



EMPLOYEE MANAGEMENT

INTRODUCTION

Full Stack Application-**Employee Management**

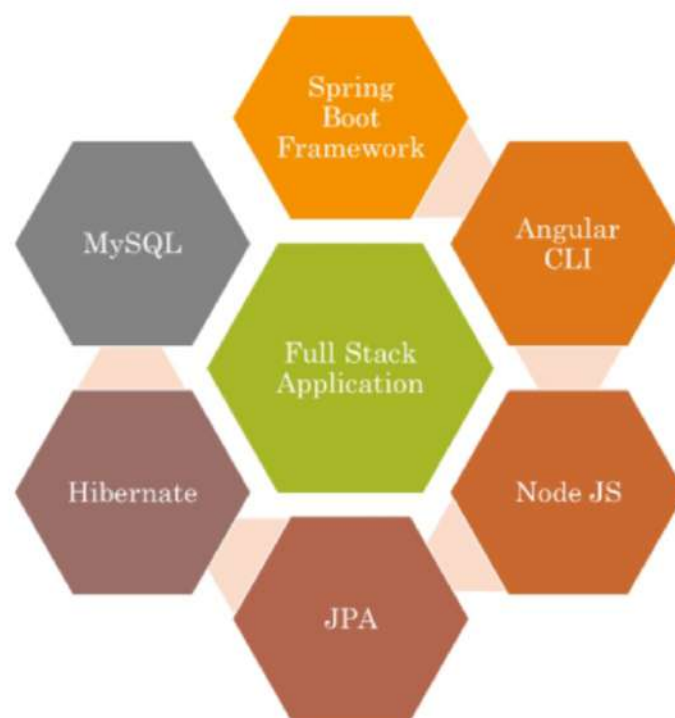
The employee management system is built using a full stack development approach, which encompasses both front-end and back-end technologies.

The front-end is developed using modern web technologies such as Angular, while the back-end is powered by java framework technologies SpringBoot, and a relational database management system (RDBMS) such as MySQL.

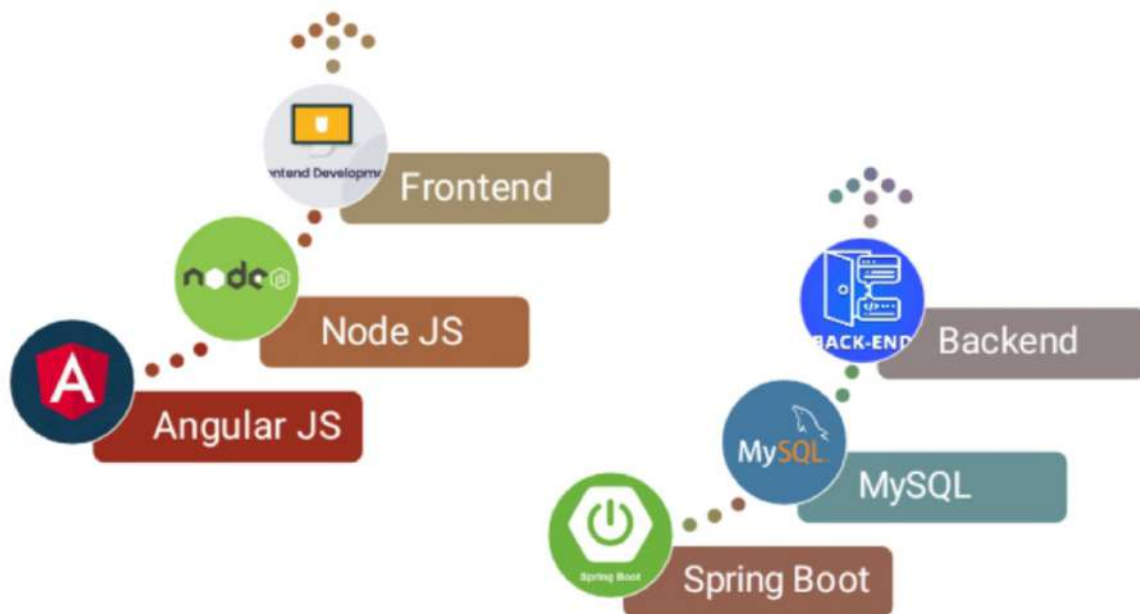
The primary objective of our employee management system is to automate and streamline common employee-related tasks, including employee information management, leave and attendance management, performance tracking, and payroll processing. The system provides an intuitive user interface that allows administrators and managers to easily navigate and perform various employee management functions.



Technologies used.



