

4) Interface Requirements

The Passport Automation System should have a user-friendly interface for both passport applicants and officials.

i) User interface: The user interface should allow applicants to fill out application forms, schedule appointments and make payments.

ii) Official Interface: The official interface should allow passport officials to process applications, conduct interviews and issue passports.

5) Performance Requirements

The Passport Automation System should be fast and responsive. The system should have the following performance requirements:
a) there should not be a response time greater than 2 seconds. The system should be scalable and accommodate a large number of users.

6) Design Constraints:

The Passport Automation System should be developed on a web based platform using Java with a relational database management system.

7) Non-Functional Attributes:

The Passport Automation System should be user friendly, reliable and ensure the security of data.

8) Preliminary Schedule and Budget:

The development of the system is expected to take 16 months with a budget of 100,000.

Passport Automation System

1) Introduction

1.1 Problem Statement

The passport application and issuance process is time-consuming and cumbersome with long queues and paperwork. The manual process often leads to errors, delays, causing frustration among applicants. Therefore, there is a need to develop an automated system that streamlines passport application and issuance process.

1.2 Scope

This document outlines the requirements for the development of web-based Passport Automation System to automate passport application and issuance process. The system will allow applicants to apply for passports online and make payments. The system will also enable passport officials to conduct interviews.

1.3 Overview

The Passport Automation System will be developed using Java with a RDBMS. The system will ensure the security of data through user authentication and authorization with encryption.

2) General Description

The Passport Automation System will be a web-based application accessible to passport applicants and officials with a valid login. The system will provide features such as online application, appointment scheduling and passport issuance. The data will be stored in a central database that can be accessed by authorized users.

3) Functional Requirements

The system will have the following requirements.

- i) Online Application: The system should allow applicants to fill out forms online and submit them.
- ii) Appointment Scheduling: Should allow applicants to schedule appointments for passport processing.
- iii) Application Processing: The system should allow passport officials to issue passports to eligible applicants.