

Passport Authentication System

21/1/20

Problem Statement:

Passport Authentication is usually done manually which causes so many human errors. ~~The~~ Passport Authentication System aims at minimising human errors by authenticating automatically using a software.

SRS Document

1 Introduction

1.1 Purpose:

This document defines the requirements for a passport Authentication System. It outlines features, performance expectations and required constraints to automate applications.

1.2 Scope

The PAS will allow citizens to apply for new passports, renewals and updates online. It will support verification of documents, appointment scheduling, payment processing as status tracks.

1.3 Overview

The System will:

- Enable citizens to submit passport applications
- Allow scheduling of verification / biometric appointments
- Provide gateway for application fees.

- Track application process and notify users
- General Description:
 - The PAS acts as an interface between applicants and the government passport department.
 - It streamlines manual operations and reduces paperwork.
 - Users include Applicants, Passport officers, Admins

3. Functional Requirements.

- FR1: User registration and login with authentication
- FR2: Online application form submission and document upload.
- FR3: Appointment scheduling
- FR4: Payment gateways
- FR5: Status checking via sms/email
- FR6: Passport officer's dashboard for verification and approval.

4. Interface Requirement:

- User Interface: Web portal and mobile application
- External Interface: Integration with police database, national ID system and payment gateway
- API Interface: Rest APIs for source data exchange.

5. Performance Requirements:

- System should support upto 10000+ concurrent users
- Response time < 5 sec.
- Handle millions of application records.

6. Design Constraints

- Must comply with government policies
- Sensitive data must be encrypted
- Biometric data storage must follow privacy regulations.

7. Non functional Attributes:

Security: Multi-factor Authentication, secure communication

Reliability: 99.9% uptime, redundant backup

Usability: intuitive forms and appointment booking

Scalability: Handle increasing applicants easily

8. Preliminary Schedule and Budget.

Requirement analysis	- 2 weeks	- £5,000
System Design	- 3 weeks	- £4,000
Development	- 8 weeks	- £20,000
Testing	- 4 weeks	- £8,000
Deployment	- 2 weeks	- £10,000
Total	19 weeks	£47,000