

PASSPORT MANAGEMENT SYSTEM

Passport Automation System

1. Introduction

1.1 Purpose of this document:

This document outlines the requirements for a passport automation system, designed to simplify the passport application, verification and issuance process.

1.2 Scope of this document:

The passport automation system allows citizen to apply for passports online submit necessary documents, track application status, and schedule appointments. It integrates with government databases for verification of applicant details and provides authorities with tools to process applications, conduct background checks and issue passports.

1.3 Overview:

The system ensures a seamless flow of passport applications, verification of personal details, and the processing of payments. This document defines the system's core functions, performance criteria and interfaces.

2. General Description:

The PAS allows users to apply for new passports, renewals and track the application status. It also enables government officials to verify applicant information, schedule interviews and approve or reject applications.

3. Functional Requirements:

- Online Application submission: Users can submit passport application online by filling out required forms and uploading necessary documents.
- Document verification: The system verifies uploaded documents like certificates, ID proof, etc by cross-referencing government databases.

4. Interface Requirement:

- User interface: a well developed web based application for handling the verifications and other processes.
- Database interface for handling all the data.

5. Performance Requirement:

- The system must process and verify documents within 3-5 sec.
- It should handle up to 50000 concurrent user requests, specially during peak application periods.
- The system should provide real-time updates to applicants about the progress of their applications.

6. Design constraints:

- Compatibility with the modern web browsers.
- Accessible across multiple platforms (web and mobile).

7. Non-Functional Attributes:

- Security: All the personal data must be encrypted in storage and during transmission.
- Reliability: It should be reliable with minimal downtime for maintenance.

8. Schedule and Budget:

It would take around 6 months for the completion of project.

Budget:

The total estimated Budget: \$ 55000

- Requirement specification: \$ 8000
- Design phase: \$ 20000
- Development phase: \$ 12000
- Deployment and maintenance: \$ 5000
- Testing: \$ 10000

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