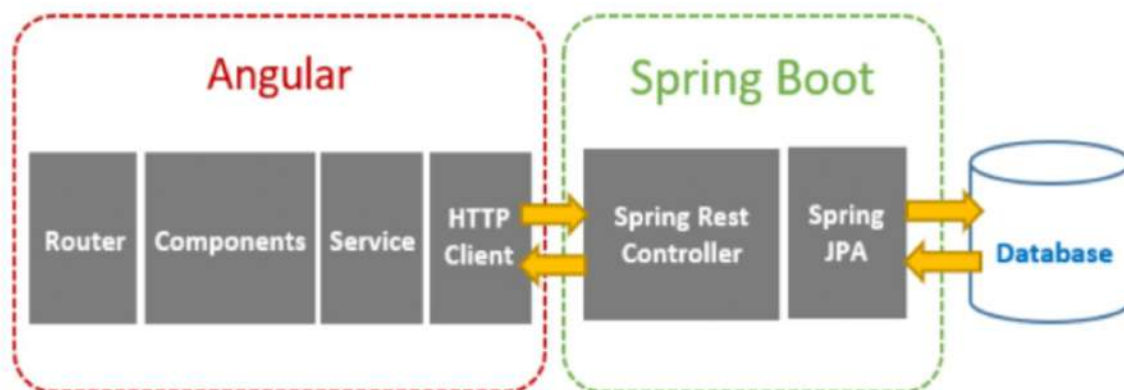
The Architecture of the Project



CRUD Operations



The Architecture of Angular, Spring & database(MySQL)



EmployeeFrontend

localhost:4200/about

GmailYouTubeMaps

EmployeeManagementAdd EmployeeShow AllEmployee

ResigitationLoginLogOutContact Us

About Us

6 WAYS TO CUT DOWN COSTS & SAVE TIME FOR EMPLOYEE MANAGEMENT

The diagram illustrates the 'Key Areas of Employee Management' as a central hub with six surrounding branches, each represented by an icon and a label: 'Hiring' (top, person icon), 'Measuring' (top-right, bar chart icon), 'Interacting' (bottom-right, speech bubbles icon), 'Developing' (bottom, head with gear icon), 'Forwarding' (bottom-left, arrow icon), and 'Disciplining' (top-left, person with checkmark icon). The central hub is labeled 'Key Areas of Employee Management' and includes a sub-label 'Fit Small Business'.

Employee management is a broad term that encompasses every aspect of managing, developing, and interacting with your employees. The aim is to give your team members every tool and advantage necessary to help them achieve their personal goals so that your company reaches its corporate objectives. When properly managed, employees become more efficient, engaged, loyal, and supportive of the company and their work. As such, your company can expect increased employee satisfaction, engagement, retention, and overall cost savings. Managers often say that they get caught in the minutia of projects, executing tasks that should be delegated. This is a pitfall for many managers, and it often leaves their employees to make important decisions with little direction or strategic insight from their superiors.

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35°C
Mostly sunny

Search

FNG
IN

16:30
10-04-2023

workspace-spring-tool-suite-4-4.18.0.RELEASE - spring-boot-backend/src/main/java/net/javaguides/springboot/SpringbootBackendApplication.java - Spring Tool Suite 4

File Edit Source Refactor Source Navigate Search Project Run Window Help

Package Explorer X

- SecondSpring
- springboot-backend [boot] [devtools]
 - src/main/java
 - net.javaguides.springboot
 - SpringbootBackendApplication.java
 - net.javaguides.springboot.controller
 - net.javaguides.springboot.exception
 - net.javaguides.springboot.model
 - net.javaguides.springboot.repository
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-17]
 - Maven Dependencies
 - src
 - target
 - mvnw
 - mvnw.cmd
 - pom.xml
- SpringDataJpa
- SpringFirstDemo
- SpringFirstDemo_SpringFirstDemo [boot] [devtools]
- Springstarter [boot] [devtools]
- Springstarter2 [boot] [devtools]
- Thiddemo

Boot Dashboard X

Type tags, projects, or working set names to match (incl. * and ?)

local

11 elements hidden by filter

application.properties Employee.java EmployeeRepository.java SpringbootBackendApplication.java X

```
1 package net.javaguides.springboot;
2
3 import org.springframework.boot.SpringApplication;
4
5
6 @SpringBootApplication
7 public class SpringbootBackendApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(SpringbootBackendApplication.class, args);
11     }
12 }
13
14
```

