

## Passport Automation System →

### 1. Introduction

1.1 Purpose of this document: this document is used to define the software requirements of a passport automation system.

1.2 Scope of this document: document defines functionality, requirements and objectives of the passport automation system.

1.3 Overview: This system is designed to facilitate online application and processing of passport services.

### 2. General Description

This system will automate various aspects of passport application such as online application, uploading document, fee payment and scheduling appointments.

### 3. Functional Requirements

Online Application: user can apply for passport, passport renewal or update through system

Appointment scheduling: system can apply be used to schedule appointments at passport office

Document verification: administrative staff will verify uploaded document and application details

Fee payment: system facilitates online fee payment using various methods

### 4. Interface Requirements

User Interface: web based interface accessible using any modern browser

System Interface: integrate database to store user information, application details, document scan. integrate external verification services.

### 5. Performance Requirements

- system should handle upto 2000 concurrent users
- application submission should not take longer than 5 minutes.



#### 6. Design Constraints

- system should comply with regulations for secure data handling
- compatible with standard web browser
- should be deployable on cloud infrastructure

#### a. Non-Functional Attributes

Security: system will implement strong security protocols to protect sensitive personal information

Scalability: scalable to accommodate growing number of applicants

Usability: should be designed for ease of use

#### b. Preliminary schedule and Budget

• Estimated at 9 months

• estimated budget of \$ 150,000

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