Backend --🡪 Spring boot with MySQL database

mAadhar\_backend\_app

starter -🡪

web starter

jpa starter

mysql connector

devtools

port number 🡪 9090

with application.propeties file contains details details.

Login Entity class : emailid(PK), password, typeofuser

Citizends class

“aadharnumber” 123412341234

"name": "Uttam Patel",

"dob": "2011-08-23",

"address": "2/5 Heerabagh Flats",

“password”:”uttam@123”

"emailId": "uttampatel0811@gmail.com", unique

"mobileNo": "7976694711", unique

"gender": "Male"

Repository : Login and Citizens

Service

Controller

Rest API

Frontend ---🡪Angular

mAadhar\_frontend\_app

ng new mAadhar\_frontend\_app

routing -🡪 yes

styling -🡪 css

we will add bootstrap features

ng g c login component

ng g c citizenregister component

ng g class login model to map the json data to map entity

ng g class citizen model to map the json data to map entity

ng g s login service

ng g s citizen service

ng g c admindashboard component

ng g c citizendashboard component

when frontend 🡪 angular -🡪 4200

backend 🡪 spring boot -🡪 9191

through browser using http protocol

cros : Cross Origin Resource Sharing -🡪

whenever citizen do the signup keep one extra column or popery as status

1. First time status must applied.
2. When admin do the login then can change the status ie approved or rejected.
3. If citizen do the login when citizen click on view aadhar card if approved show the aadhar card details else your aadhar rejected.

aadharnumber | bigint | NO | PRI | NULL | |

| address | varchar(255) | YES | | NULL | |

| dob | date | YES | | NULL | |

| emailid | varchar(255) | YES | UNI | NULL | |

| gender | varchar(255) | YES | | NULL | |

| name | varchar(255) | YES | | NULL | |

| password | varchar(255) | YES | | NULL | |

| phonenumber | bigint | YES | UNI | NULL |

Status : first applied, approved or denied

Typeofcard : original/duplicate

After development you need to build the projects.

Backend spring boot create the jar file using mvn package command.

Before mvn package please remove testing dependencies and in application.properties file please add container name of database ie mysql, username and password.

Using mvn package create jar file

Then create the Dockerfile

FROM openjdk:17

COPY ./target/mAadhar\_backend\_app-0.0.1-SNAPSHOT.jar .

CMD ["java","-jar","mAadhar\_backend\_app-0.0.1-SNAPSHOT.jar"]

Frontend using ng build . build the projects.

Now stop angular project and using ng build. Build the angular project.