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PROBLEM STATEMENT :

Identify the use cases and actors and their relationships for Passport Automation System and depict it with a Use Case diagram:

Passport Automation System: To simplify the process of applying for a passport, a software system has to be created. Initially the applicant will login to the passport automation system and submit his details. These details are stored in the database and verification process is done by the passport administrator, the regional administrator and the police, then the passport is issued to the applicant.

1. Passport Automation System is used in the effective dispatch of passport to all of the applicants. This system adopts a comprehensive approach to minimize the manual work and schedule resources, time in a cogent manner.
2. The core of the system is to get the online registration form (with details such as name, address etc.,) filled by the applicant whose testament is verified for its genuineness by the Passport Automation System with respect to the already existing information in the database.
3. This forms the first and foremost step in the processing of passport application. After the first round of verification done by the system, the information is in turn forwarded to the regional administrator's (Ministry of External Affairs) office.
4. The applicant can optionally seek ECNR status enabled by providing Graduation Certificates and Employment details.
5. The application is then processed manually based on the report given by the system, and any forfeiting identified can make the applicant liable to penalty as per the law.
6. The system forwards the necessary details to the police for its separate verification whose report is then presented to the administrator. After all the necessary criteria have been met, the original information is added to the database and the passport is sent to the applicant

USE CASE SPECIIFICATION :

- **Overview**: To issue passport to an applicant and verify it.
- **Actors**:
    - Applicant
    - Passport Administrator
    - Police Officer
    - Database
    - Regional Database
- **Pre-conditions**:
    - 10th grade and 12th report cards must be available.
    - Unique Identification as a citizen required. (Ex: Aadhar card, Driving license, etc)

DESCRIPTION :

1. **Login**: Applicant logs in to the system
2. **Online Registration**: Applicant provides his/her details for registration
3. **Verification**: To verify the information given by the applicant.
    - Testament is verified for its genuineness by the Passport Automation System with respect to the already existing information in the database.
    - After the first round of verification done by the system, the information is in turn forwarded to the regional administrator's (Ministry of External Affairs) office.
    - The application is then processed manually based on the report given by the system, and any forfeiting identified can make the applicant liable to penalty as per the law
    - The system forwards the necessary details to the police for its separate verification whose report is then presented to the administrator.
    1. ECNR Status: it is optional and if applicant wants to get the status he has to submit certain documents.
    2. Dispatch Passport: If everything is satisfied, passport is issued to applicant.

- **Exceptions**:
1. Passport gets cancelled when details not accurate.
2. Passport Declined when there are criminal record or other discrepancies found.
- **Alternate Flows**:
    1. Issue of passport will be cancelled, and applicant must correct everything and reapply.

- **Post Conditions**:

2. Passport is issued to the applicant through post and they can now travel with ease.
3. Details added to database.

USE CASE DIAGRAM :