

6/10/24

classmate

Date

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## Passport automation System:

### 1. Introduction:

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

1.2 Scope of document:

- To streamline process of passport application, insurance, -management

1.3 Overview.

will facilitate the online application, verification, ~~insurance~~ 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:

Processes, 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 ram.

### 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 elgamal 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: \$59,000

Hardware Development: \$30,000

Software license: \$10,000

Testing: \$15,000

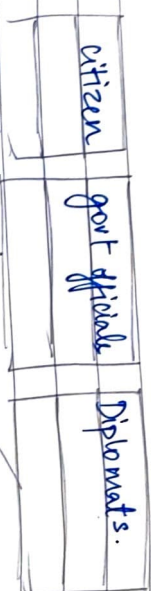
Project Management: \$8,000

Training and Documentation: \$7,000

Total Budget: \$120,000.



# Passport management System :-



## Applicants

name: string  
Dob: int  
email: string  
apno: str

Appointment date: Date  
Appointment day: Day  
login ()  
submit ()  
checkstatus ()

register

## enummeration

Day  
Monday  
Tuesday  
Wednesday  
Thursday

## Database

name: string  
store ()  
createBackup ()  
updateData ()

storeDetails

verifyDetails

## System

username: string  
password: string  
region: string  
status: string  
login ()  
verify ()

Deputy pass  
name: string  
password: string  
Approve To Senior  
checkDetails ()  
Reject ()

## Passport Officer

username: string  
password: string  
ID

login ()

verify ()

approve ()

backgrounder ()

confirms

yes

## Govt Register

name: string  
Region: string  
getDetails ()  
verifyDetails ()  
getUpdate ()  
checkStatus ()

## enummeration

Region  
State  
National  
City  
Ward

CentralReg

StateGov

