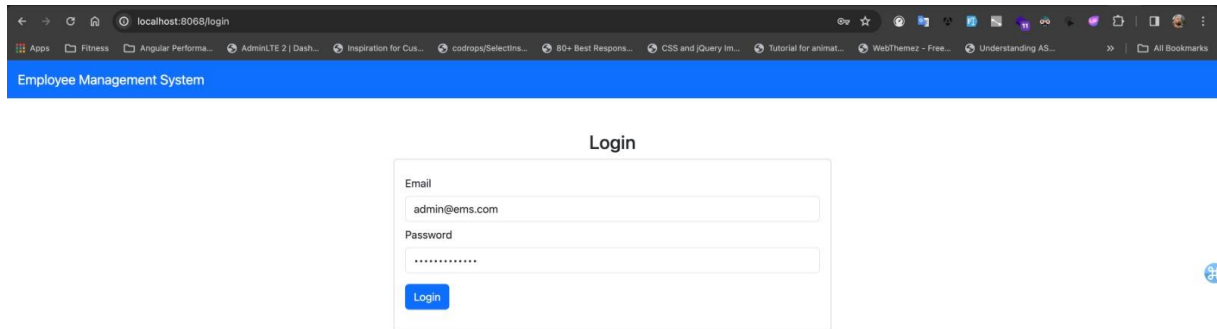


# Screenshots of G1B3\_BED\_GradedProject4

## 1) Login Page



localhost:8068/login

Employee Management System

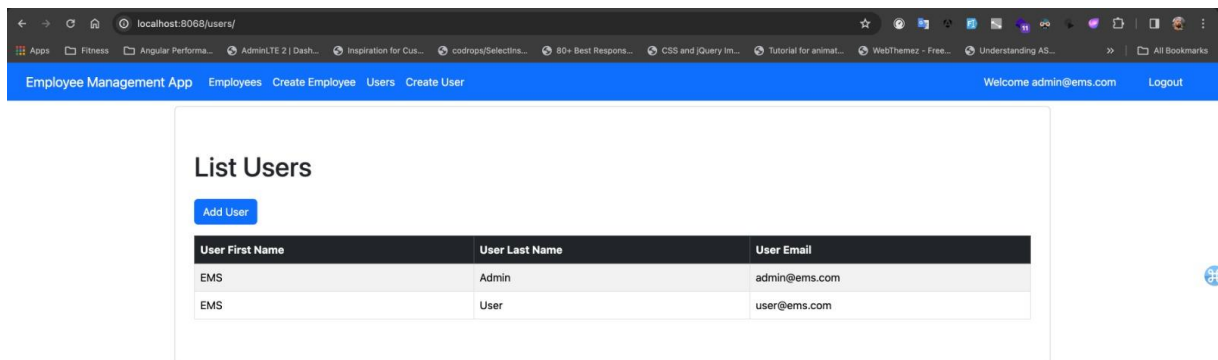
### Login

Email  
admin@ems.com

Password  
.....

