

Passport automation

Introduction

Purpose

The purpose of this document is to outline the functional and non-functional requirements for the passport Automation System

Scope

This system will Automate the entire process of Applying for and issuing passport

Overview

The system will provide a user-friendly platform for citizens to apply for passport, track their application status, schedule appointments for interviews or document submission

General Description

To automate and stream line passport application process, reducing the manual workload for passport office & improving the user experience for application user

Applicants
passport office

Functional requirement

- user Authentication : secure login system
- Document verification
- Application tracking
- passport Issuance

4) Interface requirements

- user Interface : web or mobile Interface
- Database Interface
- office Interface : for verification of documents

5) performance requirements

- Response time : Application submission should occur within 3 seconds
- Scalability : Support upto 1 million.

6) Design Constraints.

- Technology : Backend (Java / Springboot)
Frontend (React), Database (MongoDB)

7) Non-functional required in

- Security
- Reliability
- portability
- Data integrity

Preliminary Schedule & Budget

Schedule : Requirements specifications

Development : 4 weeks

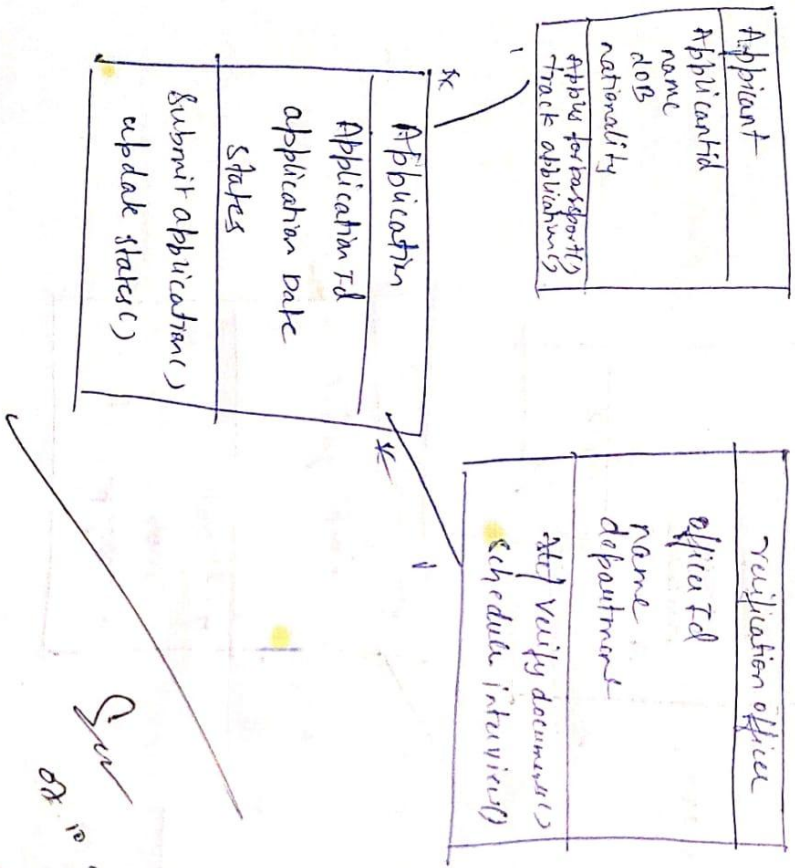
testing : 4 weeks

total : 6 months

Budget :

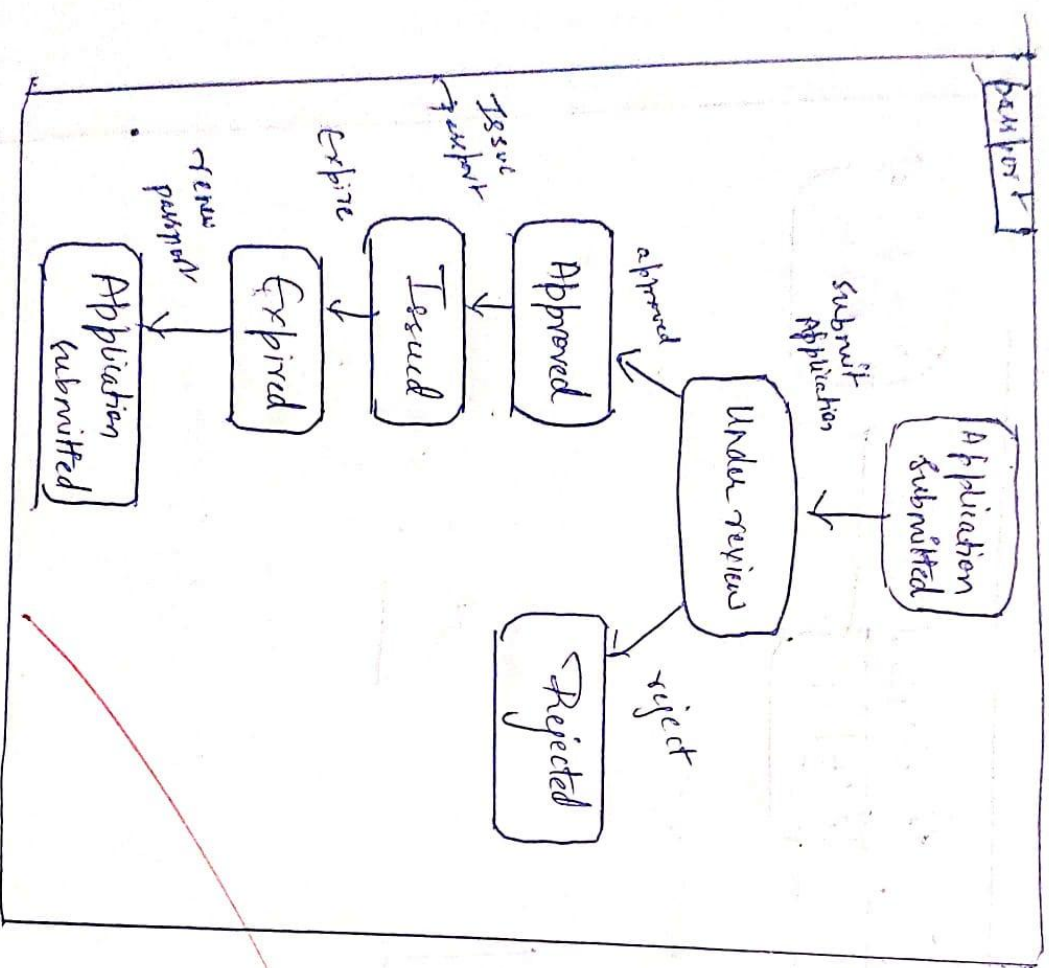
Software Development : \$250,000
infrastructure & hosting : \$60,000
testing & QA : \$40,000
total budget : \$350,000

