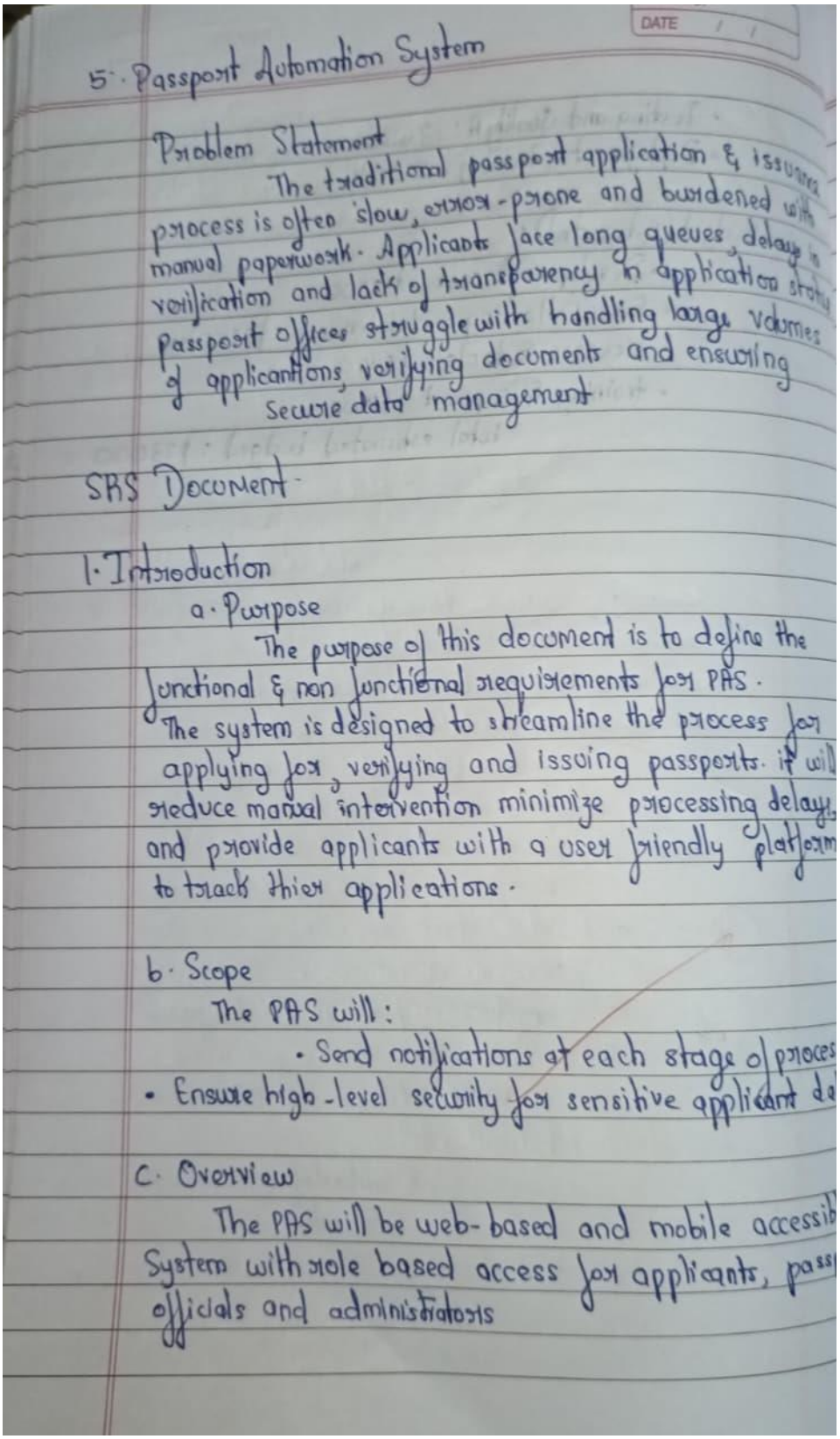
OOM LAB

SRS Document

Stock Maintenance System



5. Passport Automation System

Problem Statement

The traditional passport application & issuance process is often slow, error-prone and burdened with manual paperwork. Applicants face long queues, delays in verification and lack of transparency in application status. Passport offices struggle with handling large volumes of applications, verifying documents and ensuring secure data management.

SRS Document

1. Introduction

a. Purpose

The purpose of this document is to define the functional & non functional requirements for PAS. The system is designed to streamline the process for applying for, verifying and issuing passports. it will reduce manual intervention minimize processing delays, and provide applicants with a user friendly platform to track thier applications.

b. Scope

The PAS will:

- Send notifications at each stage of proces
- Ensure high-level security for sensitive applicant d

c. Overview

The PAS will be web-based and mobile accessib System with role based access for applicants, pass officials and administrators

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2. General Description.
- Users
- System Environment
- Assumptions
- Dependencies.

3. Functional Requirements
a. User Registration & Authentication.
b. Application Management
c. payment processing
d. Appointment Scheduling
e. Verification & approval.
f. Application tracking & notification
g. Reports & analysis.

4. Interface Requirements.
a. User Interface
- Applicant dashboard
- official dashboard
- Admin dashboard

b. Hardware Interface:
- Biometric devices for fingerprint/iris Scans
- Barcode/QR scanners.

c. Software Interface.
- Database: Oracle/MySQL
- Frontend: HTML/CSS
- Backend: Java/python

5 Performance Requirements.
- System must handle 10000+ concurrent users
- Each application transaction should complete in < 3 seconds

6. Design Constraints.
- Must comply with government regulations for data security
- Data must be encrypted at rest & during transmission
- Must support multi-language interface.

7. Non Functional Attributes
Reliability, usability, maintainability, security scalability.

8. Preliminary Schedule & Budget

a. Schedule
- Requirement Analysis & Design : 3 weeks
- Database & architecture setup : 3 weeks
- frontend & backend development : 8 weeks
- Integration with Biometric & payment Systems : 3weeks
- Testing & QA : 4 weeks
- Deployment & Training : 3weeks.

b. Budget
- Development Cost : $60,000
- Biometric Devices & Hardware setup : $2500
- server Hosting : $10,000/yr
- Licensing & tools : $5000
- Training & support : $3000

total estimated budged : $108,000/