**mAadhar Application**

Project 1

DESCRIPTION

**Problem statement:**

Develop an application to automate the process of applying for an Aadhar Card by making it smoother for Indian citizens.

**Scenario:**

**Varniraj Service PVT. LTD** is closely working with “The Government of India” to help them get a solution for processing applications for Aadhaar Card. Application is intended to register citizens and let them display ID to process their Aadhar Card application.

**Features of the application:**

* Registration
* Login
* Apply for a new Aadhar Card
* Place a request for updating Aadhar details
* Apply for a duplicate Aadhar Card
* Admin: Approve Aadhar Application and issue new Aadhar number
* Apply to close Aadhaar card (due to death)

**Sprint:**

The project is planned to be completed in 1 sprint.

Planning:

1)Creating the flow of the application

2)Writing java, springboot code .

3)Testing codes in postmant .

4) Pushing code to GitHub.

5)Document writing

**Developer:** Hridoy Sutar

**Github link**: <https://github.com/hridoysutar1/mAadhar>

**Mark Up:** HTML

**Style**: CSS, Bootstrap

**Fronend Framework:** Angular

**Server:**Tomcat

**Backend:** Spring boot

**Programming Language:** JavaScript, java

**Tools used**: Eclipse, VS code, git, github, Postmant, MySql Workbench

**Concepts:**

HTML: elements, attribute, heading, paragraph, link, image, class, id, list, form,

CSS: style, selector, color, border, margin, padding, icon, font, text, box-model, block, Inline, background, height, width, bootstrap, navbar, button, carousel, form, footer.

Javascript: typescript,var,let const, operator, data types, string, function, object, events, methods.

Angular: cli, modules, component, lifecycle, template, directives, data binding, routing, form, reactive form.

Java: Java basics, Java Object Oriented Programming, Data Structure, List, ArrayList, Algorithms, Conditional Statements,loop.

Database: MySql, Table, Entity

Spring Technology: Spring Core, Spring web, Spring MVC, Model, Service, Repository, Controller, Spring boot web, JPA, Autowiring, Mapping

Rest API: Rest APIs, Http method, web service

**Process:**

**Frontend:**

1)Created angular project by angular cli.

2)Configured project.

3)Add bootstrap link in index.html.

4)Wrote html code in app.component.html and style code in app.component.css.

5) Created services .

6) Generated all required component. Wrote html and css code. Fix the route path in app-routing.module.ts.

7)In service file imported HttpClient, HttpHeader, HttpParams all required method. Created a instance of HttpClient.

8) Set route for all component.

Backend:

1)Creted a spring boot project.

2) Selected all dependencies .

3) Selected spring security dependency.

4)Update project

5) Configured all required properties in application.properties.

7) Creation of all required model.

8)Creation of all required Repository class.

9)Creation of all required controller class.

**Pushing to git repository:**

* Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

* Initialize your repository using the following command:

git init

* Add all the files to your git repository using the following command:

git add .

* Commit the changes using the following command:

git commit . -m “Changes have been committed.”

* Push the files to the folder you initially created using the following command:

git push -u origin master