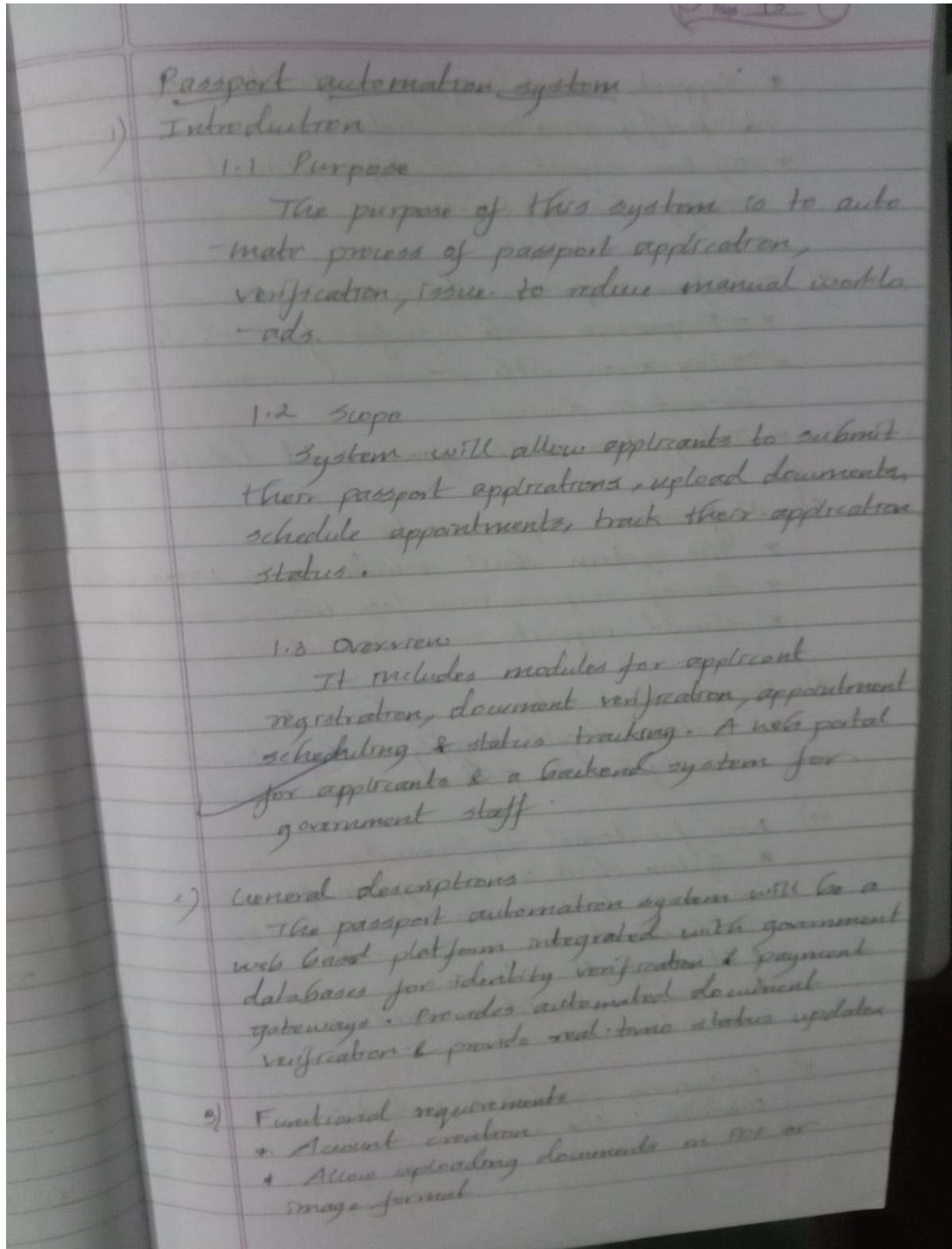


5. Passport Automation

a. SRS Document:



- * Support scheduling of verification appointments & notify available slots.
- * System should enable government staff to verify the application.