Login

## 2) List of Initial Users

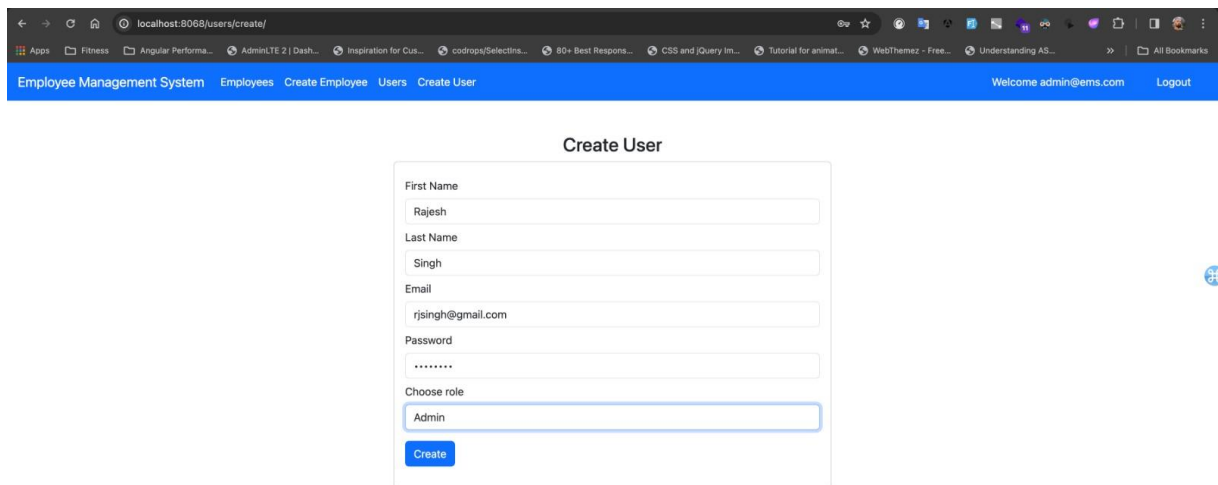


The screenshot shows a web browser at the URL `localhost:8068/users/`. The application header is blue and contains the following navigation links: `Employee Management App`, `Employees`, `Create Employee`, `Users`, and `Create User`. On the right side of the header, it says `Welcome admin@ems.com` and has a `Logout` link.

The main content area is titled `List Users` and includes an `Add User` button. Below the button is a table with the following data:

User First Name	User Last Name	User Email
EMS	Admin	admin@ems.com
EMS	User	user@ems.com

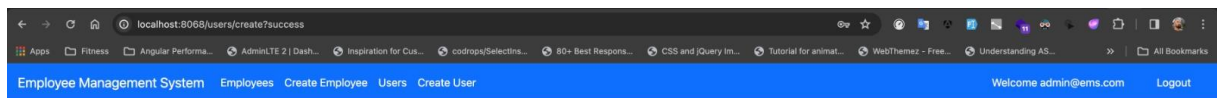
### 3) Creating Admin User



The screenshot shows a web browser window with the URL `localhost:8068/users/create/`. The browser's address bar and tabs are visible at the top. Below the browser window, the 'Create User' form is displayed. The form contains the following fields and elements:

- First Name:** A text input field containing the value 'Rajesh'.
- Last Name:** A text input field containing the value 'Singh'.
- Email:** A text input field containing the value 'rjsingh@gmail.com'.
- Password:** A text input field with masked characters (dots).
- Choose role:** A dropdown menu with 'Admin' selected.
- Create:** A blue button to submit the form.

## 4) Creating Normal User by Admin User



**Create User**

User created successfully

First Name  
Akthar

Last Name  
Hussain

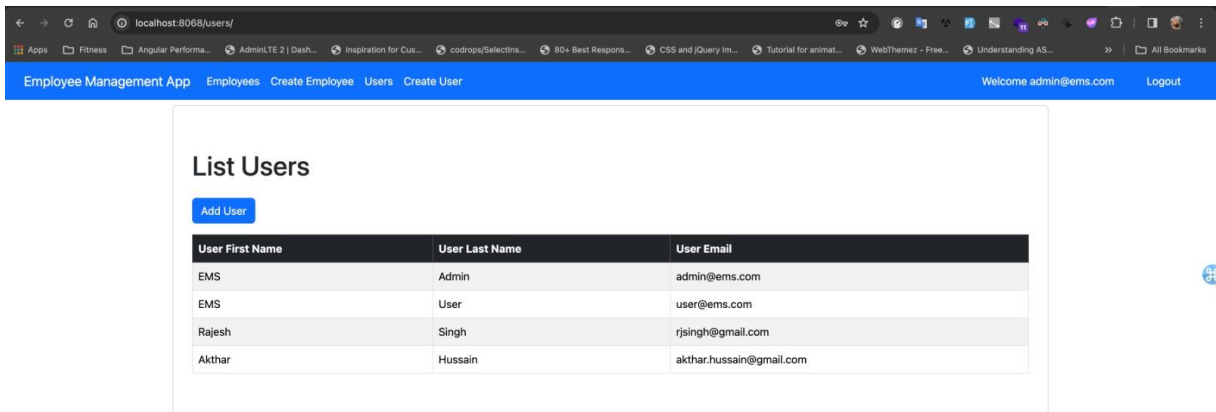
Email  
akthar.hussain@gmail.com

Password  
.....

