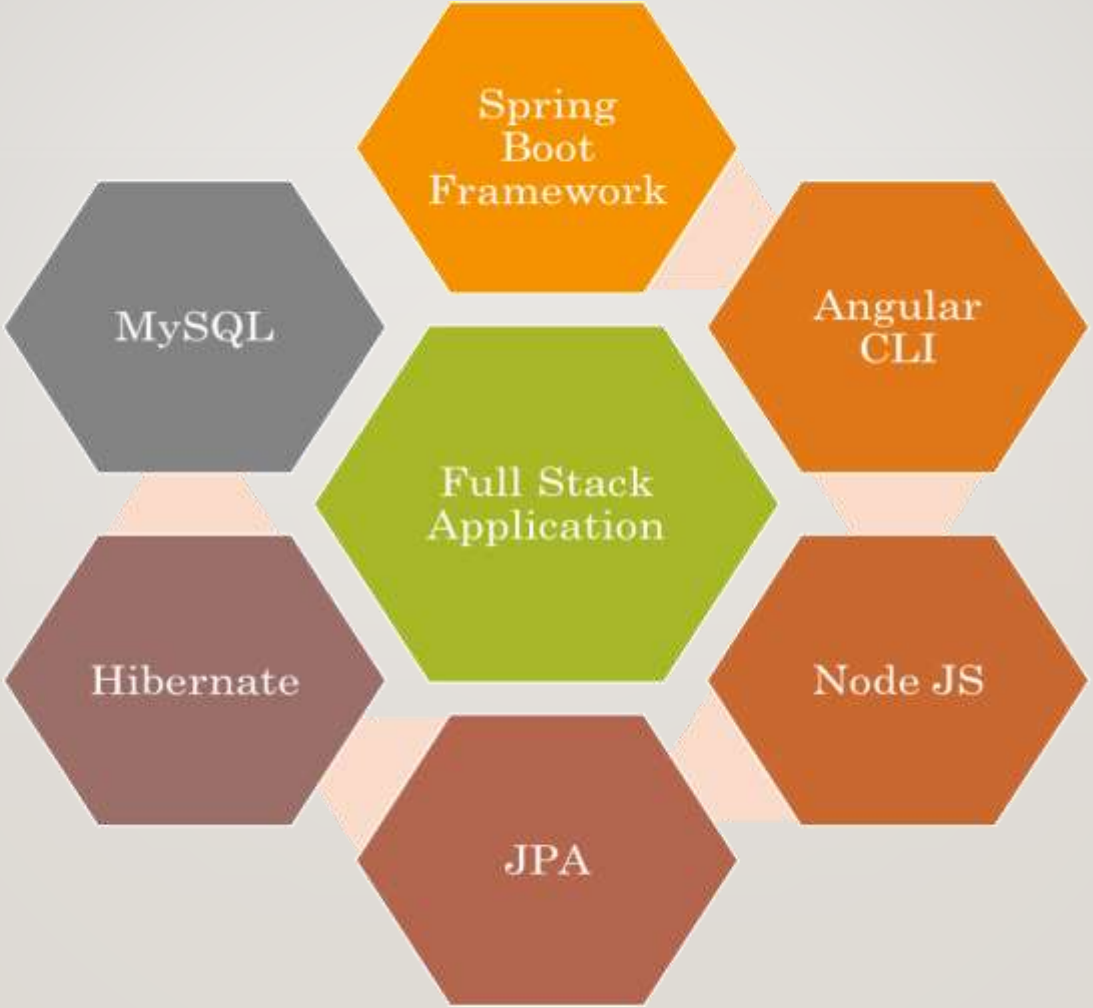
Employee Management System

INTRODUCTION

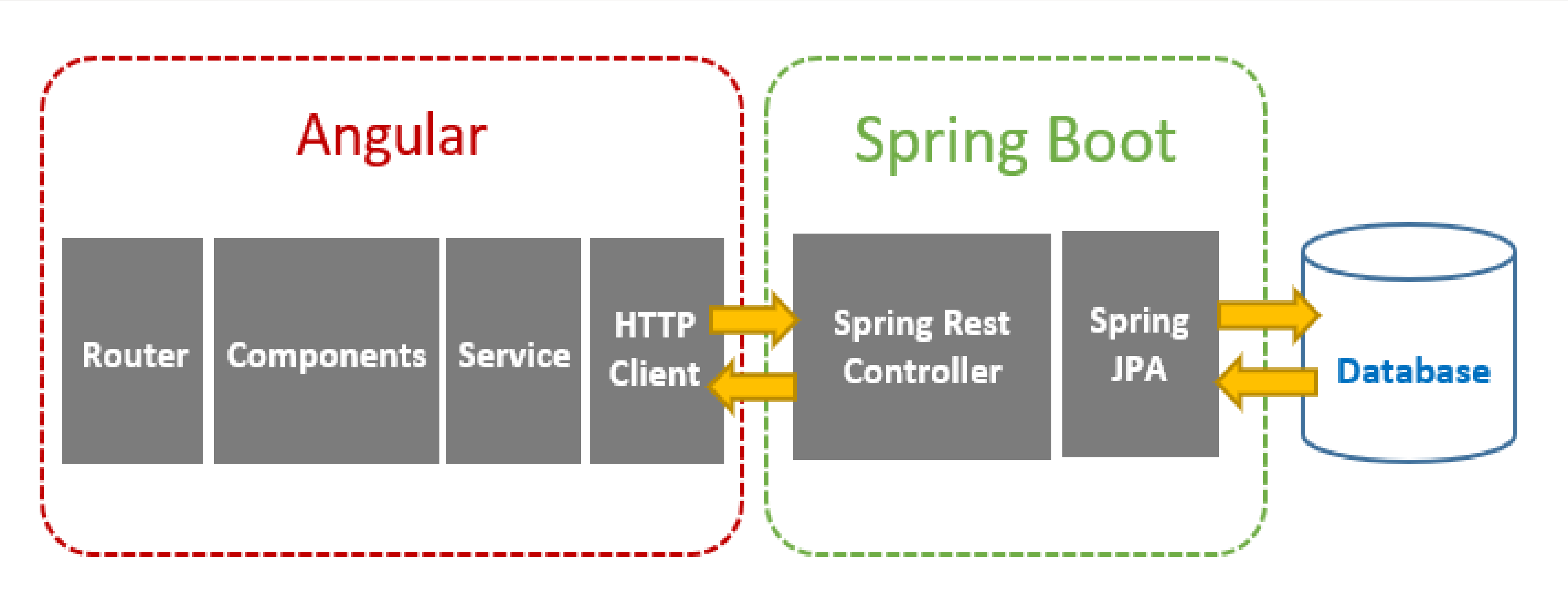
Full Stack Application – **Employee Management System**

- Employee management system is a distributed application develop to maintain the details of employees working in any organization.
- The EMS has been developed to override the problems prevailing in the practicing manual system.
- It maintains the information about the personal and official details of the employees.

