

5. Passport Automation System

Problem Statement: It is a critical system that requires efficient and accurate handling. The goal is to provide secure and efficient platforms for passport issuance and renewal. It should be able to handle entire passport issuance and authentication process. The system should provide features for tracking the status of application, scheduling appointments and verifying applicant's identity. System should be designed to handle large volume of applications.

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1. Introduction

1.1 Purpose: To define the functional and non functional requirements, defined by an efficient maintenance system. It serves as an outline to improve operations to enhance future needs.

1.2 Scope: Overall working and ensuring that the system is working as smooth as possible. The complexity of the system will be ~~the~~ ~~the~~ guide the development team.

1.3 Overview: Application is optimized to developed to optimize the passport authentication system.

2. General Description

The system provides an online portal where applicants can submit their passport application along with necessary docs. The system then verifies the info provided by applicant and performs background check for authenticity. The system provides features for tracking the status of application, scheduling appointments for document verification and confirming identity of applicant.

3. Functional Requirements

- User Registrations - system allows user to create an account and registers themselves by providing basic personal details.
- Online Application : system provides online platform for applicants to submit their application.
- document verification - system should schedule appointment for document verification and confirmation.
- Payment processing - system should support different payment methods.
- Biometric verification to confirm the identity.
- Application tracking to get the status.
- Passport delivery.

4. Interface Requirements:

The system should have a userfriendly interface that's easy to navigate and understand all type of users.

- responsive design : system should be designed with responsive interface
- Multilingual support should be provided for different users.
 - The design should be accessible to comply with standards
 - Intuitive navigation.

5. Performance Requirements

- Response Time : system should have fast response time with minimal errors or failures.
- Scalability : system should be scalable & able to handle large volume of applications
- Availability : system should be available 24x7.
- Reliability : system should be reliable with minimal error.
- Data security : system should have robust data security measures in place to ensure the confidentiality.

6. Design Constraints

Hardware constraints : It should be neatly integrated with the already existing system.

Software limitation : constraints on amount of data that can be processed and stored.

Security : the system should be secured and safe.

7. Non-functional Requirements

The system should be easy to use and navigate with user friendly interface

The system should be accessible to user

The system should have robust security measures in place to protect against cyber threats, data breaches

The system should be able to handle high volume traffic

The system should be able to maintain and upgrade.

8. Schedule and Budget

Planning : 1 month

Development : 5 months

Testing : 1 month

Deployment : 1 month