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**Task 2.** Assume that your Capstone Project is completely functional. As a System Administrator, you must maintain, monitor, evaluate, assess, and improve that system. Accomplish the following tasks INDIVIDUALLY.

List at least five (5) for each of the following, briefly discuss.

### 1. Purpose of the Project

- The projects purpose is to maintains an online conflict resolution system, guaranteeing effective case processing, and its current functionality.
- Fix previous developers bugs or non functioning modules.
- Ensures all modules and function are working properly and add features requested by DILG
- Provides technology to barangay officials particularly members of Lupon Tagapamayapa, to improve recording, improve case management, and effectively distribute resources.
- Ensures a stable, secure web platform with reliable access to tools and data for effective dispute resolution, supported by regular updates and technical support.

### 2. Scope of the Project

- The EKP system streamlines the process of filing and storing complaints digitally, replacing the manual procedures traditionally used in barangay justice systems.
- The EKP system synchronizes data in real-time with a central database.
- The Notification Module alerts users about important updates such as hearing dates and case modifications, helping officials stay on top of schedules.
- The EKP system includes a Data Analytics Module that provides graphical representations of case dynamics, helping barangay officials track case progress and make informed decisions efficiently.

### 3. Limitations of the Project

- Because of its dependency on old technology, the EKP system may be more difficult to optimize
- Data entered in this mode won't sync with the central database until the internet is restored, causing delays in real-time updates.
- EKP cannot access complaints filed before its implementation, leading to a lack of continuity in historical data.

- The Notification Module doesn't support SMS alerts, limiting accessibility for users who rely on text messaging for updates.
- In barangays with poor internet connectivity or inadequate technology infrastructure, the system's adoption and effectiveness may be significantly reduced.

#### **4. Problems you have foreseen in the future**

- The EKP system may face difficulties running on newer hardware or devices as technology advances.
- Lack of cybersecurity knowledge.
- Remote barangays with poor or inconsistent internet access may face difficulties using the system's real-time synchronization and online functionalities.
- Users, particularly barangay officials, may struggle to adopt the system due to limited training or resistance to digital tools.
- As the number of users and cases grows, the system may experience performance issues such as slow speeds, limited storage, or crashes if it cannot handle increased demand.

#### **5. Solutions to problems you have foreseen**

- Implement ongoing system updates to ensure compatibility with newer hardware and operating systems, maintaining optimal performance on modern devices.
- Hire or invest in a cyber security expert
- Explore hybrid solutions like an offline mode that allow for partial functionality in areas with limited or unstable internet access.
- Training sessions for barangay officials and users to familiarize them with the EKP system's features.
- Invest in scalable infrastructure, such as cloud-based server

**Assignment 2.** Identify the equivalent users of your project for the following types of users. If not applicable, please explain.

1. Guest User: None, because the BGRY secretary is in responsible of using the EKP system; guess users or someone would only need to provide the data that the BRGY secretary inputs into the system. It is a restricted-access website.
2. Standard User: BGRY secretary/lupon has the most system power and has the ability to create an account. Some of them are monitoring the annual number of cases and adding, modifying, and archiving cases. including reports, etc.
3. Admin User: The municipal mayor can unlock, deny, or edit an account created by the BRGY secretary. After he opens it, he can view a report of that BRGY secretary's account or lock it again by going to the Secretaries Corner tab.
4. Superuser: The cluster head(ch) can view the registered municipalities and manage them. can also see each municipality's monthly report.