

Passport Automation:-

i) Introduction -

1.1 Problem Statement - To make a system that will streamline the process of passport issuance, renewal, application and verification.

1.2 Scope - The system will facilitate online applications, document verification, appointment scheduling.

1.3 Overview - It is designed to streamline the process of applying for & issuing passports.

ii) General description -

The passport automation system will facilitate passport applications for citizens through a web-based platform.

→ user objectives :- 1) Simplified application for passport

2) Real-time application tracking

3) Secure payment processing

→ user characteristics - 1) Citizens applying for passports

ii) Govt. officials processing application

iii) It administration managing the system

iii) Functional Requirements

1) user Registration and login: user must be able to create their profile, manage their account

2) Application Submission -

user can fill out and submit passport applications online

"Apply online"

3) Document upload:- user must be able to upload required documents

4) Payment processing - The system should support multiple payment methods

5) Application Tracking - users can check the status and their application in real time

iv) Interface Requirements

- user Interface
- Api Integration
- Payment Gateway

v) Performance Requirement

→ Response Time - The system should respond to user action within seconds

→ Data Handling - The system must handle up to 10,000 concurrent users

vi) Design constraints:

→ Technology stack: Must use specified technology

→ Compliance: The system must adhere to data protection and regulation

→ Budget consciousness: Development must stay within the budget limit

vii) E2E Non-functional Requirements

1. Performance - The system should handle

large amount of data without performance degradation.

2. Scalability -

The system should be scalable to accommodate vast amount of applications

3. Reliability -

The system should provide accurate data

4. Security - The system should protect user data and hide sensitive information of the users

viii) Appendix

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