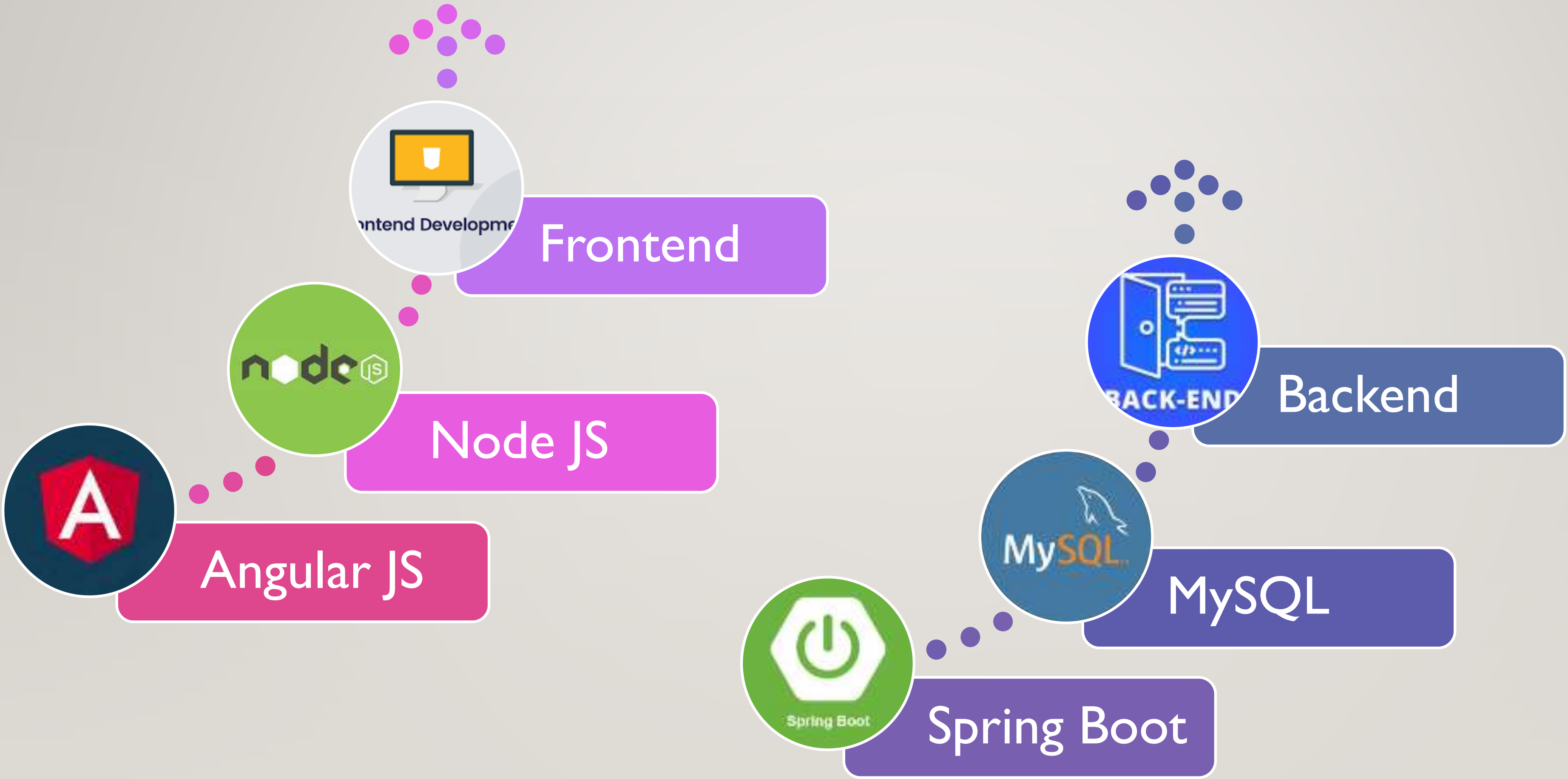
Technologies used



The Architecture of Angular, Spring & database(MySQL)