4) Interface requirements

- * Responsive web interface for all devices
- * Integration with document scanners & biometric devices
- * Integration with government databases

5) Performance requirements

- * The system shall handle upto 10000 users
- * Average response time less than 2 seconds
- * Should support 24x7 availability.

6) Design constraints

- * System should comply with national security & data protection standards

7) Non functional requirements

- * System shall use encryption for all sensitive data & have multifactor authentication.
- * High fault tolerance
- * System should be modular & maintainable.

8) Preliminary schedule & Budget

Duration : 30 weeks

Budget

Software development	\$50000
Hardware	\$30000
Licenses	\$10000
Testing	\$15000
Project management	\$8000
Documentation	\$7000
Total.	\$120000

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b. Advanced Class Diagram:

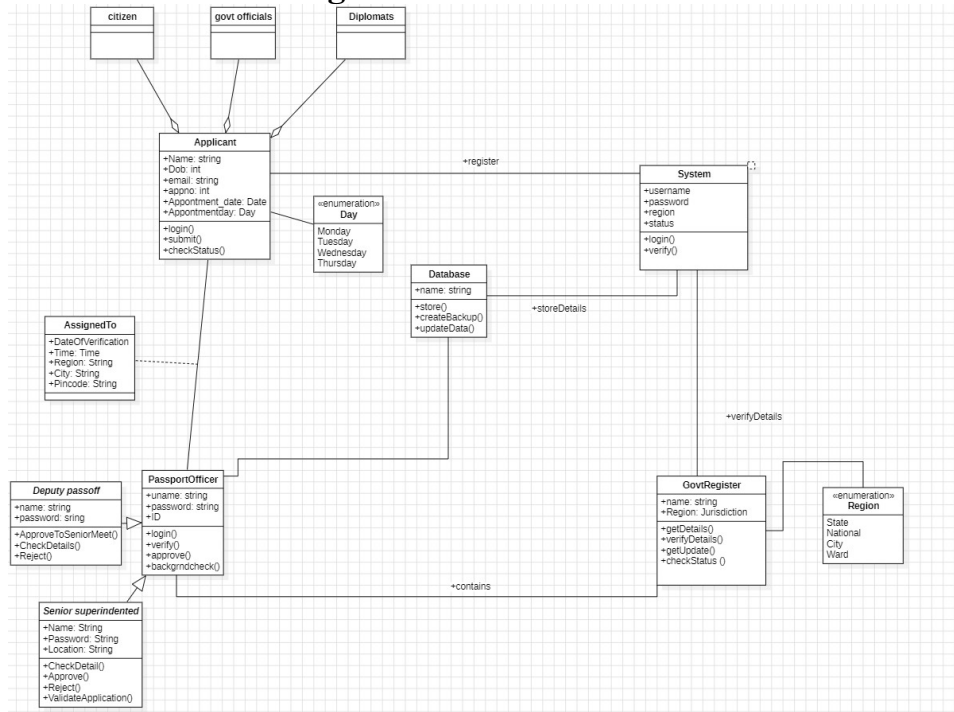


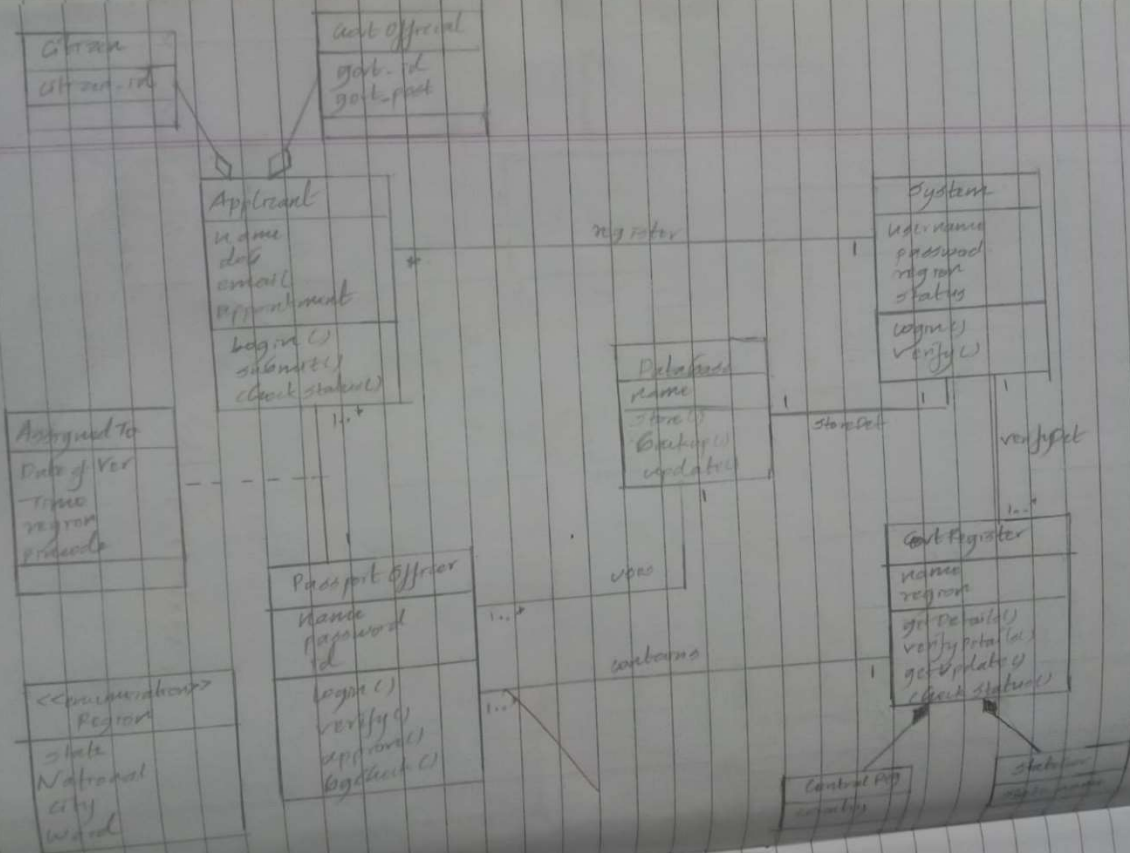
Fig 5.1

Passport management system that facilitates the process of applying for and managing passport applications. The key actors include applicants such as citizens, government officials, and diplomats, who interact with the system to submit their applications, book appointments, and track their status. Applicants provide essential details like their name, date of birth, and appointment information and can log in to the system to check updates on their application. The system itself handles the core processes, such as user registration, login, and verification of details. All the information is stored and managed in a central database, which ensures that application data is securely stored, backed up, and updated as needed. Applications are assigned to specific Passport Officers based on the region, appointment schedule, and other factors. These officers are responsible for verifying documents, approving or rejecting applications, and updating the system with their decisions.

The process is overseen by Senior Superintendents, who validate and approve final decisions to ensure accuracy and compliance. Additionally, a Cover Register tracks applications based on their jurisdiction, categorizing them by state, city, or ward, and ensuring they are routed to the correct authorities.

This system organizes tasks efficiently by linking the roles of applicants, officials, and system components. It simplifies the workflow, ensures data security, and provides transparency for applicants to monitor their application progress.

