

## 5. Software Requirement Specification for Passport Automation System

### 1. Introduction:

#### • Purpose:

The purpose of this document is to define the requirements of passport automation system. This system will help streamline passport application process including application submission, tracking and appointment scheduling.

#### • Scope:

The system will support applicant, passport office staff and immigration officers in processing passport request and renewals. The system will automate many manual tasks and provide a transparent way to track the status of application.

#### • Overview:

The passport automation system will consist of modules for application submission, verification, appointment scheduling, passport issuance etc.

### 2. General description:

#### • Product Perspective:

The system will integrate with government databases and biometric verification systems to automate passport processing.

#### • User Characteristics:

Users will include passport applicants, government officials and



system administrators.

- System constraints

The system must support secure online submission and tracking for passport applications.

### 3. Functional Requirements:

- Online application submission and payment processing
- Application status tracking
- Appointment scheduling
- Biometric verification integration.

### 4. Interface Requirements:

- web-based interface for applicants
- administrative portal for passport office
- Integration with payment gateway

### 5. Performance Requirements:

- Must process 100,000 applications at a time.
- Application status updates should be available in real-time.

### 6. Design constraints:

- Must comply with government security and data privacy regulation.
- Modular design for easy future upgrades and feature additions

### 7. Non-functional attributes:

- Security: End to end encryption for sensitive data



◦ Scalability: scalable across multiple regional passport office

◦ Reliability: 99.9% uptime for continuous operation.

### 8. Preliminary Schedule and Budget:

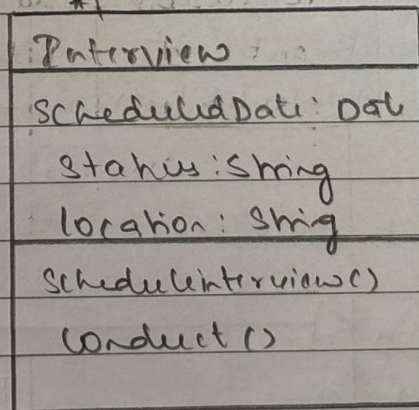
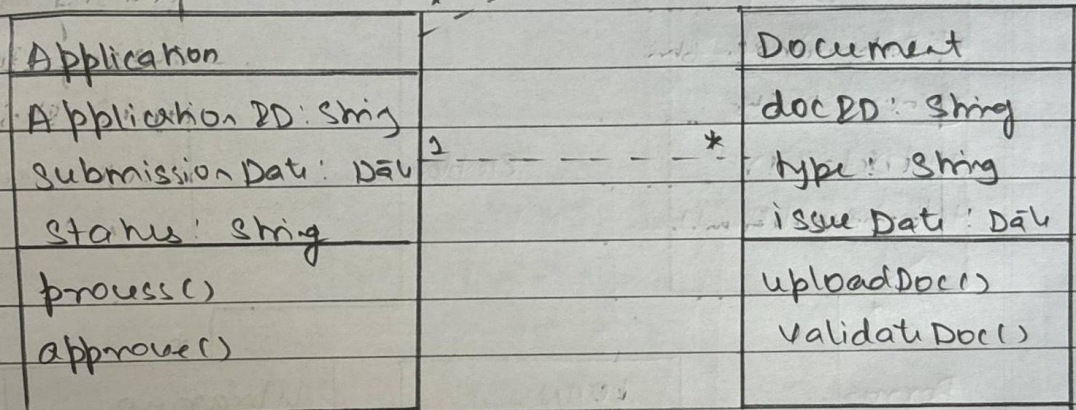
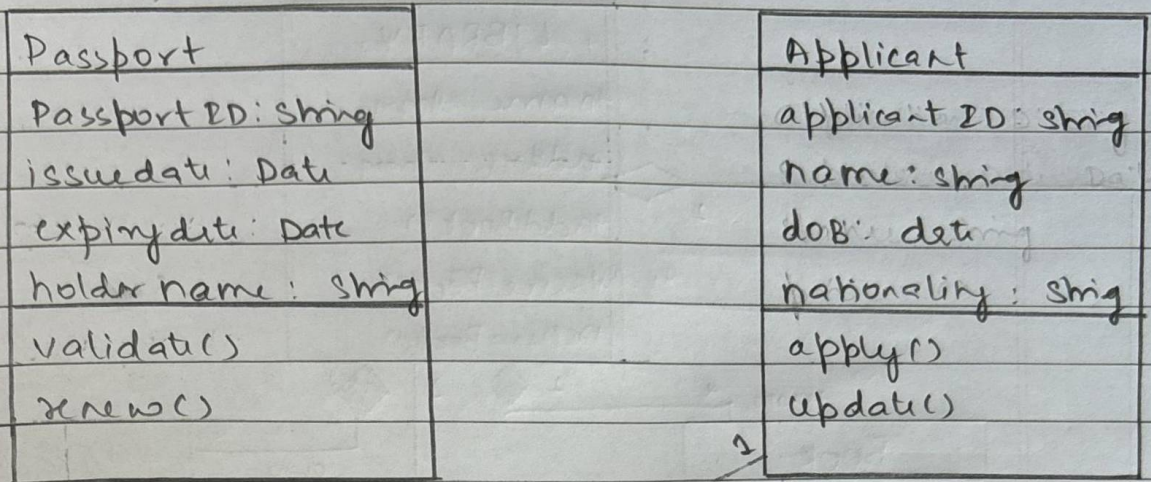
◦ Development timeline: 8 months

