

37 Passport automation system

1. Introduction

1.1 purpose

→ This document details the requirement for (PMS), outlining its functionalities, performance and expectations.

1.2 Scope of this document

The PMS aims to streamline the processing and management of passport applications, renewals and verification.

1.3 Overview

The PMS will provide functionalities for government

→ Functional Requirements

- Application Submission: online form for passport applications with document uploads.

- ~~Status Tracking~~: allow applicants to track the status of their application in real-time.

- Document verification: validate submitted documents against predefined criteria

* Performance Requirements:

- Response Time: System should respond to user queries.
- Memory usage: Maintain memory usage under 120MB during peak loads.
- Error Rate: Allowable error rate of 1.5% in document processing.
- Non-functional requirements
 - Security: Robust authentication mechanisms and data encryption.
 - Portability: Accessible on multiple devices.
 - Scalability: Designed to handle increased application volumes and users.
 - Reliability: Target uptime of 99.9% with data backup solutions in place.

8. Preliminary Schedule and Budget:

- Initial schedule: 7 months for development, testing and deployment.
- Budget: Estimated at \$40,000 covering all project phase.

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