

Friday

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## VJ Passport Automation System

### Problem Statement:

The current passport automation system struggles with slow application processing, inefficient appointment scheduling, and manual document verification, causing delays and frustration. It lacks integration with biometric technology and real-time status updates, compromising security.

A new system is necessary to automate processes, integrate biometrics for enhanced security, and provide real-time updates, improving efficiency and user satisfaction.

### SFs:

#### 1. Introduction

##### 1.1 Purpose of this Document

To define specifications and requirements for the development of a passport Automation System.

##### 1.2 Scope of this Document

To describe the overall objectives and scope of the passport Automation system

##### 1.3 Overview

Designed to streamline and automate passport application, processing and management procedures.

#### 2. General Description

##### → User Registration

- Allow users to register and receive unique login credentials
- option for individual /family Accounts,

→ Application Submission

- Users can submit passport applications electronically.
- System validates application details.

→ Application Processing

- Passport officer review and process applications.
- Officers can verify and approve/reject application.

→ Payment Processing

- Support online payment for passport application fees.
- Multiple payment options available.

→ Appointment Scheduling

- Users can schedule appointments for various passport-related tasks.
- System provides available time slots based on officer availability.

→ Passport Issuance

- Upon approval, system generates passport documents.
- Passports printed with applicant details and security features.

### 3. Functional Requirements:

#### 3.1 User Registration

- Register users and assign unique login credentials.
- Provide options for individual or family accounts.

#### 3.2 Application Submission

- Allow electronic submissions of passport applications.
- Validate application details.

### 3.3 Application processing

- passport officers review applications
- verify and approve/reject application

### 3.4 Payment Processing

- Support online payment for application fees
- Multiple payment options available

### 3.5 Appointment Scheduling

- Allow users to schedule appointments
- Provide available time slots

### 3.6 Passport Issuance

- Generate passport documents upon approval
- Print passports with security features.

## 4. Interface Requirements

### 4.1 User interface

- Intuitive interface for easy navigation
- clear display of application status and appointment details.

### 4.2 System Interfaces

- Integration with payment gateways
- compatibility with external systems for data exchange.

## 5. Performance Requirements

### 5.1 Response time

- Quick response time for user interaction
- minimal downtime for system maintenance

## 5.2 Scalability

- Handle large volume of applications and transactions.
- Scalable architecture to accommodate growth.

## 6. Design Constraints

### 6.1 Platform compatibility

- Compatibility with various devices and browser.
- Compliance with industry standards.

### 6.2 Integration with external systems

- Integration with government databases for data validation.
- Compatibility with existing systems for seamless data exchange.

## 7. Non-functional Attributes

→ Security

- Robust auth mechanism
- Encryption of sensitive data

→ Reliability

- Backup and recovery mechanisms
- Continuous monitoring for error detection

→ Usability

- Intuitive interface requiring minimal training.
- Clear error messages for effective troubleshooting.

## 8. Preliminary Schedule and Budget

Development estimate at 6 months, \$ 60,000 budget.

This SRS provides a comprehensive guide for the development of the passport Automation System.