Writeup for mAadhar Application

* Begin
* Design the database schema to store user information, Aadhar application details
* Backend
* Implement RESTful APIs for registration, login, applying for a new Aadhar card, updating Aadhar details, applying for a duplicate Aadhar card, and applying to close Aadhaar card (due to death).
* Use Spring Boot to simplify API development.
* Utilize JPA and Hibernate for object-relational mapping to interact with the MySQL database.
* Frontend
* Develop a user-friendly web application where users can register, login, and perform other Aadhar-related operations.
* Use Angular as the frontend framework to build dynamic and responsive web pages.
* Utilize Bootstrap for easy styling and layout.
* Use HTML/CSS for designing the user interface.
* Admin Portal
  + Login through admin credentials
  + Approve new Aadhaar Card request
  + Verify request for duplicate Aadhaar
  + Display all issued Aadhaar Card
  + Delete Aadhaar card details for dead citizen
* User Portal
  + Sign in to apply for a new Aadhar Card
  + Login to see the Aadhar number assigned by the admin
  + Update address, phone number, and date of birth of Aadhaar
  + Request duplicate Aadhaar Card
* Automation and Testing
* Implement test automation using Selenium and TestNG for functional and integration testing.
* Write test cases to validate different functionalities of the application
* DevOps
* Use Git for version control to manage the source code.
* Host the code repository on GitHub for collaboration and easy access.
* Set up a Jenkins pipeline for continuous integration and deployment.
* Use Docker to containerize the application for easier deployment and scalability
* End