Choose role  
User

Create

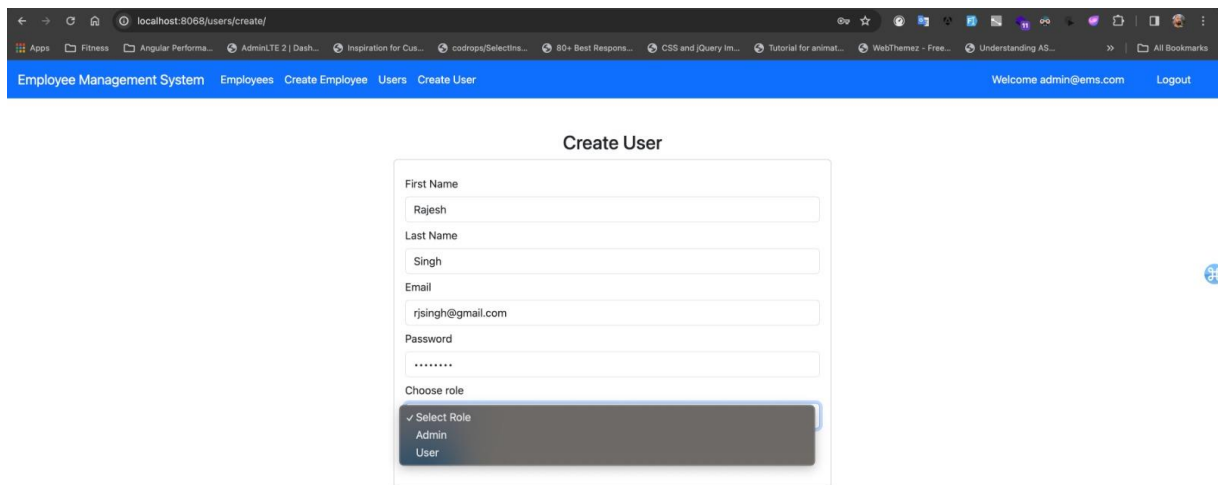
## 5) List of Users - 2 by default, 2 added by Admin



The screenshot shows a web browser at localhost:8068/users/. The application header is blue and contains the following navigation links: Employee Management App, Employees, Create Employee, Users, and Create User. On the right of the header, it says 'Welcome admin@ems.com' and has a 'Logout' link. The main content area is titled 'List Users' and includes an 'Add User' button. Below the button is a table with the following data:

User First Name	User Last Name	User Email
EMS	Admin	admin@ems.com
EMS	User	user@ems.com
Rajesh	Singh	rjsingh@gmail.com
Akthar	Hussain	akthar.hussain@gmail.com

## 6) Displaying Predefined Roles

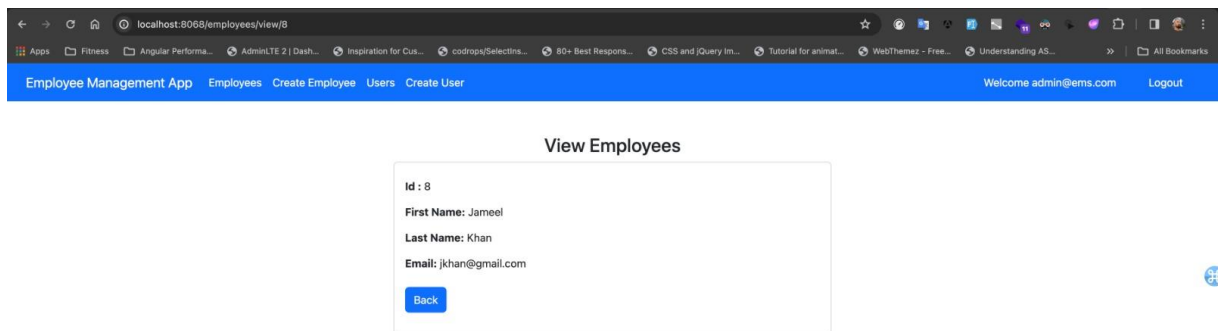


The screenshot displays a web browser window with the URL `localhost:8068/users/create/`. The browser's address bar and tabs are visible at the top. Below the browser window, a blue navigation bar contains the text "Employee Management System" and a series of links: "Employees", "Create Employee", "Users", and "Create User". On the right side of the navigation bar, it says "Welcome admin@ems.com" and "Logout".

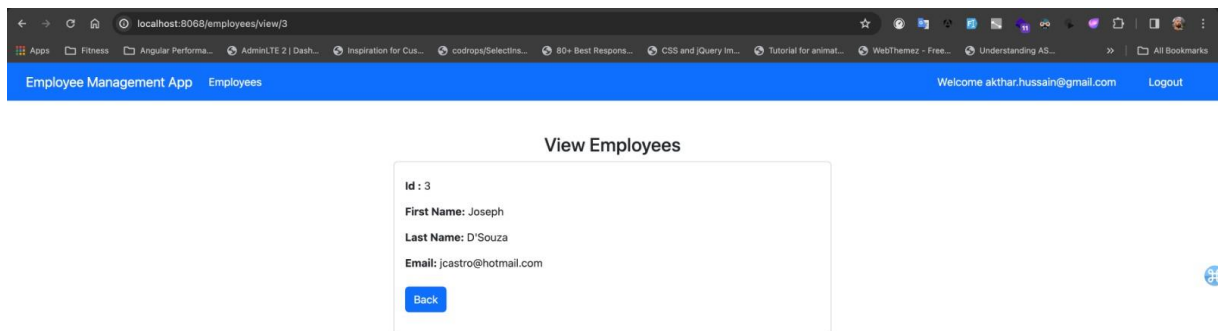
The main content area features a "Create User" form. The form has the following fields and options:

