

Ministry Category : **Government of Delhi**

Problem Code: **#GDL19**

Problem Statement : **Develop a software where old age pension applications are queued up and pulled up**

Current AICTE Application No : **1-3324357150**

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Idea/Approach Details

Solution Prototype:

The quick settlement of pension for the retired and old age pension scheme beneficiaries is vital for a government because people depend on financial security invariably. So, we propose an end-to-end solution for this problem. It involves the development of web portal which can accept applications online. These applications gets queued up and they can be pulled up as and when vacancies become available by the administrator. The web app will operate on 2 user modules:

- **Applicant Module**
- **Administrator Module**

Contd...

The Applicant/Pensioner Module:

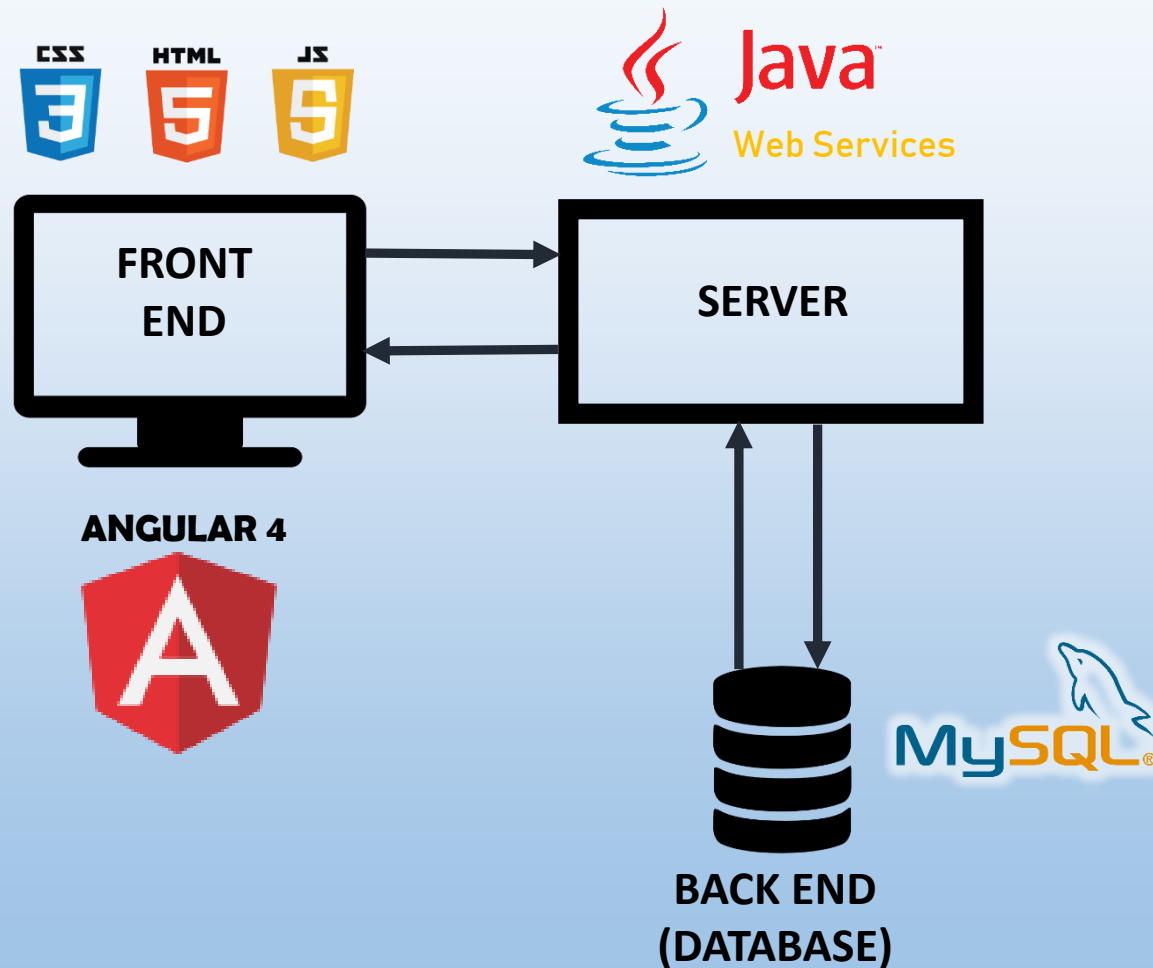
So, for the pensioner, he/she can easily apply through the online application form provided by the government. The important instructions and guidelines would be displayed on the Homepage itself. Special care will be taken to make the interface as user friendly as possible for less technologically skilled senior citizen. The front end of the software would contain the basic tabs like:

- Home Page (will contain links for FAQ's, Notices, Instructions if needed)
- Apply Online tab
- Download Submitted Application
- Check Status of Application tab

The Administrative Module:

- The Login page asks the administrator to log in with the credentials. The official can view the live applications here. Once the available vacancies are filled-up, the portal will accept new application forms but it will not be visible to the admin for consideration. These applications will be queued up in order of their arrival.
- The live applications can be sorted on the basis of the various districts and constituencies. So, the administrator can search applications on the basis of the constituency or district of the applicant. Admin can accept or reject the live applications. Once she rejects an application from a constituency, a fresh one will be popped up from the queue as per given priority to fill up the vacancy available for that particular constituency. It will be shown to her as a live application.
- Other functionalities include generation of list of approved applications along with their details is also available for the admin's perusal.