The Architecture of the Project



Frontend

Node JS

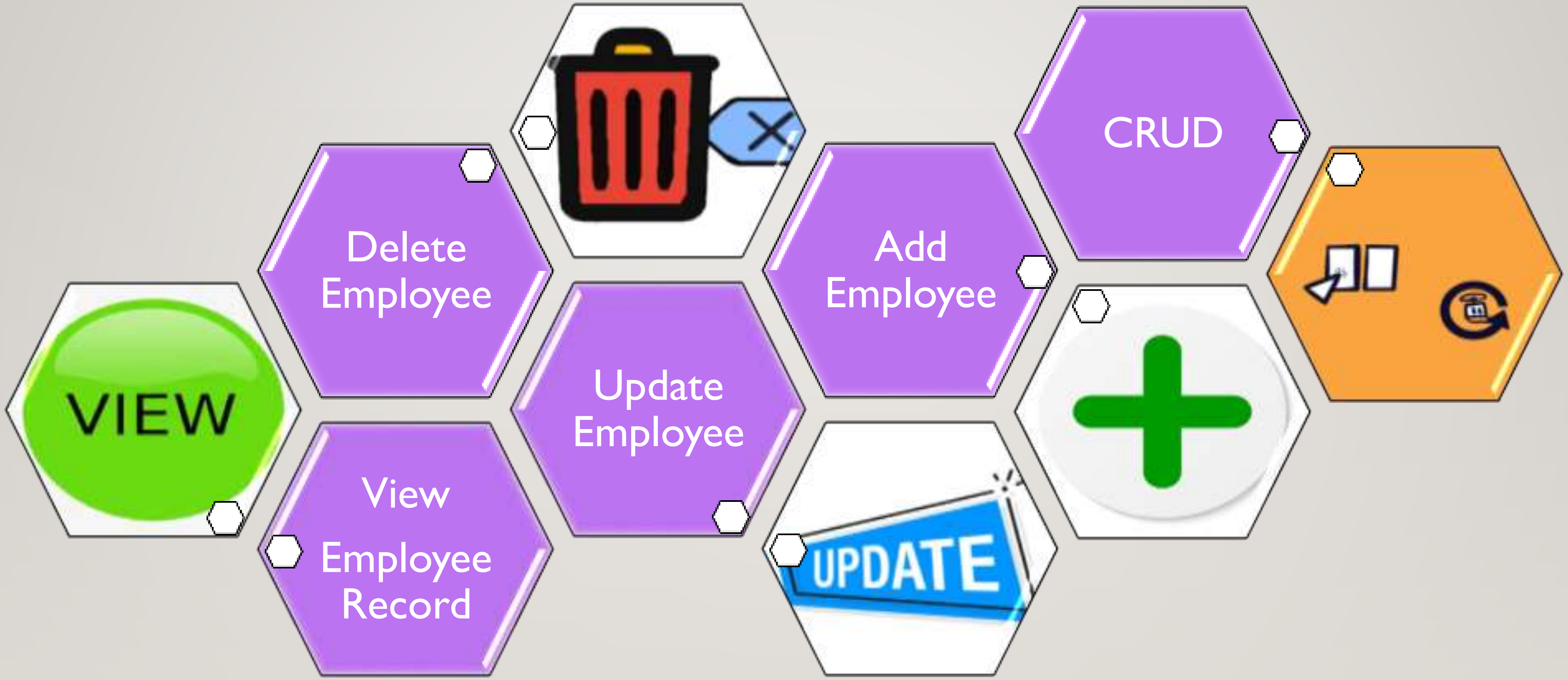
Angular JS

Backend

MySQL

Spring Boot

CRUD Operations



CRUD

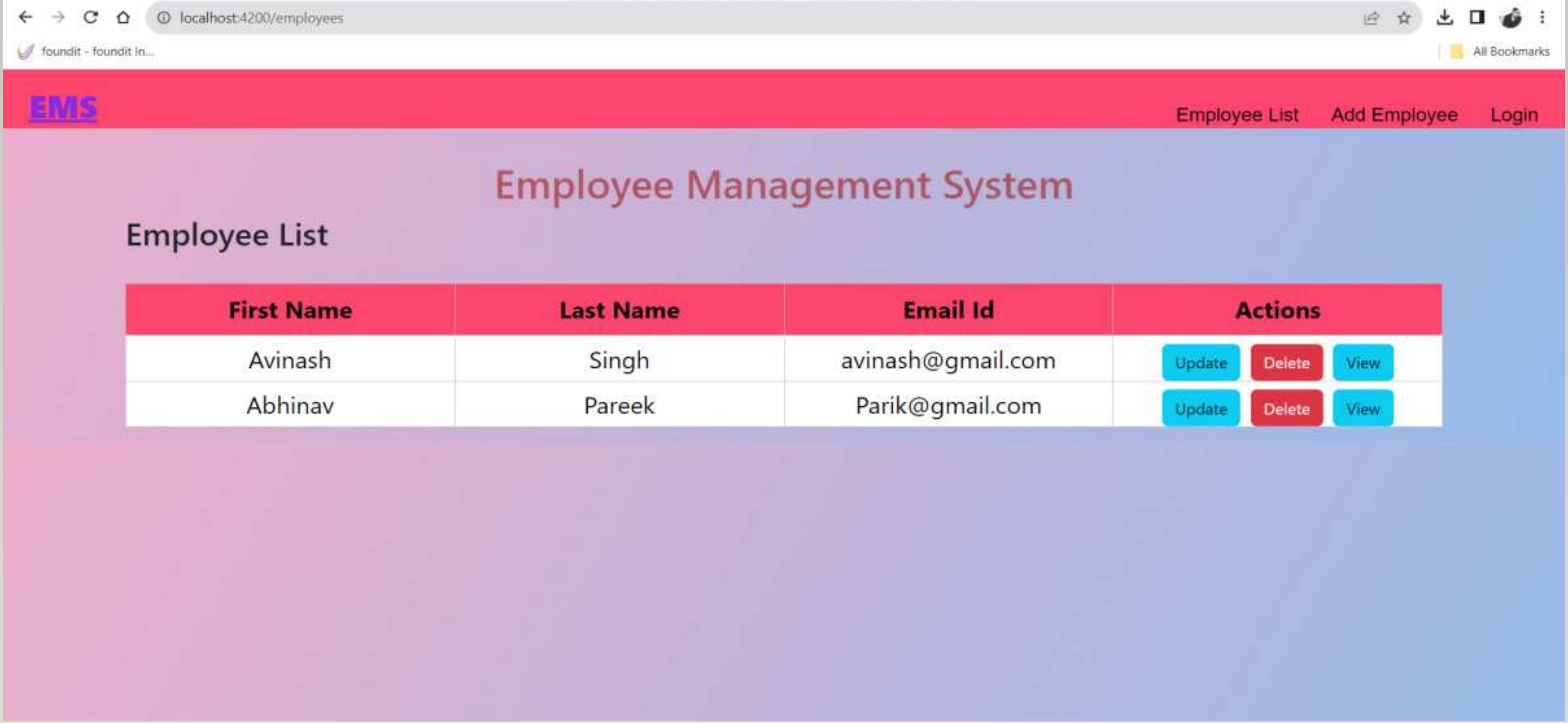
Add Employee

Delete Employee

Update Employee

View Employee Record

Home Page

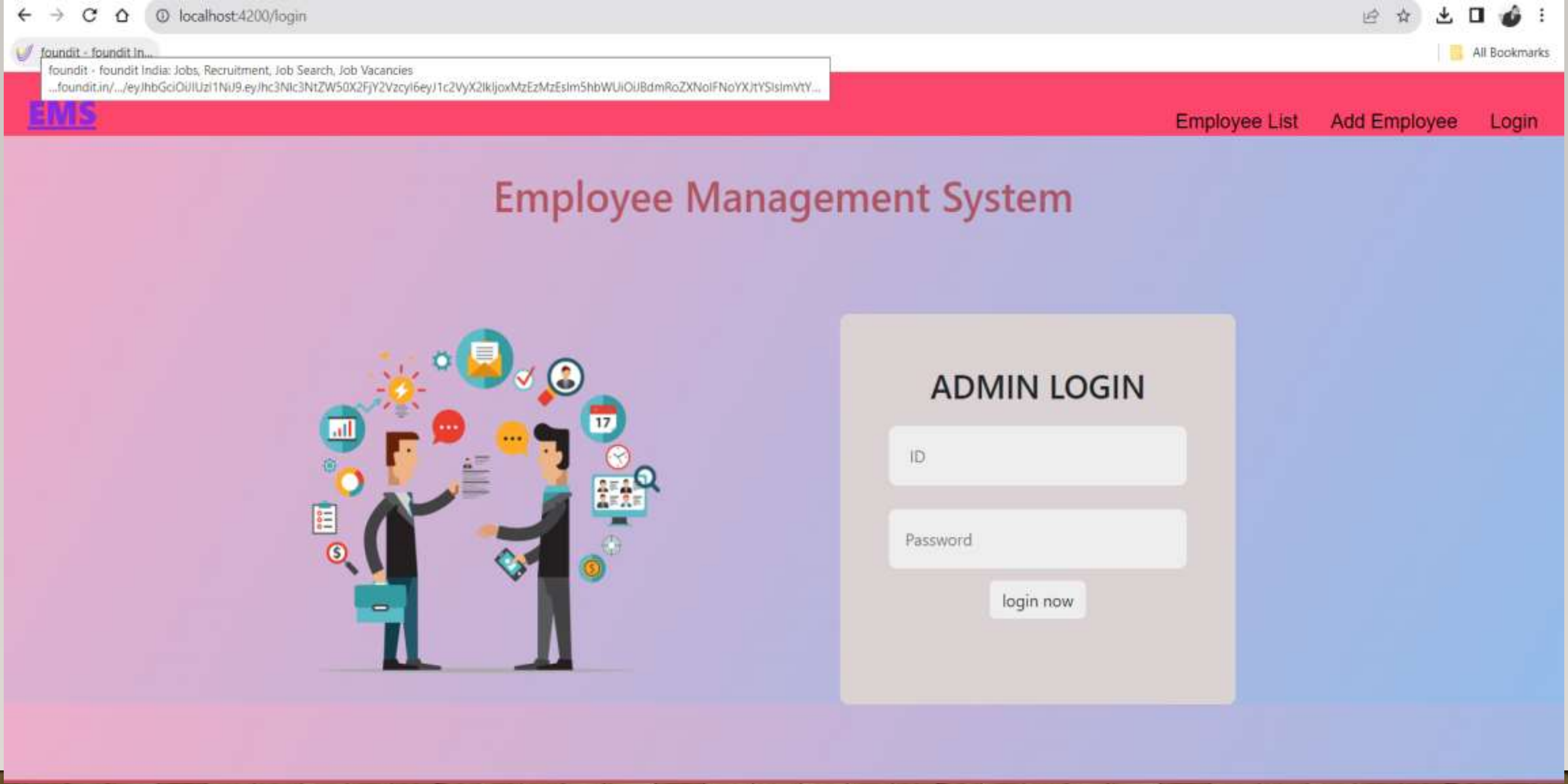


Employee Management System

Employee List

First Name	Last Name	Email Id	Actions
Avinash	Singh	avinash@gmail.com	Update Delete View
Abhinav	Pareek	Parik@gmail.com	Update Delete View

Login Page



localhost:4200/login

foundit - foundit In...

foundit - foundit India: Jobs, Recruitment, Job Search, Job Vacancies
...foundit.in/.../eyJhbGciOiJIUzI1NiJ9.eyJhc3Nlc3NtZW50X2FjY2Vzcyl6eyJ1c2VyX2lkIjoxMzEzMzEslm5hbWUiOiJBdmRoZXNoIFNoYXJtYSIslmVtY...

