Passport Automation System

Problem Statement

The Passport Automation System is a software application designed to simplify and automate the passport application and issuance process. The system will enable applicants to apply online, upload supporting documents, and schedule an appointment for an interview. Passport officers will be able to verify and approve applications, process payments, and issue passports. The system aims to reduce processing times, improve accuracy, and enhance the user experience

Software Requirement Specification(SRS)

1.Introduction:

The Passport Automation System is a software application designed to automate and streamline the passport application and issuance process. The system will be developed using a programming language of the client's choice and will be accessible through desktops or mobile devices. The system will have a user-friendly interface, and it will be deployed on a secure server to ensure the safety of the user's personal information.

2.General Description:

The Passport Automation System will be designed to simplify the passport application and issuance process. The system will allow applicants to fill out the application form online, upload supporting documents, and schedule an appointment for an interview. The system will also enable passport officers to verify and approve applications, process payments, and issue passports.

3.Functional Requirements:

3.1. User Registration:

- The system should allow users to register and create an account.
- The system should verify user identity through email verification, phone verification, or any other method.

3.2. Passport Application:

- The system should allow users to fill out and submit the passport application form online.
- The system should enable users to upload supporting documents, such as proof of identity and residency, passport photographs, and payment receipts.

3.3. Appointment Scheduling:

- The system should enable users to schedule an appointment for an interview with a passport officer.
- The system should send reminders to users about their appointment.

3.4. Passport Issuance:

- The system should allow passport officers to verify and approve applications.
- The system should process payment and issue passports.

4.Interface Requirements:

- The user interface should be designed to be intuitive and user-friendly.
- The interface should have different sections for different functionalities, such as user registration, passport application, and passport issuance.

5.Performance Requirements:

- The system should be able to handle multiple transactions simultaneously.
- The system response time should be less than 3 seconds.

6.Design Constraints:

- The system will be developed using a programming language of the client's choice.
- The system will be deployed on a secure server, and the front-end will be developed using HTML, CSS, and JavaScript.
- The system will use a MySQL or PostgreSQL database to store data.

7.Non-Functional Attributes:

7.1. Security:

- The system should ensure the safety of user data, including personal information and payment details.
- The system should have user authentication and authorization to ensure that only authorized users can access the system.

7.2. Usability:

- The system should provide an easy-to-use interface that allows for efficient passport application and issuance.
- The system should provide online help and documentation to assist users.

7.3. Reliability:

- The system should have backup and restore capabilities to ensure data availability in case of system failure or data loss.

8.Preliminary Schedule and Budget:

- The development of the Passport Automation System is expected to take approximately 6 months.
- The estimated budget for the project is RS.100,000, including development costs, hardware, and software.