

MAADHAR APPLICATION

Problem Statement:

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

Background of the problem:

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 Aadhaar Card application.

Developer Details:

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GitHub Link:

<https://github.com/PradeepaSaravanan/Java-Phase-Projects/tree/master/Phase6/CapstoneProject>

Sprints planned and the tasks achieved:

This Project is completed in four sprints.

Sprint-1:

1. Plan the project.
2. Find the flow of the application.
3. Setup the tools required to frontend and backend projects

Sprint-2:

Creation of backend Project

1. Create Spring boot project.
2. Add necessary dependencies for the project
3. Perform the necessary crud operations
4. Run the project
5. Use postman to perform the operations

Sprint-3:

Creation of Frontend Project

1. Create Angular project in Visual Studio.
2. Created required component to achieve our requirements.

Sprint-4:

1. Integrate Frontend with Backend using HttpRequest and HttpResponse.
2. Push the code to github.

Algorithms:

Backend:

1. Create a Spring Boot Project and import necessary dependencies.
2. Configure with MySQL database in application.properties under src/java/resources.
3. Create entity, repository, service, exception handler and Controller.
4. In Controller, all the http methods are mentioned to perform the CRUD operations.
5. Add the frontend url to integrate with Frontend application.
6. Run the project as java application.
7. Hibernate will automatically create the tables and perform its operations.

Frontend:

1. Create Angular project in Visual Studio Code.
2. Created the required components like employee, home, login and signup.
3. Created the Service and do the operations.
4. Add the backend url to integrate with backend application.
5. Run the project.

Core concepts used in the project:

- Spring Boot

- Hibernate
- JDBC
- MySQL
- HTML
- CSS
- Bootstrap
- Angular
- JPA