

① Passport automatic System

Introduction :-

① passport application process can be tedious and time consuming leading to user frustration and administration delay. A passport automation system is needed to simplify the application process.

Introduction

1.1 purpose of the document:

This document has the software requirement for the passport automation system.

1.2 scope of this document

The document covers functional & non-functional requirements initiation and performance enhancement.

1.3 Objectives

The system will simplify the application process, enhance document security and ensure tracking.

(2) General description

User description :-

- applicant, administration staff :
view & manage other documents
- Features :
use of barcode to store permit info
- Benefits :
shorten process and improve customer service.

(3)

Functional requirements :-

- Submission of document to Manfield online through ~~barcode~~ scanner and convert QR
- system database required to store TB of data use of (postgreSQL)
- to ensure fast retrieval
- Generate updates.

(4) Interface requirement :-

- Web based interface for applicants
- Backend API for admin tasks & document manipulations.

(5) Performance requirement:

(1) Response time:-

- Start query and retrieval within 5 seconds.
- respond within 2 days

(2) System up-time : 99.9%

(6) Legal constraints:-

- Must comply with government regulations.

(2) Database:-

use of robust relational database (PostgreSQL) to store tasks

② Non funcn reqmts.

① Security :-

strict access only th concrcte admin (now cannot access it)

② Comptabiltf :-

work will retain government data

③

Schedule { Budget }

✓ Estimated time : 9 months

- Estimated Budget : \$ 50,000 - 80,000

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