All Bookmarks

EMS

Employee List Add Employee Login

Employee Management System

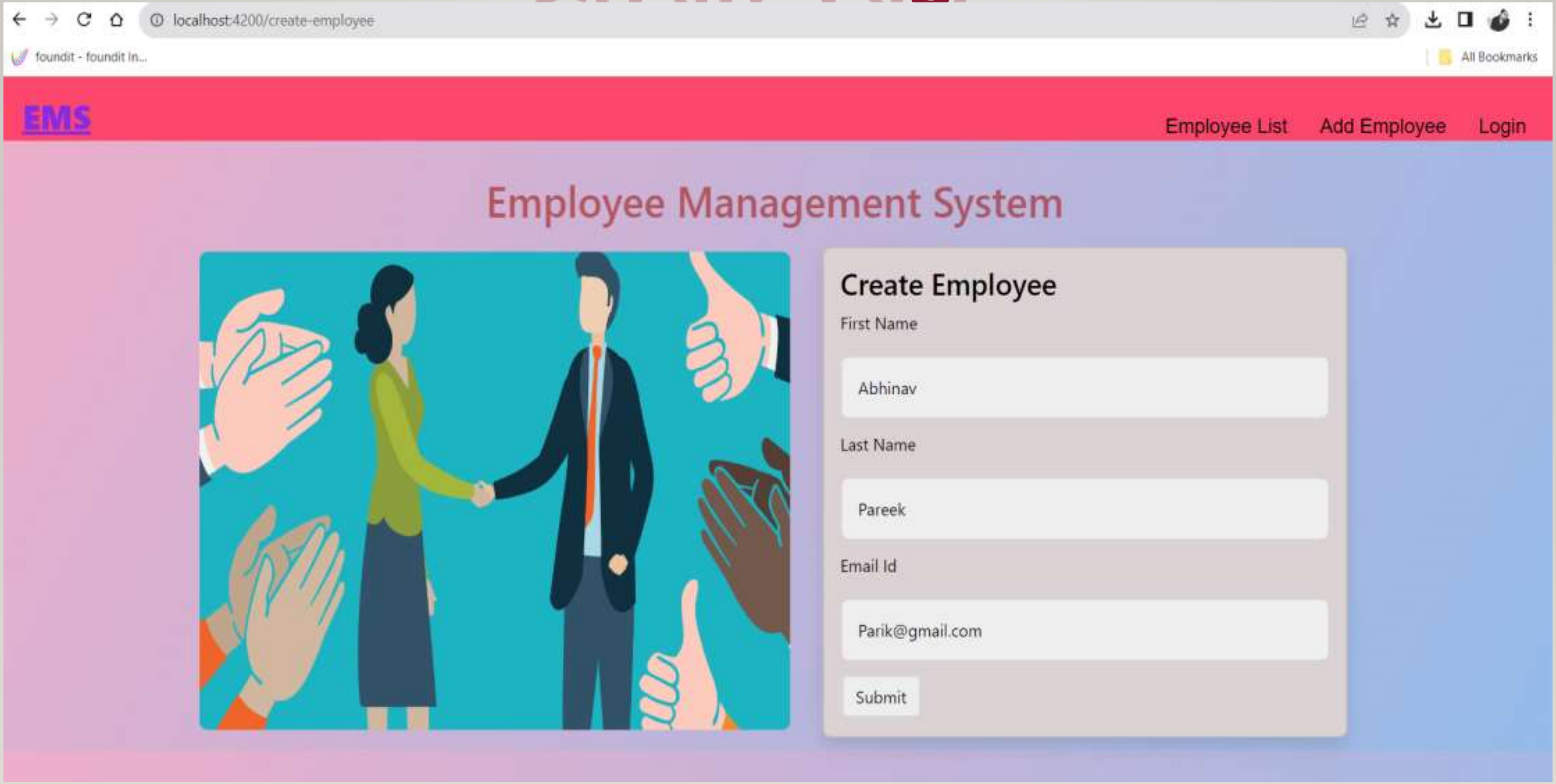
ADMIN LOGIN

ID

Password

login now

Create Page



localhost:4200/create-employee

Employee Management System

Create Employee

First Name

Abhinav

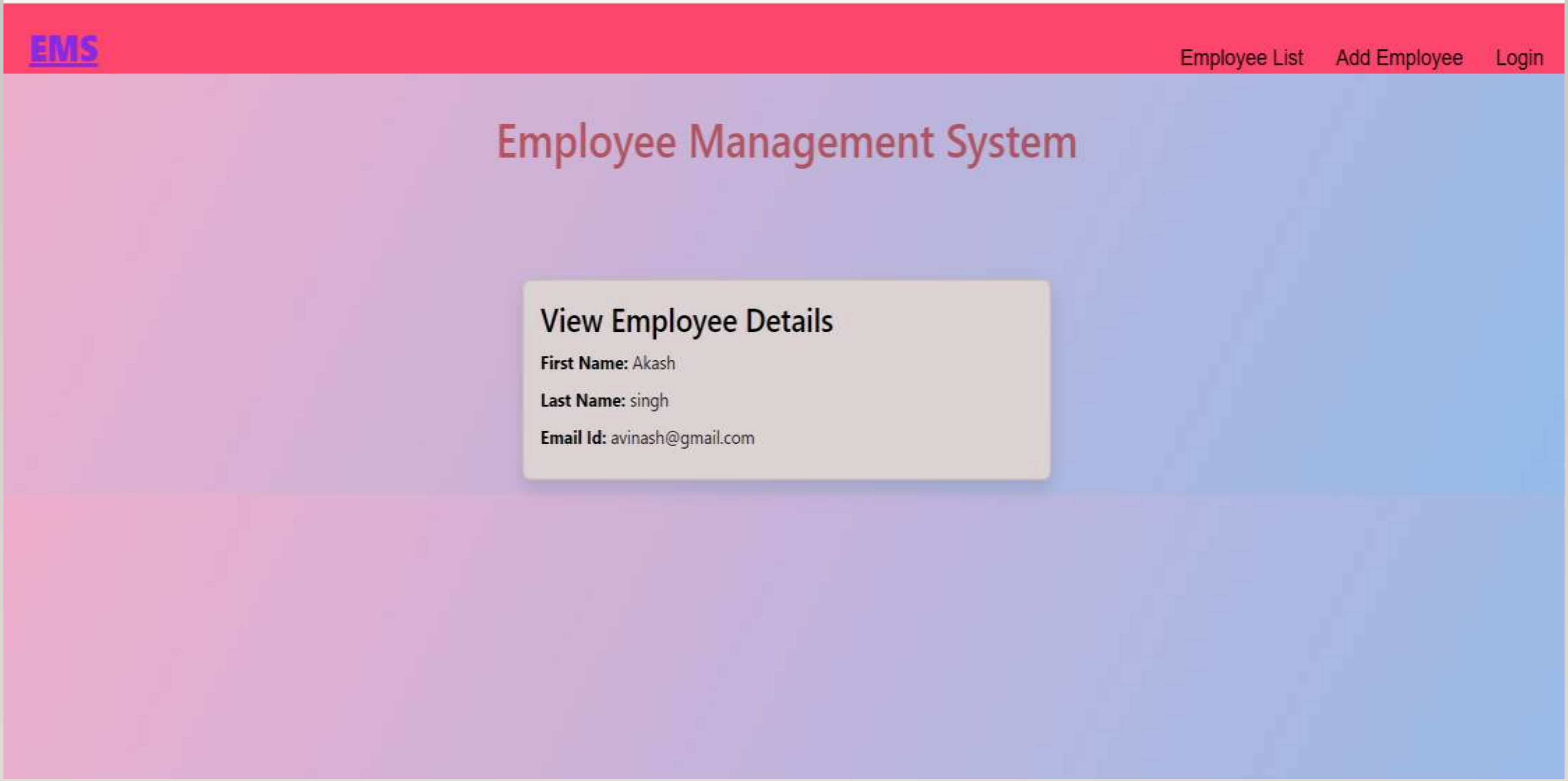
Last Name

Pareek

Email Id

Parik@gmail.com

View Page



Employee Management System

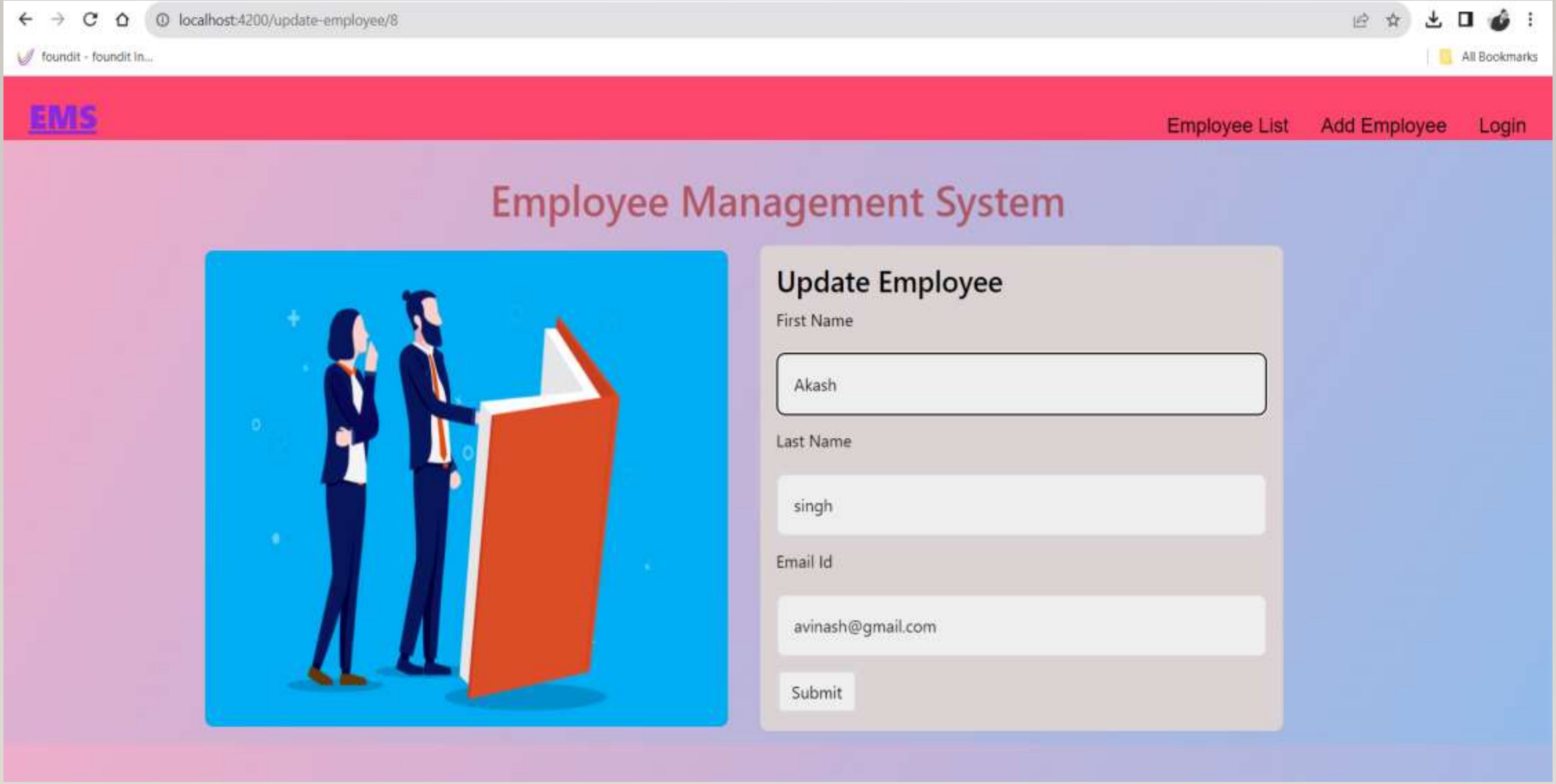
View Employee Details

First Name: Akash

Last Name: singh

Email Id: avinash@gmail.com

Update Page



Employee Management System

Update Employee

First Name

Akash

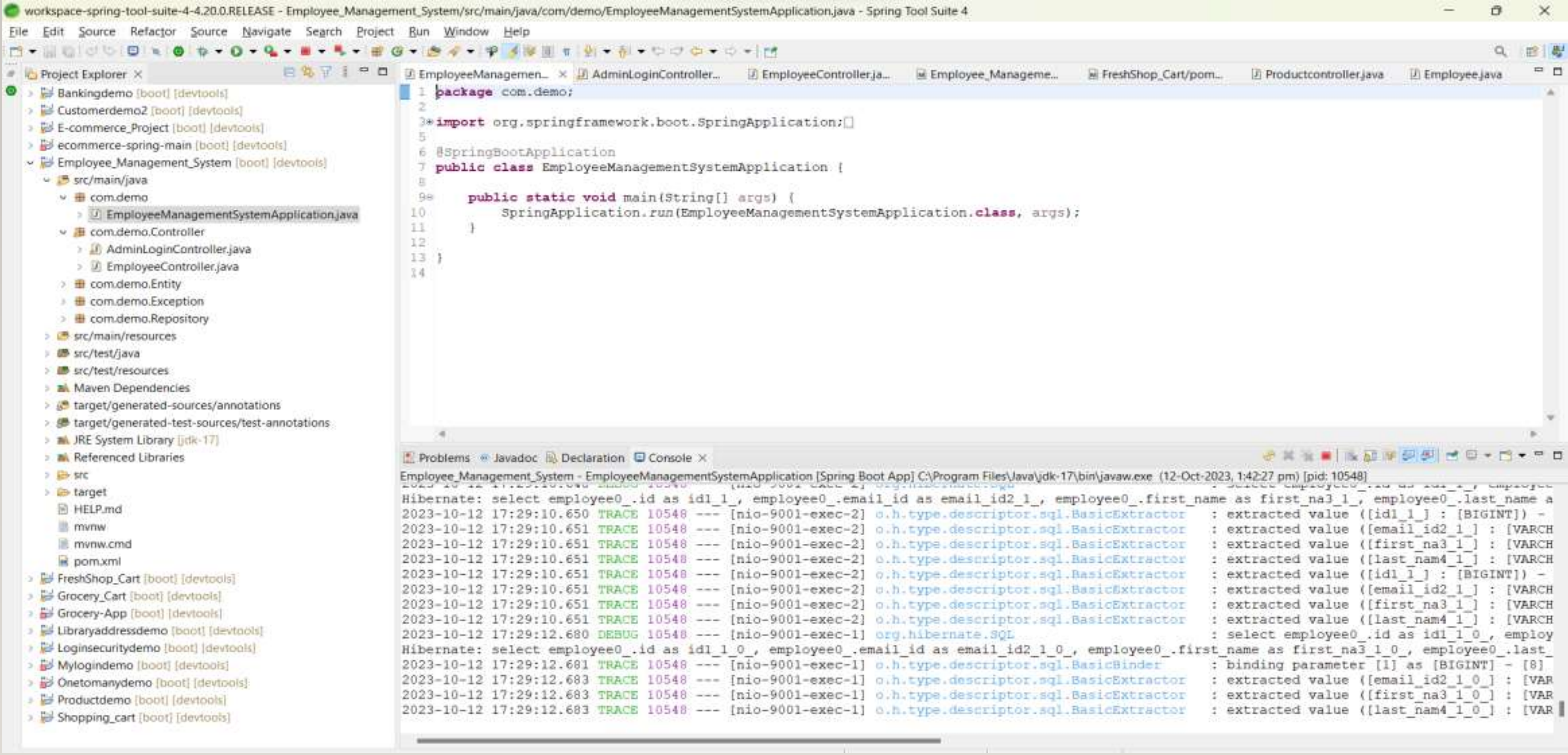
Last Name

singh

Email Id

avinash@gmail.com

Spring Boot Application



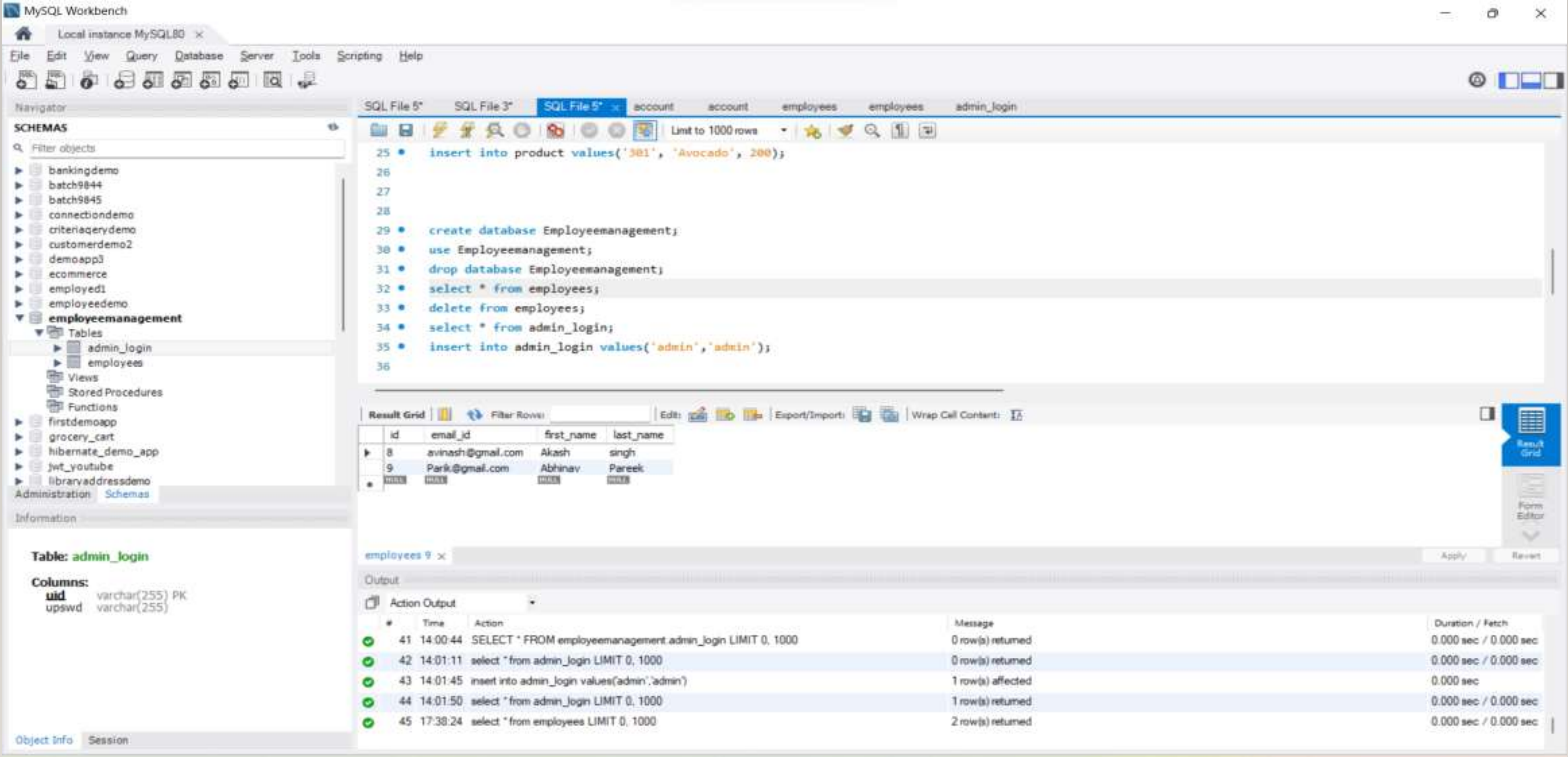
workspace-spring-tool-suite-4-4.20.0.RELEASE - Employee_Management_System/src/main/java/com/demo/EmployeeManagementSystemApplication.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Project Explorer
Bankingdemo [boot] [devtools]
Customerdemo2 [boot] [devtools]
E-commerce_Project [boot] [devtools]
ecommerce-spring-main [boot] [devtools]
Employee_Management_System [boot] [devtools]
src/main/java
com.demo
EmployeeManagementSystemApplication.java
com.demo.Controller
AdminLoginController.java
EmployeeController.java
com.demo.Entity
com.demo.Exception
com.demo.Repository
src/main/resources
src/test/java
src/test/resources
Maven Dependencies
target/generated-sources/annotations
target/generated-test-sources/test-annotations
