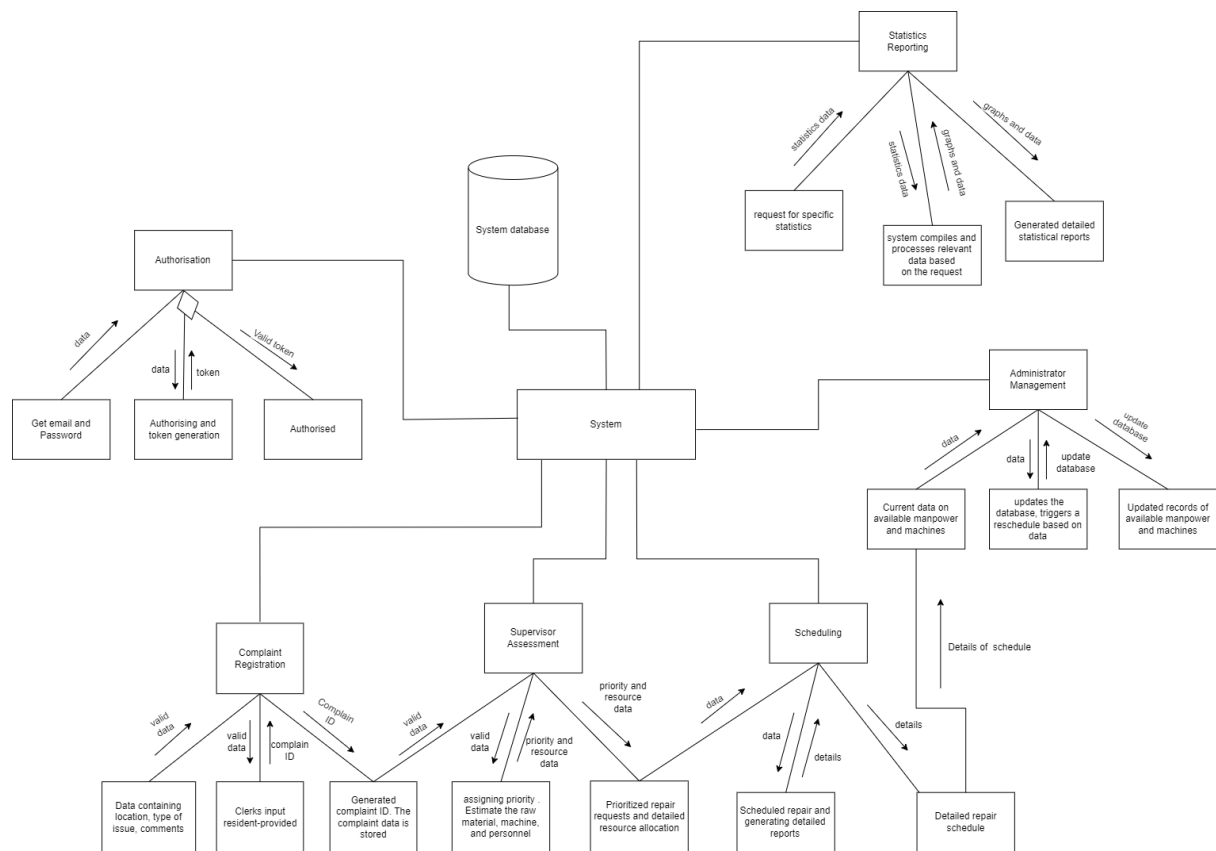# Structure Diagram
For
Road Repair and Tracking System (RRTS)

Prepared By: Naveen Kumar Khuntey (121CS0176)
Submitted to : DR. Judhistir Mohapatro, Professor
Software Engineering Lab - CS3074

Date: 30 Jan 2024

Link to the diagram :
https://drive.google.com/file/d/12hMKhXX56kbCd3UPMePyZvbb0pn-
c25N/view?usp=sharing

System database

Authorisation

data

data | token

Valid token

Get email and Password

Authorising and token generation

Authorised

System

Complaint Registration

valid data

valid data | complain ID

Complain ID

valid data

Supervisor Assessment

valid data

priority and resource data

priority and resource data

Data containing location, type of issue, comments

Clerks input resident-provided

Generated complaint ID. The complaint data is stored

assigning priority . Estimate the raw material, machine, and personnel

Prioritized repair requests and detailed resource allocation

Statistics
Reporting

statistics data

statistics data

graphs and data

graphs and data

request for specific
statistics

system compiles and
processes relevant
data based
on the request

Generated detailed
statistical reports

System

Administrator
Management

data

data

update
database

update
database

Current data on
available manpower
and machines

updates the
database, triggers a
reschedule based on
data

Updated records of
available manpower
and machines

Scheduling

Details of schedule

data

data

details

details

Prioritized repair
requests and detailed
resource allocation

Scheduled repair and
generating detailed
reports

Detailed repair
schedule