**1. Stock Maintenance System**

**1. Introduction**

**1.1 Purpose of this Document**

This document delineates the requirements and specifications for the development of a Stock Maintenance System (SMS) to facilitate efficient management of stock inventory and streamline related processes.

**1.2 Scope of this Document**

The document outlines the objectives, scope, and functionality of the SMS, encompassing anticipated benefits, development costs, and timeline.

**1.3 Overview**

The SMS aims to assist organizations in effectively managing stock inventory, tracking stock levels, facilitating replenishment, and optimizing stock-related processes.

**2. General Description**

The SMS will include modules for stock tracking, inventory management, order processing, reporting, and user management, catering to organizations of various sizes and industries.

**3. Functional Requirements**

* Ability to add, update, and delete stock items.
* Tracking of stock levels, including real-time updates on stock availability.
* Order processing functionality for placing and fulfilling stock orders.
* Inventory management features, including categorization, tagging, and batch tracking.
* Reporting capabilities for analysing stock levels, order history, and inventory performance.

**4. Interface Requirements**

The SMS will provide user-friendly interfaces for stock managers, warehouse staff, and administrative users, accessible via web browsers or desktop applications. Integration with barcode scanners and other inventory management tools will be facilitated.

**5. Performance Requirements**

The system should efficiently handle stock data processing, ensuring real-time updates and accurate reporting. Response times for stock-related operations should meet defined performance standards to enhance operational efficiency.

**6. Design Constraints**

The SMS must adhere to industry standards and regulations for data security, privacy, and inventory management. Scalability and compatibility with existing systems and hardware should be considered to accommodate future growth and technological advancements.

**7. Non-Functional Attributes**

Key non-functional attributes include security, scalability, reliability, usability, and performance. The system should prioritize data integrity, system availability, and user satisfaction to enhance overall usability and efficiency.

**8. Preliminary Schedule and Budget**

Initial estimates for the SMS project include a development timeline of four months and a budget of $400,000, covering resources, infrastructure, and other expenses.

**2. Passport Automation System**

**1. Introduction**

**1.1 Purpose of this Document**

This document outlines the requirements and specifications for the development of a Passport Automation System (PAS) to streamline passport application and issuance processes, enhancing efficiency and user experience.

**1.2 Scope of this Document**

The document defines the objectives, scope, and functionality of the PAS, along with its anticipated benefits, development cost, and timeline.

**1.3 Overview**

The PAS aims to automate and digitize passport application processes, including application submission, verification, and issuance, to improve service delivery and reduce processing times.

**2. General Description**

The PAS will include modules for passport application management, document verification, fee processing, appointment scheduling, and reporting, catering to passport offices and immigration authorities.

**3. Functional Requirements**

* Online passport application submission and tracking.
* Automated document verification and approval processes.
* Fee processing functionality for passport application payments.
* Appointment scheduling features for passport interviews and biometric data collection.
* Reporting capabilities for analysing application volumes, processing times, and applicant demographics.

**4. Interface Requirements**

The PAS will provide user-friendly interfaces for passport applicants, passport officers, and administrative users, accessible via web portals or mobile applications. Integration with identity verification systems and payment gateways will be facilitated.

**5. Performance Requirements**

The system should efficiently handle passport application data processing, ensuring timely application processing and accurate record-keeping. Response times for application submission, verification, and approval should meet defined performance standards to enhance user satisfaction.

**6. Design Constraints**

The PAS must comply with international standards and regulations for passport issuance and identity verification. Data security and privacy considerations should be paramount to safeguard sensitive applicant information and prevent unauthorized access.

**7. Non-Functional Attributes**

Key non-functional attributes include security, reliability, usability, and performance. The system should prioritize data integrity, system availability, and user accessibility to ensure a seamless user experience.

**8. Preliminary Schedule and Budget**

Initial estimates for the PAS project include a development timeline of six months and a budget of $750,000, covering resources, infrastructure, and other expenses.