Mobile app recommendation

Name of student

Name of professor

University

Course

Date

**Estate Security**

**Introduction**

Security is a big issue among estate dwellers and residents especially in urban centers. Usually needs rise and occur where there is need to curb insecurity of the residential places and apartments. One way to achieving this is by having a mobile application where users can log in to and report the different cases that they have. This allows the security agencies responsible for the different regions to effectively come in handy and solve such a menace. In reality therefore, crime combat is something that can then be achieved digitally with the use of intelligent data.

**The app**

This mobile app is targeted for use in almost all the versions of the android, IoS and windows platforms.

**Rationale of the system**

This application is viable since:

* Currently there is no app as such so its unique
* This app will help increase security within the estates

**Objectives of the app:**

* To help identify crime hotpots in the area
* To help security enforcement officers curb crime areas
* To create awareness among community stakeholders on the crime status of the areas
* To help the government in planning and scheduling security issues

**System requirements;**

In order to successfully build this app, the following requirements are needed:

**Users:**

These are the system users who are required. They include:

* Developers
* Managers
* Financiers

Each and every user plays an important role in ensuring that this app meets the required objectives and standards as per assigned. However, the software engineer carries the overall spoke of this project since he/she will code the app.

**Infrastructure**

These include physical infrastructure like disk server space, database systems, computers and the computer requirements

**Data acquisition, use and processing;**

The app will use structural database system that picks data, stores it and then processes it for use and reporting. There are quite a number of database applications out there and structured database systems for the purpose of this project is more viable as it will enable easier analysis of the required customer data and creating views as well.

The database will have several table classes that include:

* Members table
* Crime table
* Crime category
* Partners table
* Partners category table
* Status table
* Roles table
* Feedbacks table

Each and every table in the database serves a particular role and activity. For instance, a crime category can be like bribery, which is not a bigger crime, but should still reported. Further, there are primary and secondary keys in this table that can be used to reference each table and join datasets accordingly in each and every of these classes.

The data shall be stored in hierarchical manner and can always be accessed. Further to this, this data can be used for machine learning pursues and be used also to predict the next area or estate where crime is likely to happen next.

**Limitations of this application**

The crime insights identified form the app are only as useful as the government that shall act in the data.

Prediction algorithms will take some time in order to learn from the data.