- First Name:** A text input field containing the value "Rajesh".
- Last Name:** A text input field containing the value "Singh".
- Email:** A text input field containing the value "rjsingh@gmail.com".
- Password:** A text input field with masked characters ".....".
- Choose role:** A dropdown menu with the following options:
  - ✓ Select Role
  - Admin
  - User

## 7) View Employee - Admin User View



## 8) View Employee - Normal User View





## 9) List of Employees - Admin View

localhost:8068/employees/sort?order=asc

AppsFitnessAngular Performa...AdminLTE 2 | Dash...Inspiration for Cus...codrops/Selectins...80+ Best Respons...CSS and jQuery Im...Tutorial for animat...WebThemez - Free...Understanding AS...All Bookmarks

Employee Management AppEmployeesCreate EmployeeUsersCreate User

Welcome admin@ems.comLogout

### List Employees

Employee First Name	Employee Last Name	Employee Email	Actions
Aditya	Chopra	achopra@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Crystal	Fernandes	cferna@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jameel	Khan	jkhan@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jaspreet	Kaur	jkaur@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Joseph	D'Souza	jcastro@hotmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Ketan	Sharma	ksharma@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Manish	Dubey	mdubey@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Micheal	Jordan	mjordan@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Rahul	Naik	rnaik@yahoo.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>

## 10) List of Employees – Normal User View

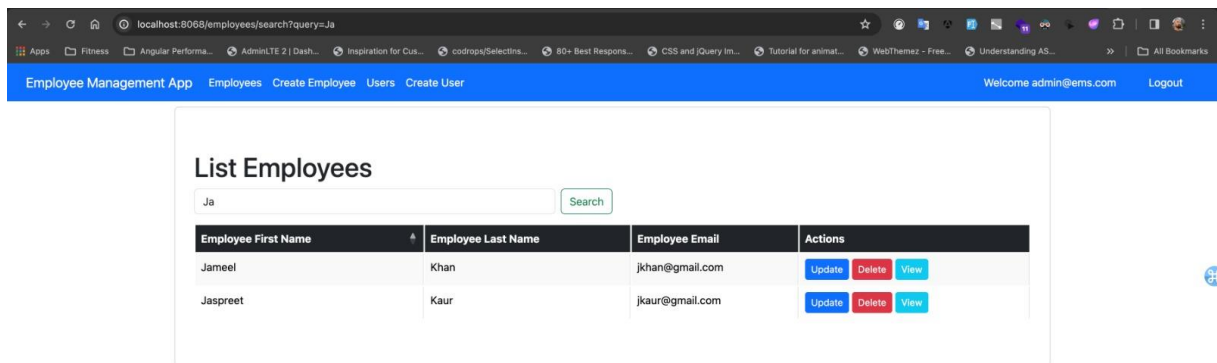
localhost:8068/employees/

Employee Management App EmployeesWelcome akthar.hussain@gmail.comLogout

### List Employees

Employee First Name	Employee Last Name	Employee Email	Actions
Aditya	Chopra	achopra@gmail.com	<a href="#">View</a>
Crystal	Fernandes	cfern@gmail.com	<a href="#">View</a>
Jameel	Khan	jkhan@gmail.com	<a href="#">View</a>
Jaspreet	Kaur	jkaur@gmail.com	<a href="#">View</a>
Joseph	D'Souza	jcastro@hotmail.com	<a href="#">View</a>
Ketan	Sharma	ksharma@gmail.com	<a href="#">View</a>
Manish	Dubey	mdubey@gmail.com	<a href="#">View</a>
Micheal	Jordan	mjordan@yahoo.com	<a href="#">View</a>
Rahul	Naik	rnaik@gmail.com	<a href="#">View</a>