Passport automation system



c. Advanced State Diagram:

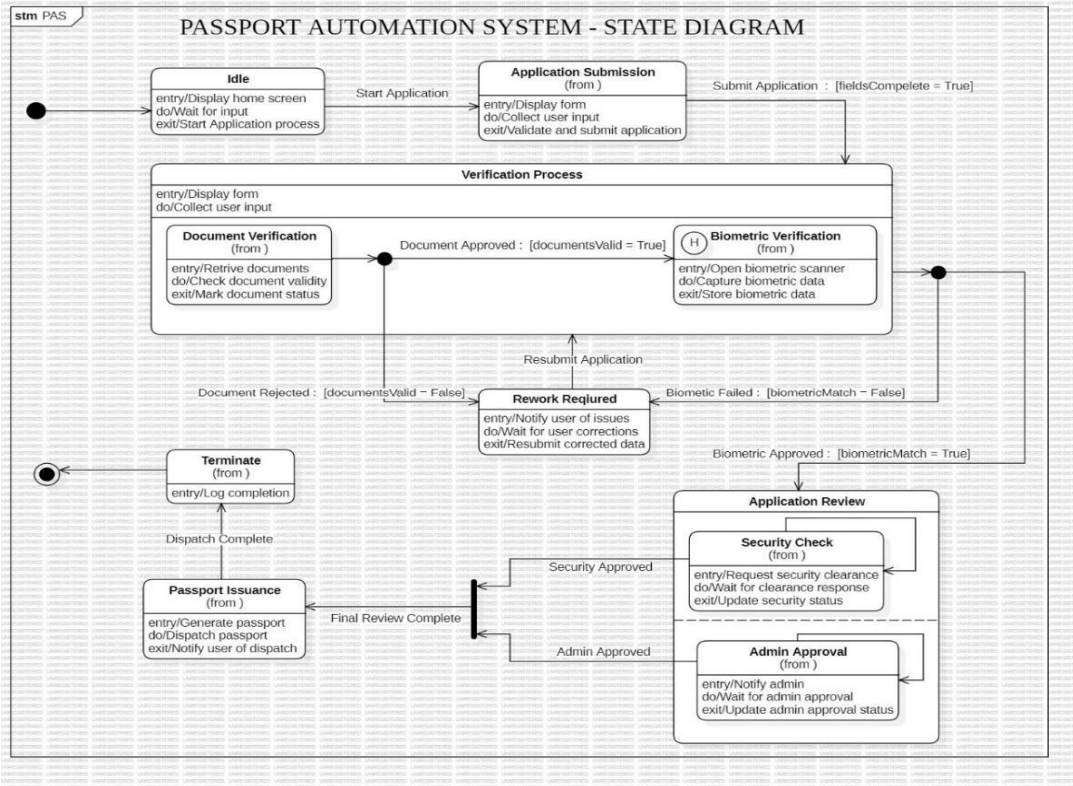


Fig 5.2

d. Use Case Diagram:

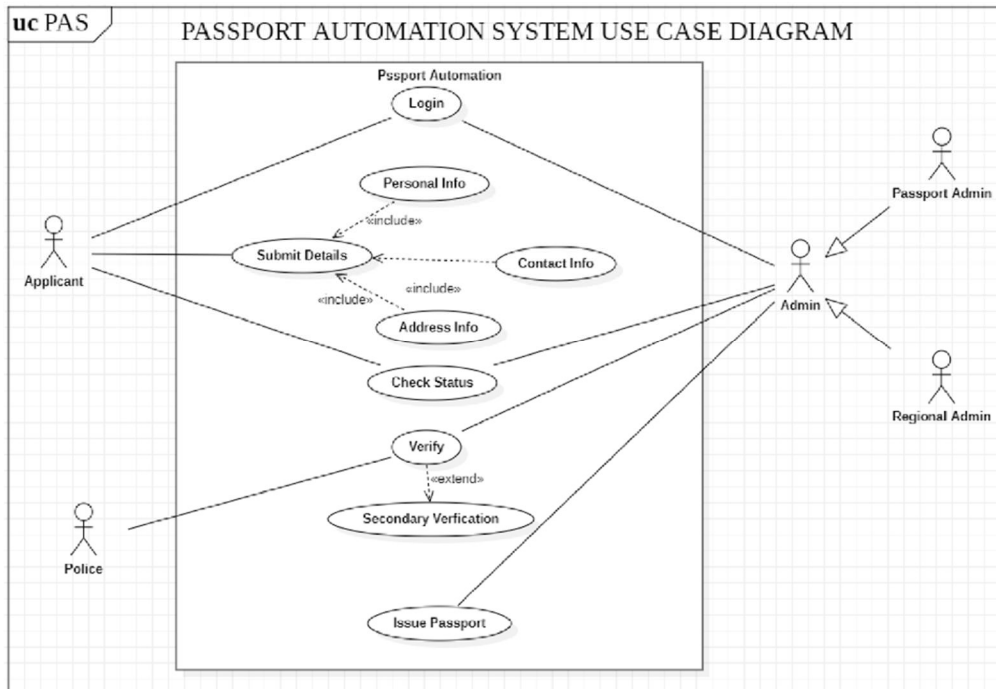
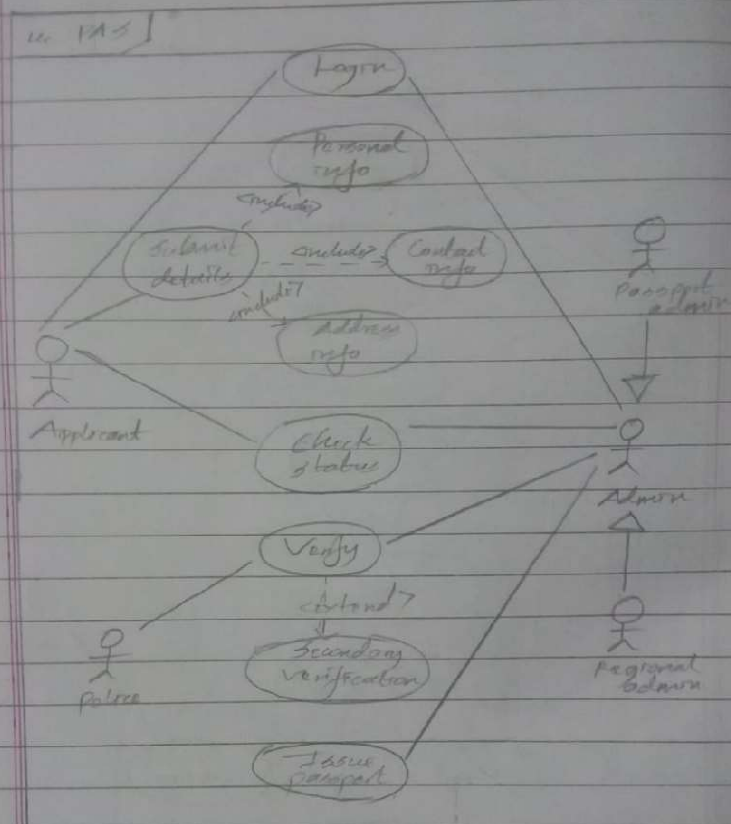


Fig 5.3

5) Passport automation system



e. Sequence Diagram:

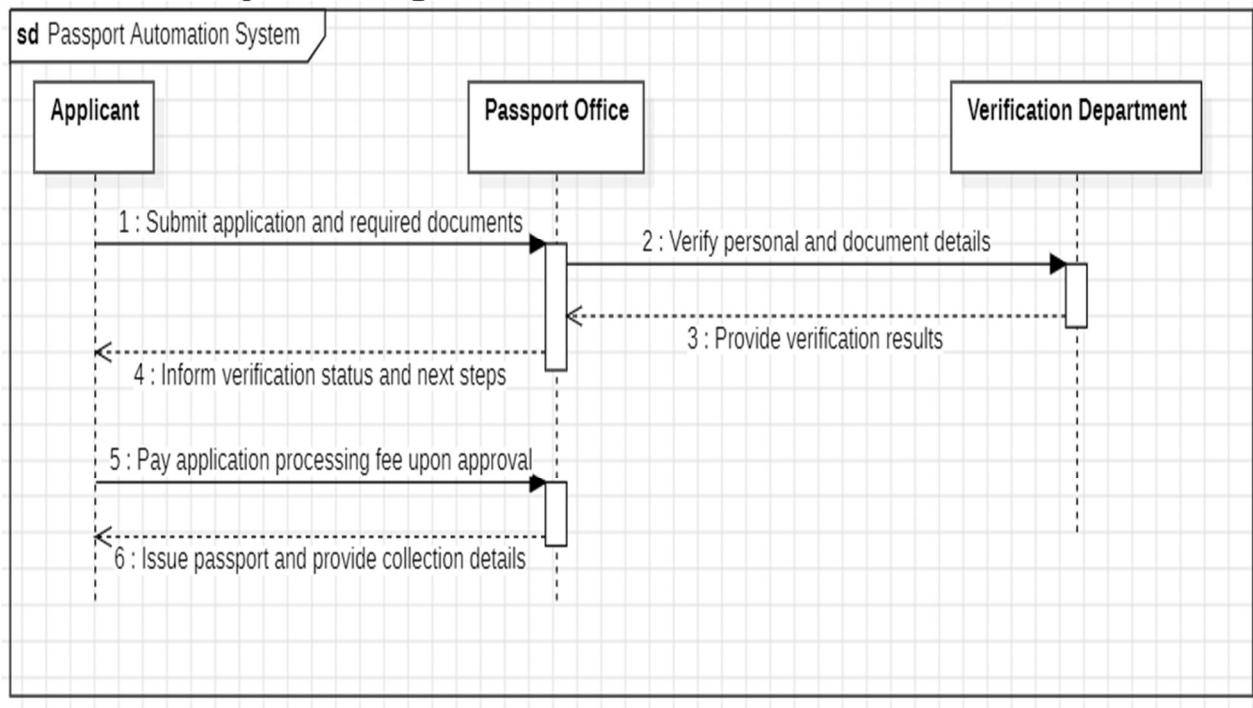
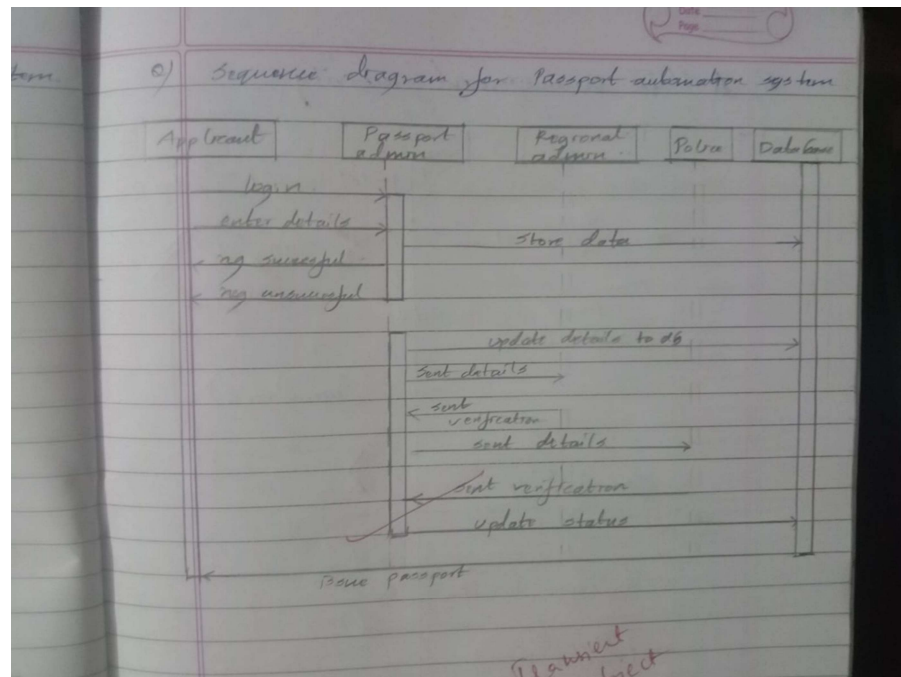


