DATABSE ON POTHOLES

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Introduction:

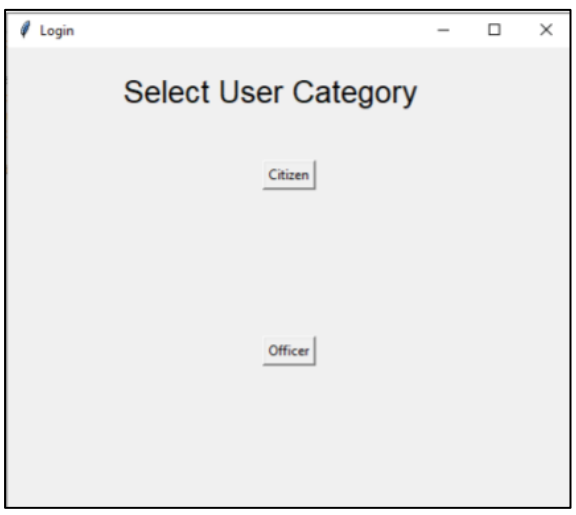
The roads in India are still filled with potholes. During rainy season, these potholes act as breeding place for many disease-causing vectors and also can be fatal if any over-head electric cables fall down inside them. Potholes can reduce strength of the roads and increase expenses spent on roads. The efficiency and strength of vehicles will be reduced if they travel over them.

Scope of the project:

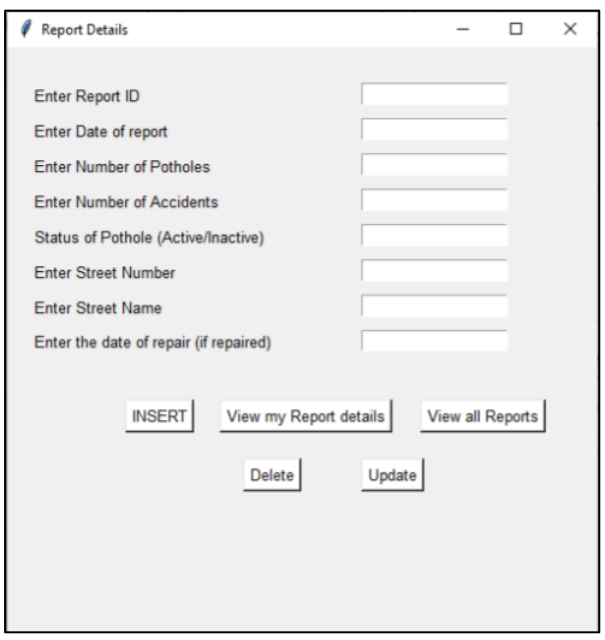
The motive of this project is to organize information about pothole reports and officers. This database can help officials to organize their work. The project can allow citizen to report about potholes in their area at the earliest.

Implementation:

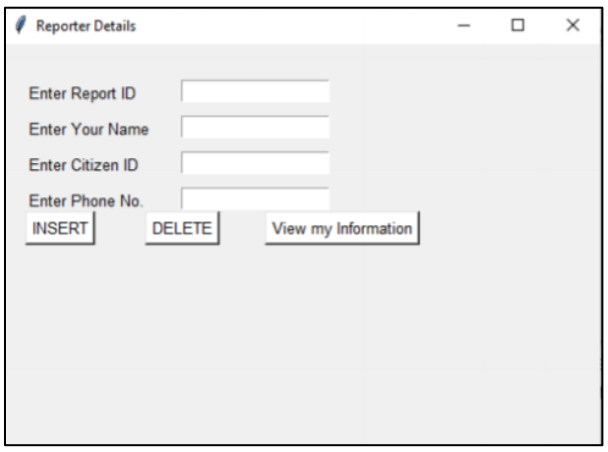
1. Front end allows two login features one for common people and for officer.



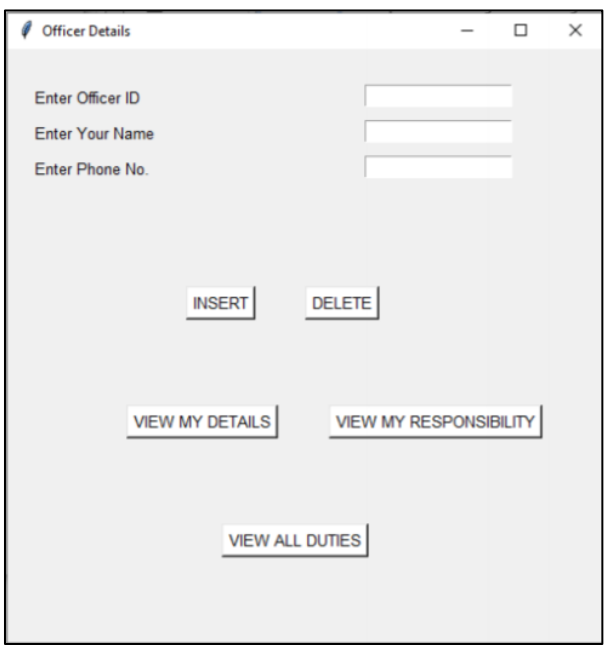
2. The below screen can enter, update, delete and display the report details.



3. This window takes in reports from reporter and delete them as well. It can also display the reporter details.



4. This screen can enter, update, delete, display and show the duties of officers.



Result:

As a team, we were able to implement our idea as a frontend connected to the database. The frontend functions with full potential, and is able to do all basic DML commands on the database. The frontend can also fetch and display particular records from the database.

Conclusion:

The method of creating database using SQL is easy and consistent. And using python for frontend is the ideal way, despite of the errors in the initial stage of creation. The easy syntax of SQL and python allows to create database and also to connect it to a frontend in minimum time possible.

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References:

- Google
- YouTube