

Pension Management System

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Introduction

Pension management is one of the major concerns currently in the India. The project encourages citizens to apply for pensions by providing user friendly and secure interface. It enables citizens to secure their future post retirement. This application can be used by a pension management company to manage customers, staff members, contributors and trust funds.

Spring Boot

What is Spring Boot ?

Spring Boot is a project that is build on the top of Spring Framework.

It provides an easier and Faster way to set up, configure, and run both simple and web – based applications.

Annotations

Spring Annotations are a form of metadata that provides data about a program. Annotations are used to provide supplemental information about a program. Some annotations are as follows:

@Component is an annotation that allows Spring to automatically detect our custom beans.

@Autowired annotation can be used to autowire bean on the setter method just like **@Required** annotation, constructor, a property or methods with arbitrary names and/or multiple arguments.

Spring @RestController annotation is a convenience annotation that is itself annotated with **@Controller** and **@ResponseBody** .

Maven

The Spring Boot Maven Plugin provides Spring Boot support in Apache Maven. It allows you to package executable jar or war archives, run Spring Boot applications, generate build information and start your Spring Boot application prior to running integration tests.

Docker

Docker is an open source containerization platform. It enables developers to package applications into containers—standardized executable components combining application source code with the operating system (OS) libraries and dependencies required to run that code in any environment.

Postman

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.

Procedure

Step 1: Install maven on your machine by using the command 'mvn clean Install'.

Step 2: Keep open the Docker Desktop and Run the command for docker i.e.
'docker-compose -f docker-compose-mysql.yml up -d'

Step 3: Run the command 'mvn spring-boot:run'.we will get the port no.

Step 4: Use this port no. in the postman and send a request.

Step 5: In CLI use the command 'mysql -uuser -ppassword -hlocalhost -P3306 ' and check the data in a tables.

Conclusion

Pension Management System is a system that is designed to manage pension activities for both customers and Pension Fund Administrators (PFA). A web-based pension fund management system is beneficial to a pension fund management.



Thank You.