

Passport Automation

1. Introduction

1.1 Purpose

Purpose of this software requirement specification document is to outline the requirement for passport automation system. It is designed to facilitate & automate the process of application, processing & issuance.

1.2 Scope

System will be accessible to applicants, administrative staff & govn. authorities, with each user role having a unique set of permissions & functionalities.

1.3 Overview

This document provides a detailed overview of the passport automation system, covering its functional & non-functional requirements.

2. General Description

Passport automation system will be a web based platform designed to serve as a complete solⁿ for passport application & issuance.

3. Functional Requirement

- User Registration - Allows user to register with basic details.
- Application Submission - Provides an intuitive online form for entering personal, contact & employment details.
- Appointment management - Allow users to book, reschedule and cancel appointment.
- ~~Payment processing - Implement for document verification~~
- Payment processing - Implement a secure payment gateway for application fees.
- Verification workflow for document verification, RYC, check & police verification.

4. Interface Requirement

- User-friendly portal with forms, tracking dashboard & appointment management.
- Access to application approvals, background check data & final issuance.
- Integration with third party payment gateways.
- Implement email & SMS for notification & OTPs.

5. Performance Requirement

- The system should support up to 10,000 concurrent users.
- Avg. response time for each transaction should not exceed 2 sec.
- Real time updates for application tracking.

6. Design Constraint

- The system must comply with national data protection laws.
- Follow security best practices for data encryption & access control.

7. Non-Functional Requirement

- Security - Implement role-based access control
- Usability - Interface should be intuitive, with clear navigation & minimal clicks.
- Reliability - Ensure 99.9% uptime for 24/7.
- Scalability - Optimize database queries for large & data volumes.

8. Preliminary Schedule & Budget

Budget estimate:

Development: \$ 80,000

Testing: \$ 20,000

Hardware & Software: \$ 25,000

Miscellaneous: \$ 10,000

Total: \$ 135,000

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