

(v) Passport Automation System:

Purpose: The document is ^{designed to} outline the requirements of the passport ^{automation} system.

Scope: The document is designed to give proper understanding of requirements agreed upon the client and the organization. It gives a clear guide for developers about how to work upon developing the system.

Overview:

The passport maintenance system allows the users for a platform to apply for passports online and take appointments for collection of biometric information and also provides a platform to the government to process and bifurcate all the applications and communicate to users the application status.

General description:

The passport ~~data~~ automation system provides a platform to apply for passports online and also get appointments for collection of biometric and other confidential information required. It also helps the government to look through all applications and process it in a simplified manner. The user can also track the application status.

Functional Requirements:

- * Citizens can access the web application through their browser and apply for passports by filling in necessary details and upload documents
- * The system will verify automatically the details and documents using the government data under authorised supervision
- * Applicants can schedule appointments for giving biometric information and other confidential information required
- * Users can track the application status anytime and reapply if required
- * The system will send personalized notifications whenever required.

Non functional requirements:

- * Usability: User friendly UI that promotes ease of navigation.
- * Scalability: Designing the system to serve growth of in user traffic and multiple simultaneous transactions
- * Performance: Meeting performance requirements to ensure friendly timely response and efficient processing.

Preliminary Schedule and Budget:

Estimated cost of each LOC = \$30

Estimated cost of code = 20,000

Estimated storage costs = \$5 per GB

Total cost = $(30 \times 20,000) + (5 \times 100)$

= 600,000 + 500

= \$6,00,500