

# Pension Management System

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# Project Briefing

- This application allows admin to provide pension to respective pensioner. user can view their details and able edit his/her details which need to approved by administrator.

## Microservice

- This microservice provides access data using admin's and applicant's credentials only.
- It provides pension details by employee registered id.
- For example: If employee need to get details regarding pension, he/she can fetch details by using username and password.

## Tools Used

- Apache Maven
- Docker
- Java
- Spring Boot
- MYSQL

# Maven



It is a project build tool that comes under the license of Apache, and there are whole hosts of libraries available in the Maven repository. Development team can automate the project's build infrastructure in almost no time as Maven uses a standard directory layout and a default build lifecycle.

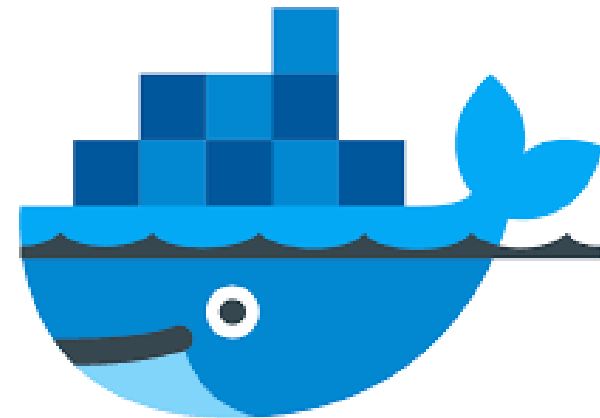
# Java

Java is a class-based, object-oriented programming language and is designed to have as few implementation dependencies as possible. A general-purpose programming language made for developers to write once run anywhere that is compiled Java code can run on all platforms that support Java.



# Docker

Docker is a set of platform as a service (PaaS) products that use OS-level virtualization to deliver software in packages called containers





# Spring Boot

Spring Boot is an open-source Java based framework used to create a micro-service. It is developed by Pivotal Team and is used to build stand-alone and production ready spring applications.





# Spring Boot main Components

Spring Boot Starters - basically groups the related or transitive dependencies into single dependency.

Spring Boot Auto Configurator – reduce the spring configuration.

Spring Boot CLI - used to run and test the Spring Boot application from command prompt.

Spring Boot Actuator – provides End Points and Metrics.

# MYSQL

A database is a structured collection of data. A relational database is a digital store collecting data and organizing it according to the relational model. An RDBMS is simply the set of software tools used to actually implement, manage, and query such a database.



## Conclusion

This application is used for accessing and managing pension details by admin and user.



Thank You