Technology Stack:



Front End:

- We will use **Angular version 4** framework to build the web app.
- The front end will send request to Java Web Services to perform back end operations.

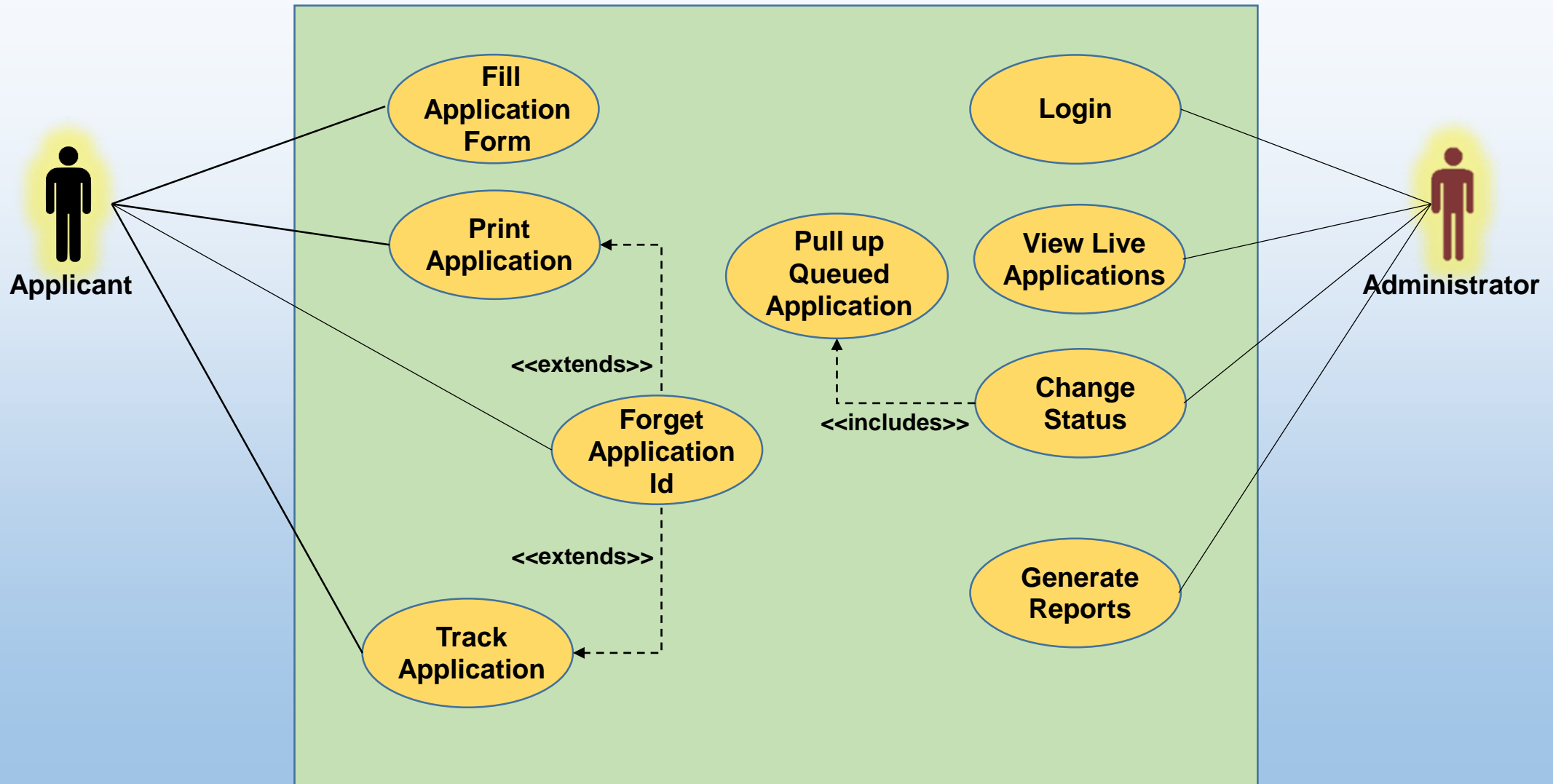
Web Services:

- The **Java Web Services** will run on a **Apache Tomcat** server. Database should be queried by these web services.
- We will use **Jersey RESTful Web Services** framework (**JAX-RS**) .
- The web services will return **JSON response** to the Angular front end.

Back End:

- We will use **MySQL database**
- It will be accessed through JAVA Web Services using **JDBC API**

Use Case:



Dependencies / Show stopper:

- This would require **access to internet** for applicants.
- The **administrator login** module can be **dependant** on the **existing authentication system** so that the administrator can **directly login** using **@gov.in** or **@nic.in** account.