JRE System Library [jdk-17]
Referenced Libraries
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
FreshShop_Cart [boot] [devtools]
Grocery_Cart [boot] [devtools]
Grocery-App [boot] [devtools]
Libraryaddressdemo [boot] [devtools]
Loginsecuritydemo [boot] [devtools]
Mylogindemo [boot] [devtools]
Onetomanydemo [boot] [devtools]
Productdemo [boot] [devtools]
Shopping_cart [boot] [devtools]
EmployeeManagemen...
AdminLoginController...
EmployeeController.ja...
Employee_Manageme...
FreshShop_Cart/pom...
Productcontroller.java
Employee.java
Problems
Javadoc
Declaration
Console

```java
package com.demo;

import org.springframework.boot.SpringApplication;

@SpringBootApplication
public class EmployeeManagementSystemApplication {

    public static void main(String[] args) {
        SpringApplication.run(EmployeeManagementSystemApplication.class, args);
    }

}
```

Employee_Management_System - EmployeeManagementSystemApplication [Spring Boot App] C:\Program Files\Java\jdk-17\bin\javaw.exe (12-Oct-2023, 1:42:27 pm) [pid: 10548]

```
Hibernate: select employee0_.id as id1_1_, employee0_.email_id as email_id2_1_, employee0_.first_name as first_na3_1_, employee0_.last_name a
2023-10-12 17:29:10.650 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([id1_1_] : [BIGINT]) -
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([email_id2_1_] : [VARCH
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([first_na3_1_] : [VARCH
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([last_nam4_1_] : [VARCH
