

→ SRS for "Passport Automation System"

** Introduction **

1.1 Purpose of document

To define specification and requirements for the passport automation system.

* Scope of this Document

To describe the overall objectives and scope of the Passport Automation System.

* Overview:

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

General Description

* User Registration

→ Allow users to register and receive unique login credentials.

→ option for individual or family accounts.

→ Application Submission

- * user can submit passport applications electronically
- * system validates application details.

→ Application Processing

- * passport officers 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

- * user 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.

→ Functional Requirement

User Registration.

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

→ Application Submission

- * Allow electronic submission of passport application
- * Validate application details.

→ Application Processing

- * Passport officers review application
- * Verify and approve/reject application.

→ payment Processing

→
Support online payment for application fees.

- * multiple payment options available

details

→ Passport Issuance

- * generate Passport document upon approval.
- * print passport with security features.

credentials
only

Interface Requirement

→ User Interface

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

→ System Interfaces

- * Integration with payment gateways
- * compatibility with external system for data exchange.

→ Performance Requirement

- * Response time
- * Quick response time for user interactions

- Minimal downtime for system
- * Scalability
 - * Handle large val of application and transactions
 - * Scalable architecture to accommodate growth
- Design Constraints
- Platform compatibility
 - * Compatibility with various devices and browsers
 - * Compliances with industry standards
- Integration with External System.
 - * Integration with government databases for data validation.
 - * Compatibility with existing System for seamless data exchange.
- Non Functional Attributes
 - * Security
 - * Robust authentication mechanisms.

* Encryption of sensitive data

→ Reliability

- * Backup and recovery mechanisms.
- * Continuous monitoring for error detection.

→ Usability

- * Intuitive interface requiring minimal training
- + clear error message for effective troubleshooting

→ Preliminary Schedule and Budget

- * Development estimated at 6 months
\$ 60,000 budget.