

6. Design constraints.
- must comply with the company's hardware infrastructure.
  - designed for easy integration with third-party ERP Systems.

7. Non-functional attributes.

- Security: Ensure data security and restricted access to inventory data.
- Scalability: Capable of managing inventories for multi-locators warehouse.
- Reliability: 99.9% uptime to ensure consistent stock update.

8. Preliminary Schedule and Budget

- Development Timeline : 7 months
- Estimated Budget : \$150,000

- integrate with government databases  
biometric verification systems to  
automate passport processing.
- user characteristics:
    - users will include full-time  
applicants, government officials,  
complete without technical support
  - System Constraints:
    - The system must support secure  
online submissions and tracking  
for passport applications.

### 3. Functional Requirements.

- online application submission and  
payment processing.
- Biometric verification integration.
- Appointment scheduling for in-person  
verification.
- Passport issuance and despatch  
management.
- Reporting for application status.

### 4. Interface Requirements.

- Web-based interface for applicants.
- Administrative portal for passport  
Officer Staff.

### 5. Performance Requirements

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

### 6. Design Constraints

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

### 7. Non-Functional Attributes

- Security : End-to-end encryption for sensitive data.
- Scalability : Scalable across multiple regional postpart offices.
- Reliability : 99.9% uptime for continuous operation.

### 8. Preliminary Schedule and Budget

- Development Timeline : 8 months.
- Estimated Budget : \$ 200,000.

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