Team Members:

* Ibrahim Abou Zahr
* Yehya Fleifel
* Mohamad Abdel Rahman
* Ali Al Yaman

**Project Title:** Road Management System

**Project Significance:**

Maintenance of roads, streets and to make sure that city hall policies are being applied properly and accordingly by the reports that are being posted and sent by local civilians after encountering the min nearby neighborhoods. This includes reports such as waste detection, broken lights, road depreciation, sinkholes…etc. Ensures to establish a strong connection between the municipality and the local people. Of the given country or district. Ensures the safety of people passing by such problems and creates a clean and authentic living environment on the streets of our beloved community. Creates a safe and secure community between district managers and the local individuals to cooperate in solving street issues.

**Problem Statement:**

* Street ignorance is a common problem that is faced in people’s daily lives, especially the formulation of sinkholes on local roads which can lead to accidents or collateral damage to cars.
* Thrown garbage on the sidewalks of streets has led to many unhealthy consequences such as creating a bad environment for people and animals and may create diseases.
* Broken street lights which is a very dangerous offense and may lead to deadly consequences and must be reported immediately
* Lack of manhole covers inn streets due to theft and vandalism which would creat e a very fatal error especially for motorcyclists.

**Project Goal:**

The Road Management System project aims in solving all road problems which were mentioned in the problem statement. To put it more simply this software aims:

* Creating a save environment for drivers and cars on roads.
* Solving the garbage problem left on streets.
* Making streets at night more secure and visually appealing.
* Building a community that looks in to improving their city’s maintenance.
* Making a secure system for all users.

**System and Domain Review / Background:**

**FixMyStreet** is an existing system in the UK which is similar to the project’s aim and purpose. This system has many strengths such as:

* Pretty straightforward system that is simple to use and access.
* Has a report section which shows user’s live reports daily.
* Implements a direct user to council interaction.
* Daily responsive updates on reports posted.

However, with the strengths of **FixMyStreet** listed, it also has plenty of noticeable weaknesses such as:

* Lack of an interactive community between users, civilians and council managers.
* Dull and uninteresting UI.
* Limited freedom of users to inquire about reports.
* Reports may seem unclear in images at times.
* Lack of authenticity and reliability of reports.

**The Road** **Management** system will ensure to encompass all strengths and work on the weaknesses found by the alternative system. This will make sure to make this system stand out from its competitors and to be the go-to app for such problems.

* By making a more secure software for users.
* Keeping reports more legitimate to view.
* Designing a more appealing UI.
* Creating a fruitful community between people and city councils.
* Maintaining a user friendly software that anyone can rely on for such reports.
* Creating a more welcoming software for newcomers.