◦ Estimated Budget: 20,00,000.

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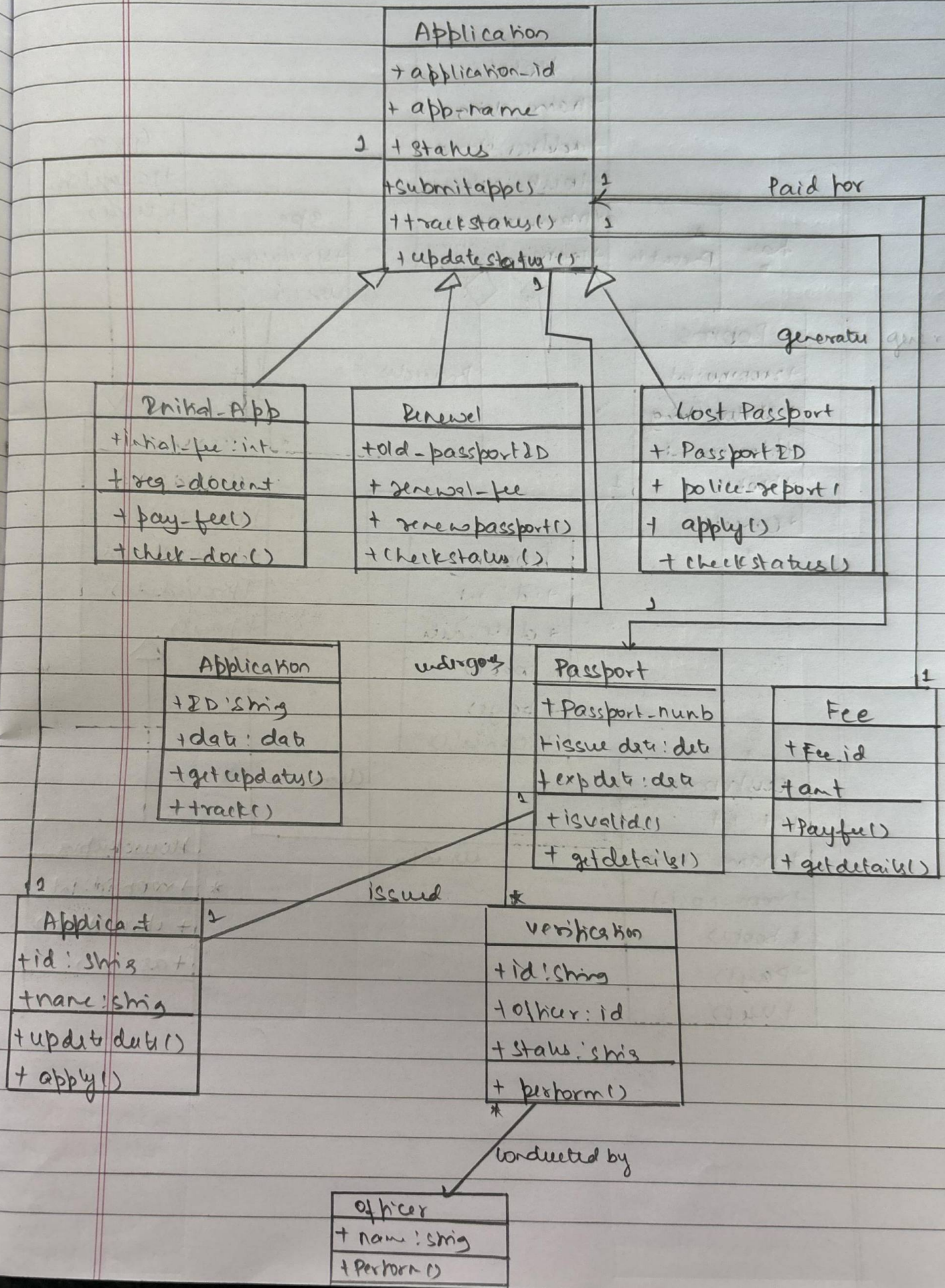
## 5. Passport Automation system.



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## Passport Automation system: 14/01/17



# STAR UML DIAGRAM

