

### **Steps involved in the procedure:**

Step 1: create a registration page

Step 2: And then enter the login page

Step 3: Then applied for a new Aadhar card

Step 4: And then place a request for updating the Aadhar details

Step 5: In this procedure Admin part – to approve the Aadhar application and issue a new Aadhar number

Step 6: Then apply to close the Aadhar card (due to death)

### **The technologies should be used:**

- **Database:** MySQL
- **Backend:** Java Programming (Spring Boot, JPA, Hibernate)
- **Frontend:** Angular, Bootstrap, and HTML/CSS
- **Automation and testing technologies:** Selenium and TestNG
- **DevOps tools/technologies:** Git, GitHub, Jenkins, and Docker.

### **Admin Portal:**

The admin portal deals with all the backend data generation. The admin user should be able to:

- 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:**

It deals with user activities. The end-user should be able to:

- 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 Card  
Request duplicate Aadhaar Card.

#### **Front-end validation part:**

- For admin: The password should have at least: One Uppercase, one lowercase, one special character (@, #, &....), and one number.
- For citizens: The password should consist of only digits.

#### **Back-end Validation part:**

- Mobile number validation should be applied.
- Password length should not be less than 6 characters.
- For citizens: The home page would authenticate only if the mobile number provided in Aadhaar is matching with the password.

#### **The input data for Backend Rest API:**

##### **➤ To register for the new citizens:**

HTTP Method: POST

URL: <http://localhost:6789/AadharApp/citizens>

Request Body:

```
{  
  "name": "Uttam Patel",  
  "dob": "2011-08-23",  
  "address": "2/5 Heerabagh Flats",  
  "emailId": "uttampatel0811@gmail.com",  
  "mobile No": "7976694711",  
  "gender": "Male"  
}
```

