

5. Passport Automation

a. SRS Document:

6/10/24

Passport automation System:

1. Introduction:

1.1 purpose of this document outlines the system requirement and attribute of passport automation system.

1.2 Scope of document:

- To streamline process of passport application, insurance, management

1.3 Overview:

will facilitate the online applications, verification, ~~process~~ issuance of passport

2. General description:

Verification of the user must happen and the issuance of the passport must take place once the details of the user has been successfully verified and validated.

3. Functional requirement:

Process, applicants and generate unique application IDs

The application submission with document uploads, status tracking, management.

4. Interface requirements:

It must be able to accept uploads and must be able to accept details of the users.

The issuance status must be shown real time.

5. Performance requirement:

There are no response time limits and it must store the data in 200 GB 30m.

6. Design constraints:

It must use C++ to code the details and must be able to retrieve status details in $O(\log n)$ time.

7. Nonfunctional Attributes:

It must use AES encryption to safe guard employee details and must be using elgmal encryption for the data.

8. Preliminary Schedule and Budget:

Requirement Analysis: 4 weeks

System Design: 6 weeks

Development: 12 weeks

Testing: 6 weeks

Deployment: 2 weeks

Total Duration: 30 weeks.

Budget:

Software Development: \$50,000

Hardware Development: \$30,000

Software License: \$10,000

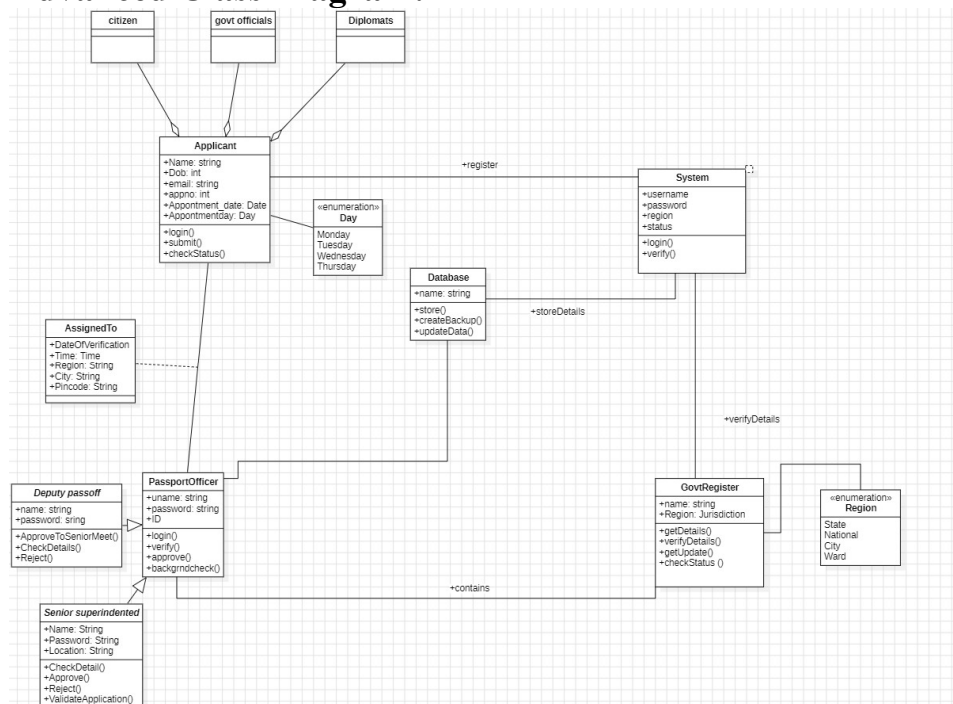
Testing: \$15,000

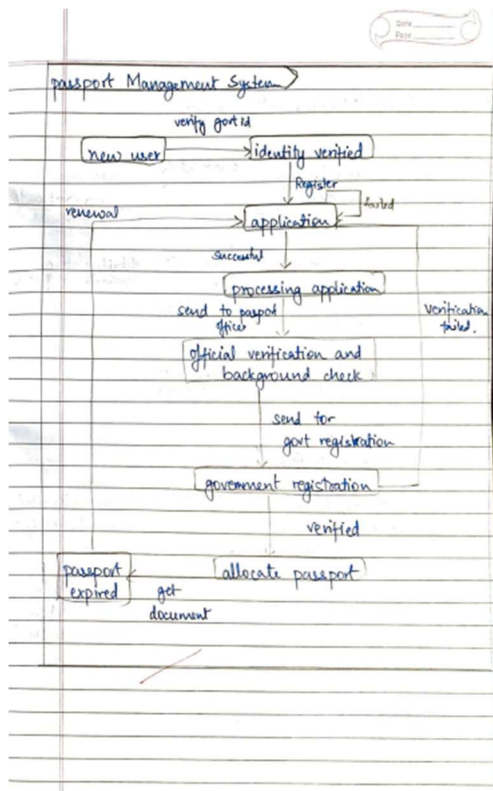
Project Management: \$8,000

Training and Documentation: \$7,000

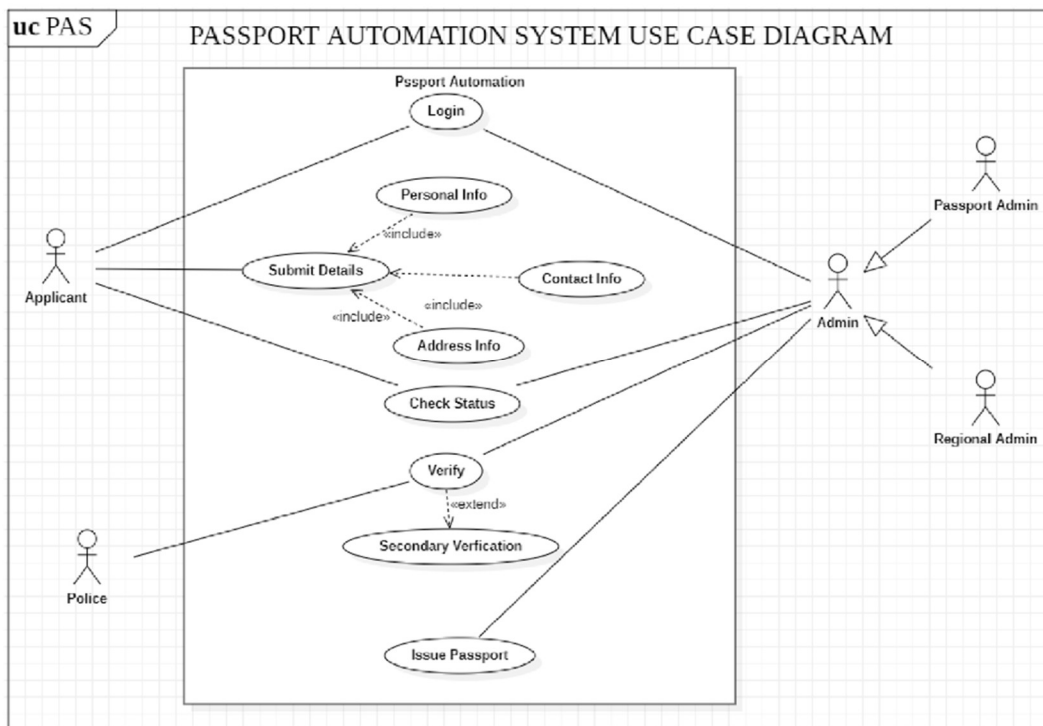
Total Budget: \$120,000.

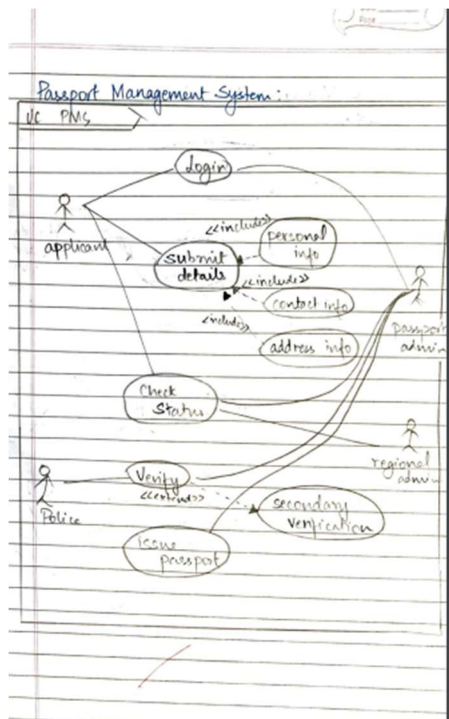
b. Advanced Class Diagram:



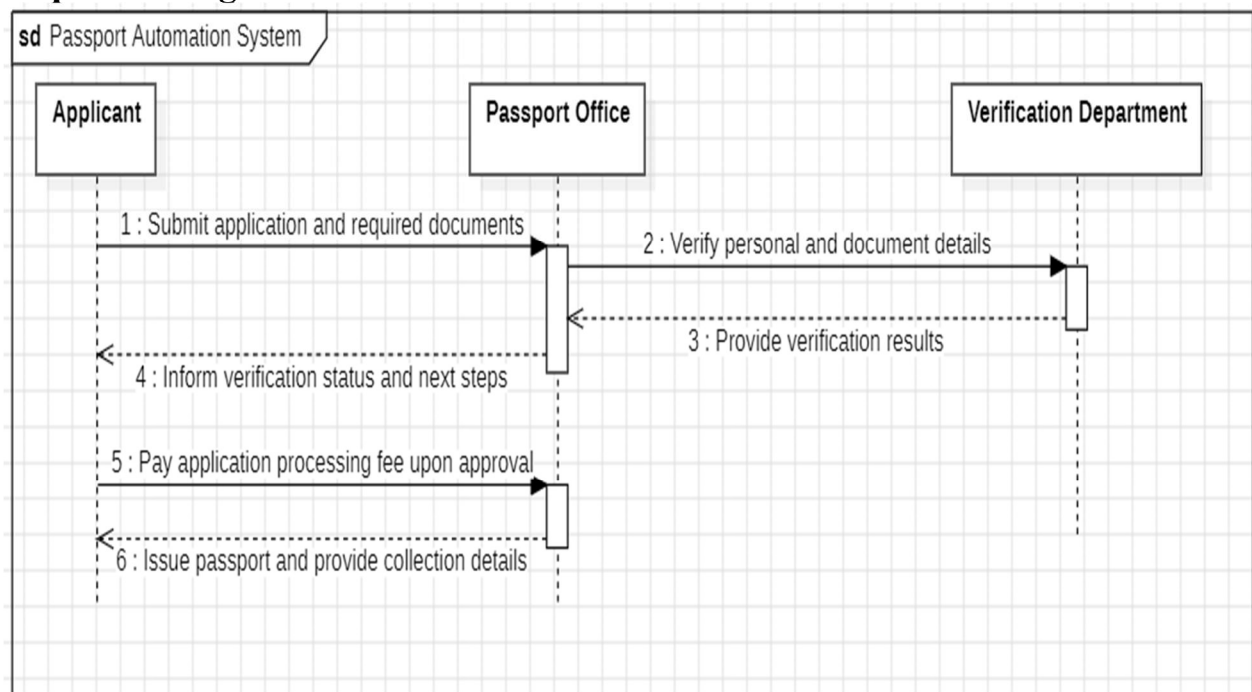


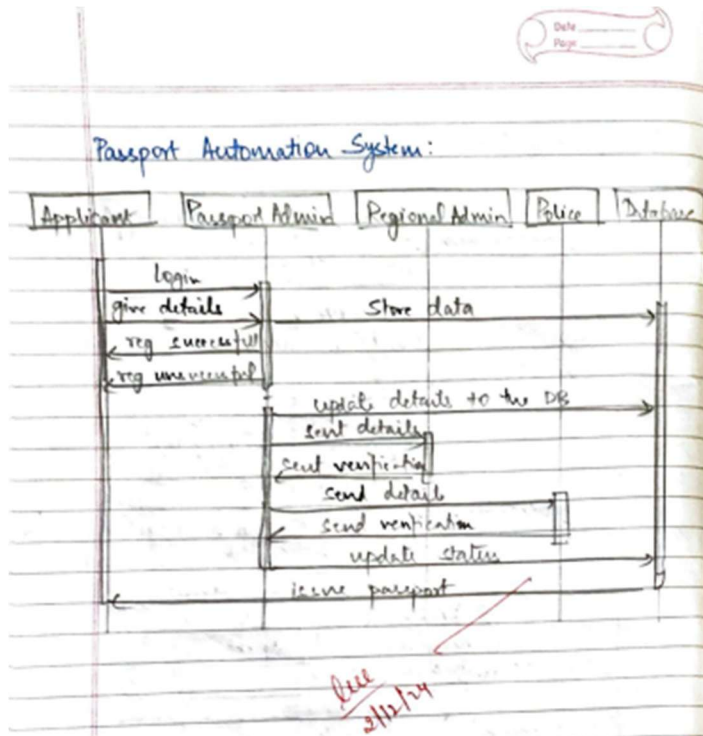
d. Use Case Diagram:





e. Sequence Diagram:





f. Activity Diagram:

