* SRS for passport automation:

1) Introduction

1.1 Purpose: The purpose is to outline the requirements for the passport automation system. It provides a detailed description of the functionalities, performance expectations, and constraints necessary for the development team to create a robust and efficient system. This SRS serves as a reference for stakeholders, including developers, project managers, and end-users, ensuring a common understanding of the system's objectives.

1.2 Scope: This document covers the design and implementation of an automated system for processing passport applications. It describes the core functionalities, user interactions, performance metrics, & project constraints.

1.3 Overview: The PAS is designed to streamline the process of applying for and issuing passports. It will provide users with an intuitive interface for submitting application, tracking their status, and receiving notifications.

2) General Description:

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

User objectives:
- simplified application submission process
- Real-time application tracking
- Secure payment processing.

User characteristics:
- citizens applying for passports
- Government officials processing applications
- IT administrations managing the system.

Features & Benefits:
- User-friendly interface: Enhances user experience & reduces application errors.
- Real-time notifications: Keeps users informed about their application status
- Secure payment processing: Provides a safe and reliable payment gateway.

3. Functional Requirements:

1. User Registration and Login: users must be able to create an account, login, and manage their profiles.

2. Application submission: users can fill out and submit passport applications online.
3. Document upload: users must be able to upload required documents securely.
4. Payment processing: The system should support multiple payment methods (credit / debit cards, online banking).
5. Application tracking: users can check the status of their applications in real time.
6. Admin Dashboard: Admins can review, approve, or reject applications & manage user accounts.

4. Interface Requirements:
- User Interface: A web-based front end with a responsive design for accessibility on various devices
- API Integration: The system must interface with government databases for identity verification and background checks.
- Payment gateway: Integration with secure third-party payment processing services.

5. Performance Requirements:
- Response Time: The should system should respond to user action within 4 seconds
- Availability: The system should have an up-time of 99.9%
- Data Handling: The system should must handle up to 10,000 concurrent users.

6. Design constraints:
- Technology Stack: Must use specified technologies (ex. Java, SQL database)
- Compliance: The system must adhere to data protection regulations.
- Budget constraints: Development must stay within the $150,000 budget.

7. Non-Functional Attributes:
- Security: Implement SSL encryption & secure authentication methods.
- Reliability: The system should be capable of recovering from failures without data loss.
- Scalability: The system should be designed to scale up to accomodate future growth in user base.

8. Preliminary schedule & Budget

- Project Timeline:
  - Requirements gathering: 1 month
  - Development: 4 months
  - Testing: 1 month
- Estimated Budget: $150,000 which includes development, testing, and deployment costs.