and actors, showcasing how complaints are logged, resources are managed, and repairs are tracked within the system. The purpose of these diagrams is to provide an in-depth understanding of the internal workings and collaborations that ensure smooth functioning of the RRTS.

2. Sequence Diagram

The Sequence Diagram details the step-by-step interactions between system actors (Clerk, Supervisor, Administrator, and Mayor) and the core components of the RRTS. This diagram focuses on the order of message exchanges, showing how tasks such as complaint logging, repair scheduling, resource management, and reporting are performed over time.



3. Collaboration Diagram

The **Collaboration Diagram** for the RRTS outlines how different system objects and actors interact to accomplish the primary tasks in road repair management. Unlike the sequence diagram, which focuses on the time aspect of interactions, the collaboration diagram emphasizes relationships between system components.