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([id1_1_] : [BIGINT]) -
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([email_id2_1_] : [VARCH
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([first_na3_1_] : [VARCH
2023-10-12 17:29:10.651 TRACE 10548 --- [nio-9001-exec-2] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([last_nam4_1_] : [VARCH
2023-10-12 17:29:12.680 DEBUG 10548 --- [nio-9001-exec-1] org.hibernate.SQL                        : select employee0_.id as id1_1_0_, employ
Hibernate: select employee0_.id as id1_1_0_, employee0_.email_id as email_id2_1_0_, employee0_.first_name as first_na3_1_0_, employee0_.last_
2023-10-12 17:29:12.681 TRACE 10548 --- [nio-9001-exec-1] o.h.type.descriptor.sql.BasicBinder      : binding parameter [1] as [BIGINT] - [8]
2023-10-12 17:29:12.683 TRACE 10548 --- [nio-9001-exec-1] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([email_id2_1_0_] : [VAR
2023-10-12 17:29:12.683 TRACE 10548 --- [nio-9001-exec-1] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([first_na3_1_0_] : [VAR
2023-10-12 17:29:12.683 TRACE 10548 --- [nio-9001-exec-1] o.h.type.descriptor.sql.BasicExtractor   : extracted value ([last_nam4_1_0_] : [VAR
```

My SQL Code



```sql
insert into product values('301', 'Avocado', 200);



create database Employeemanagement;
use Employeemanagement;
drop database Employeemanagement;
select * from employees;
delete from employees;
select * from admin_login;
insert into admin_login values('admin','admin');