Problems Javadoc Declaration Console X

springboot-backend - SpringbootBackendApplication [Spring Boot App] D:\sts\sts-4.18.0.RELEASE\plugins\org.eclipse.justopenjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20230204-1729\jre\bin\javaw.exe (10-Apr-2023, 3.21)

Spring Boot (v3.0.4)

```
2023-04-10T15:21:15.782+05:30 INFO 1644 --- [ restartedMain] n.j.s.SpringbootBackendApplication : Starting SpringbootBackendApplication
2023-04-10T15:21:15.787+05:30 INFO 1644 --- [ restartedMain] n.j.s.SpringbootBackendApplication : No active profile set, falling back to
2023-04-10T15:21:15.860+05:30 INFO 1644 --- [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set
2023-04-10T15:21:16.707+05:30 INFO 1644 --- [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging con
2023-04-10T15:21:16.772+05:30 INFO 1644 --- [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring data JPA reposito
2023-04-10T15:21:17.547+05:30 INFO 1644 --- [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanm
2023-04-10T15:21:17.562+05:30 INFO 1644 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 9091
2023-04-10T15:21:17.562+05:30 INFO 1644 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting service [Tomcat]
2023-04-10T15:21:17.562+05:30 INFO 1644 --- [ restartedMain] o.apache.catalina.core.StandardService : Starting Servlet engine: [Apache Tomcat
2023-04-10T15:21:17.660+05:30 INFO 1644 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded Webapplic
2023-04-10T15:21:17.661+05:30 INFO 1644 --- [ restartedMain] o.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initializa
2023-04-10T15:21:17.856+05:30 INFO 1644 --- [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitIn
2023-04-10T15:21:18.026+05:30 INFO 1644 --- [ restartedMain] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.6.15.Final
2023-04-10T15:21:18.441+05:30 INFO 1644 --- [ restartedMain] o.h.t.d.jdbc.spi.JdbcTypeRegistry : addDescriptor(FloatTypeDescriptor) rep
2023-04-10T15:21:18.458+05:30 DEBUG 1644 --- [ restartedMain] org.hibernate.type.BasicTypeRegistry : Adding type registration boolean -> on
2023-04-10T15:21:18.458+05:30 DEBUG 1644 --- [ restartedMain] org.hibernate.type.BasicTypeRegistry : Adding type registration boolean -> on
```

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Search

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MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- enterademo
- custdemo
- disconnect
- embed
- employee
- employeecrud
- employeedemo
- employeedatabase**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- firstapppdatabase
- fixedatabase
- fourthbase
- hdemo
- hiberdemo
- hibernate
- jdbcdemo
- library
- logindemo
- mydatabase
- myfirst
- multiherrate

Administration Schemas

Information

No object selected

SQL File 1*

```
88
89
90 • create database EmployeeManage;
91 • use EmployeeManage;
92 • select * from Employees;
93
94
95
96
97
```

Result Grid

	id	email_id	first_name	last_name	mob_number
▶	2	shamshadolomonsari2@gmail.com	shamshad	Alam	7070357583
	3	manish@123gmail.com	Manish	Gupta	8084964576
	4	Rohan@45@gmail.com	Rohan	kumar	9671853564
■	MAX	MAX	MAX	MAX	MAX

Employees 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:22:16	use EmployeeManage	0 row(s) affected	0.000 sec
2	15:22:21	select * from Employees LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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Search

ENG IN

15:22 10-04-2023

Employee List Add Employee

Angular 10 Spring Boot CRUD Full Stack App

Employee List

First Name	Last Name	Email Id	Actions
santosh	kumar	s7903720@gmail.com	Update Delete View

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MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- employeesdetailsdatabase
- employeemanagement
- firstappdatabase
- firstproject
- logindemo

Administration Schemas

Information

Schema: employeemanagement

SQL File 4* SQL File 4* employees

Limit to 1000 rows

1 * SELECT * FROM employeemanagement.employees;

Result Grid

id	email_id	first_name	last_name
1	s7903720@gmail.com	santosh	kumar

employees 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 18	11:01:00	select * from addbike_model LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 19	11:01:41	select * from book_bike_model LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 20	11:27:51	create database employeemanagement	1 row(s) affected	0.031 sec
✓ 21	11:28:05	use employeemanagement	0 row(s) affected	0.000 sec
✓ 22	12:04:47	SELECT * FROM employeemanagement.employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

34°C Sunny

Search

ENG IN

12:05 11-04-2023



- The scope of this project is as follows:
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.



GitHub Link

<https://github.com/santoshkr353762/Firstproject.git>