Fig 5.4



f. Activity Diagram:

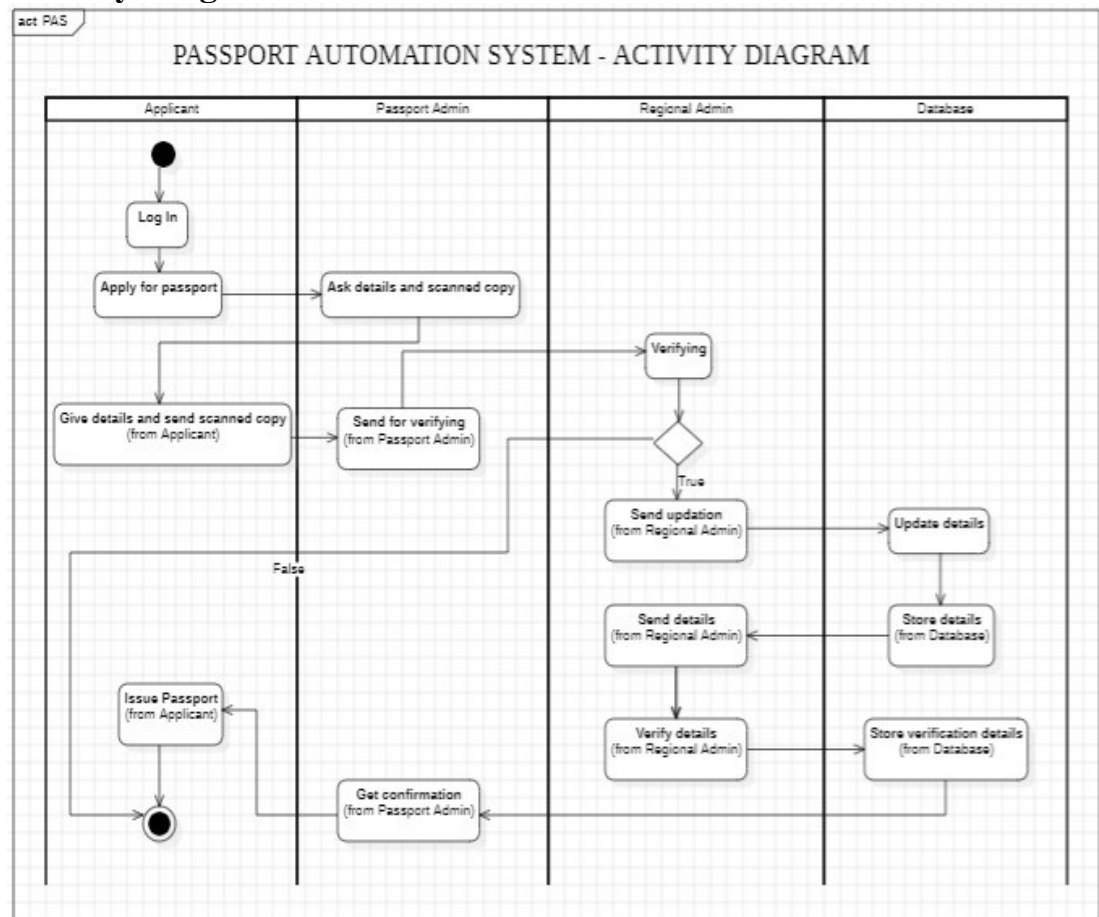


Fig 5.5

e) Passport automation system