```

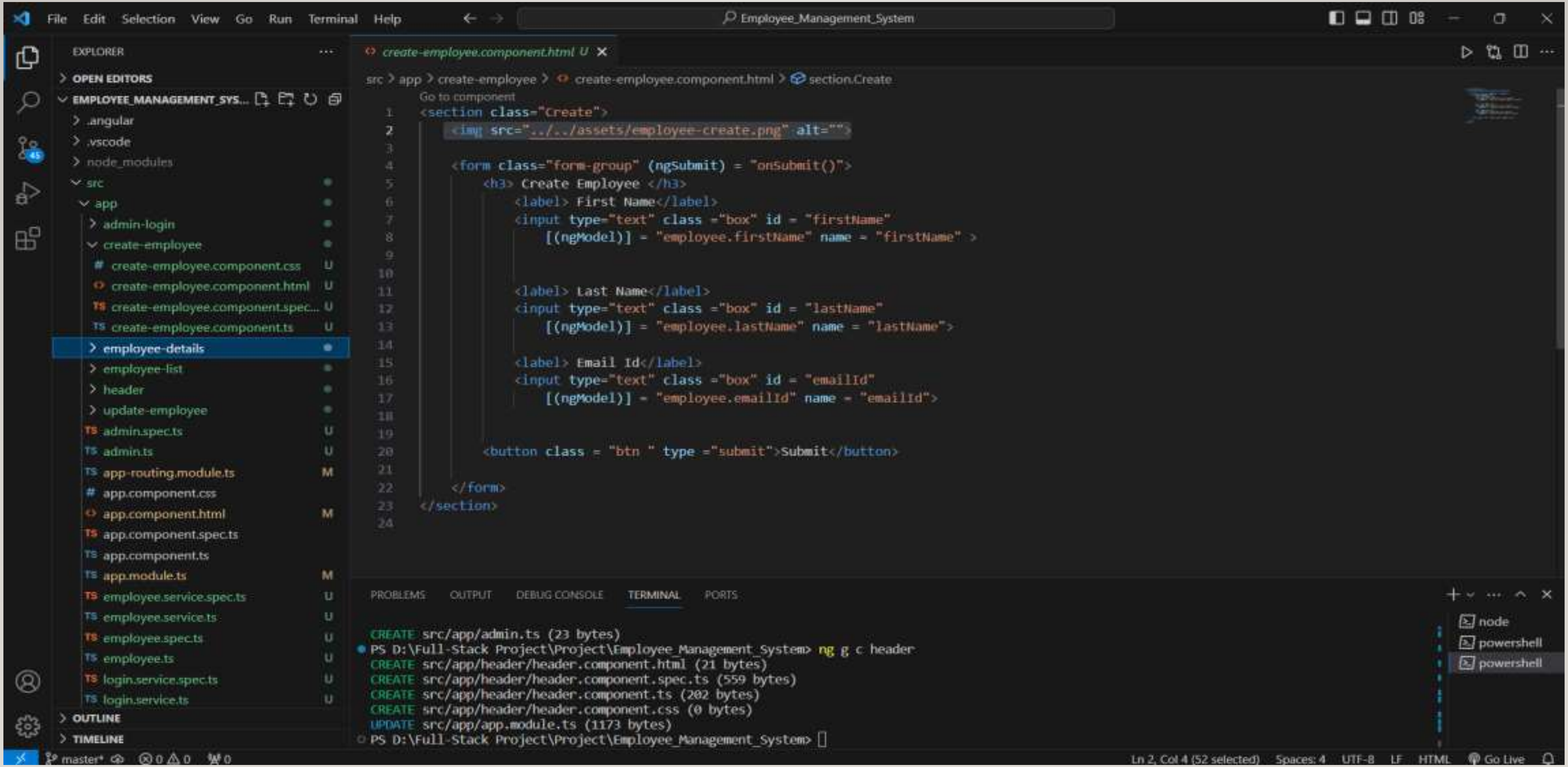
id	email_id	first_name	last_name
8	avinash@gmail.com	Akash	singh
9	Parik@gmail.com	Abhinav	Pareek
NULL	NULL	NULL	NULL

Table: admin_login

Columns:
uid varchar(255) PK
upswd varchar(255)

#	Time	Action	Message	Duration / Fetch
41	14:00:44	SELECT * FROM employeemanagement.admin_login LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
42	14:01:11	select * from admin_login LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
43	14:01:45	insert into admin_login values('admin','admin')	1 row(s) affected	0.000 sec
44	14:01:50	select * from admin_login LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
45	17:38:24	select * from employees LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Angular Js Code


File Edit Selection View Go Run Terminal Help
Employee_Management_System
EXPLORER
OPEN EDITORS
EMPLOYEE_MANAGEMENT_SYS...
.angular
.vscode
node_modules
src
app
admin-login
create-employee
create-employee.component.css U
create-employee.component.html U
create-employee.component.spec... U
create-employee.component.ts U
employee-details
employee-list
header
update-employee
admin.spec.ts U
admin.ts U
app-routing.module.ts M
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
employee.service.spec.ts U
employee.service.ts U
employee.spec.ts U
employee.ts U
login.service.spec.ts U
login.service.ts U
OUTLINE
TIMELINE
create-employee.component.html U
src > app > create-employee > create-employee.component.html > section.Create
Go to component
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
powershell
powershell
master* ⊗ 0 ⚠ 0 0
Ln 2, Col 4 (52 selected) Spaces: 4 UTF-8 LF HTML Go Live

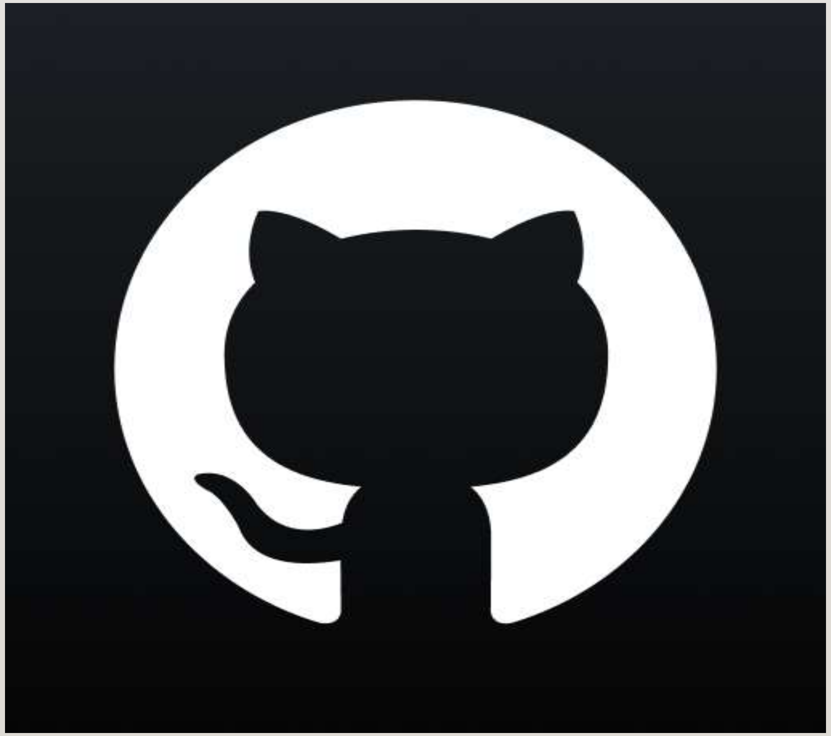
```html
<section class="Create">
    <img src="../../assets/employee-create.png" alt="">

    <form class="form-group" (ngSubmit) = "onSubmit()">
        <h3> Create Employee </h3>
            <label> First Name</label>
            <input type="text" class ="box" id = "firstName"
                [(ngModel)] = "employee.firstName" name = "firstName" >


            <label> Last Name</label>
            <input type="text" class ="box" id = "lastName"
                [(ngModel)] = "employee.lastName" name = "lastName">

            <label> Email Id</label>
            <input type="text" class ="box" id = "emailId"
                [(ngModel)] = "employee.emailId" name = "emailId">


        <button class = "btn " type ="submit">Submit</button>

    </form>
</section>
```

```
CREATE src/app/admin.ts (23 bytes)
PS D:\Full-Stack Project\Project\Employee_Management_System> ng g c header
CREATE src/app/header/header.component.html (21 bytes)
CREATE src/app/header/header.component.spec.ts (559 bytes)
CREATE src/app/header/header.component.ts (202 bytes)
CREATE src/app/header/header.component.css (0 bytes)
UPDATE src/app/app.module.ts (1173 bytes)
PS D:\Full-Stack Project\Project\Employee_Management_System> 
```

FUTURE SCOPE

Since employee management utilizes massive data sets, AI for employee management can assess and predict one's behavior and prevent unwanted situations, like an employee's leave. This, in turn, will assist in increasing the company's profitability and performance

GitHub Link



Thank you.