Passport Automation system

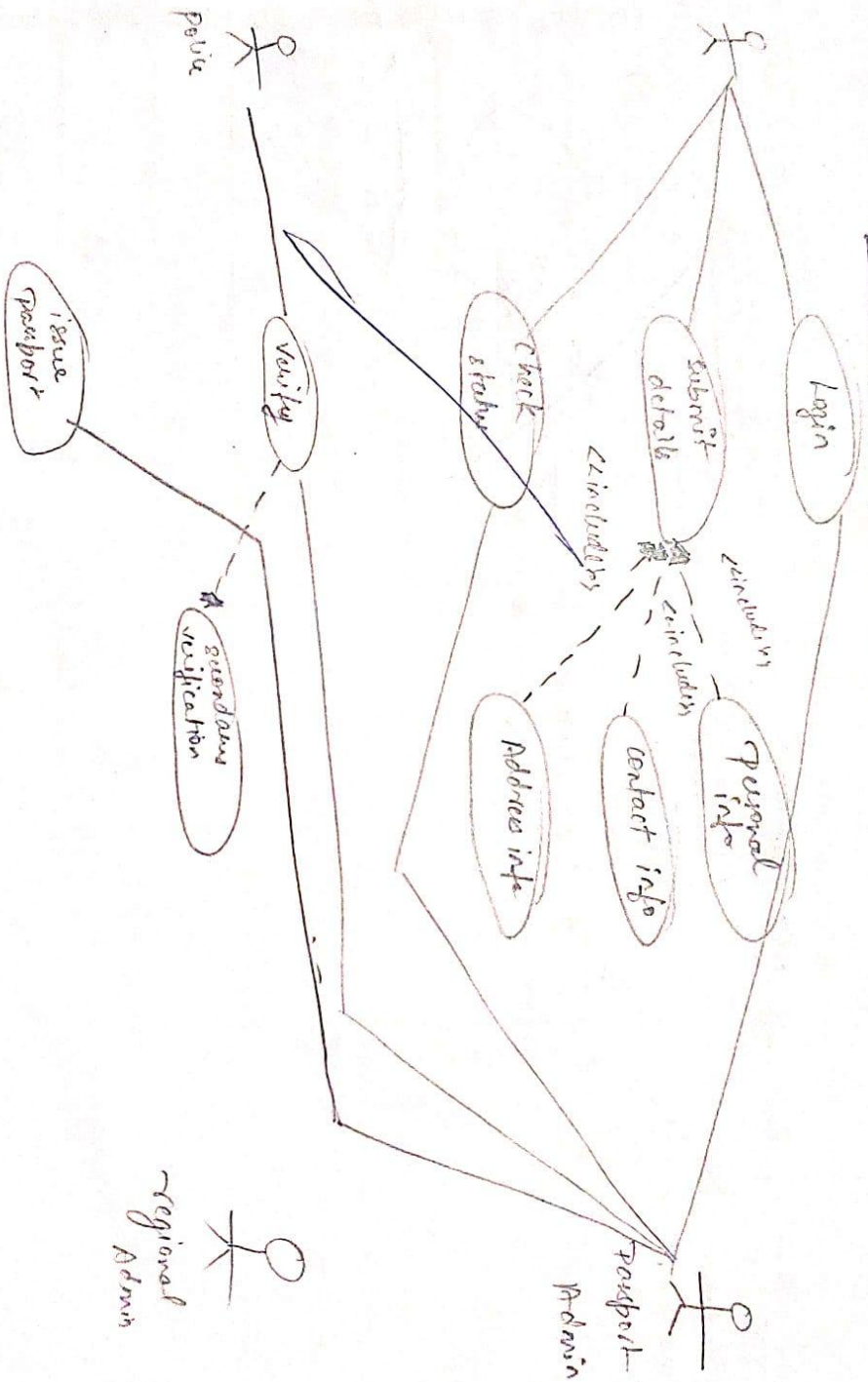


Sur
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State diagram for passport



Passport Management System



5) Passport Automation System