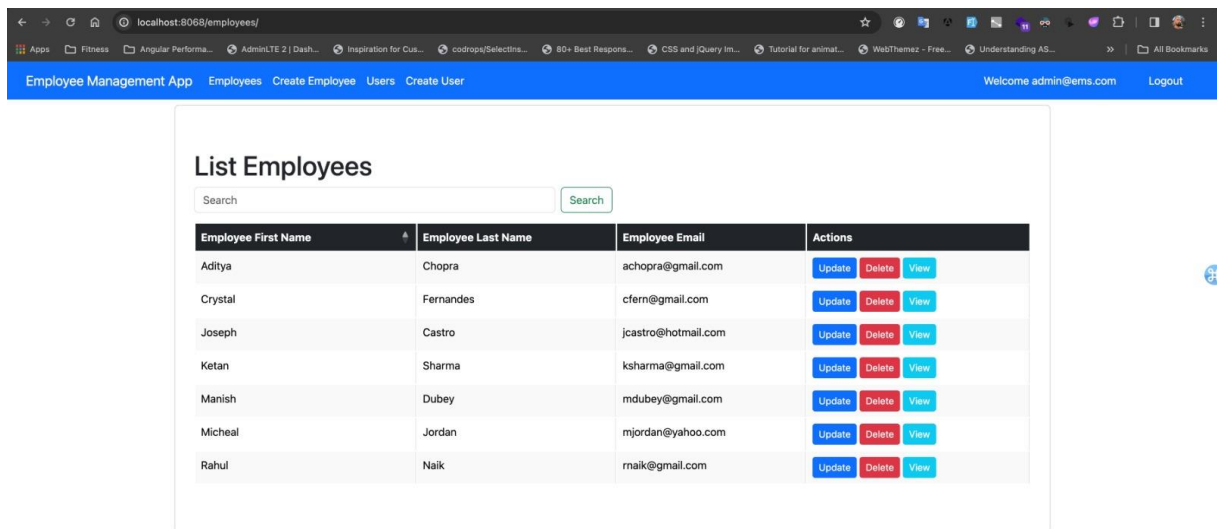
## 11) Search Page with First Name search



The screenshot shows a web application interface for an Employee Management App. The browser address bar indicates the URL is localhost:8068/employees/search?query=Ja. The page features a blue header with navigation links: Employee Management App, Employees, Create Employee, Users, and Create User. A welcome message 'Welcome admin@ems.com' and a 'Logout' link are also present. The main content area is titled 'List Employees' and includes a search bar with the text 'Ja' and a 'Search' button. Below the search bar is a table listing employees.

Employee First Name	Employee Last Name	Employee Email	Actions
Jameel	Khan	jkhan@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Jaspreet	Kaur	jkaur@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>

## 12) View before Editing Employee - Joseph Castro



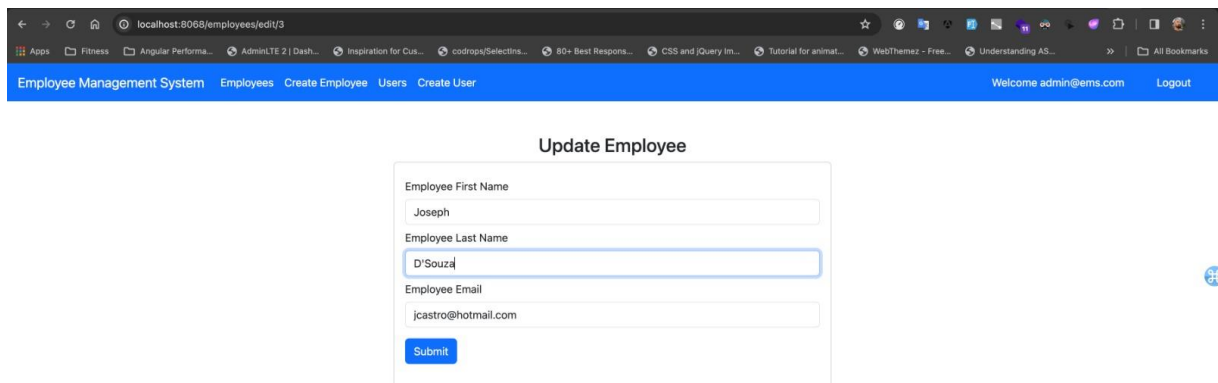
Employee Management App Employees Create Employee Users Create User Welcome admin@ems.com Logout

### List Employees

Search

Employee First Name	Employee Last Name	Employee Email	Actions
Aditya	Chopra	achopra@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Crystal	Fernandes	cfern@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Joseph	Castro	jcastro@hotmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Ketan	Sharma	ksharma@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Manish	Dubey	mdubey@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Micheal	Jordan	mjordan@yahoo.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Rahul	Naik	maik@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>

## 13) Updating Employee - Joseph Castro



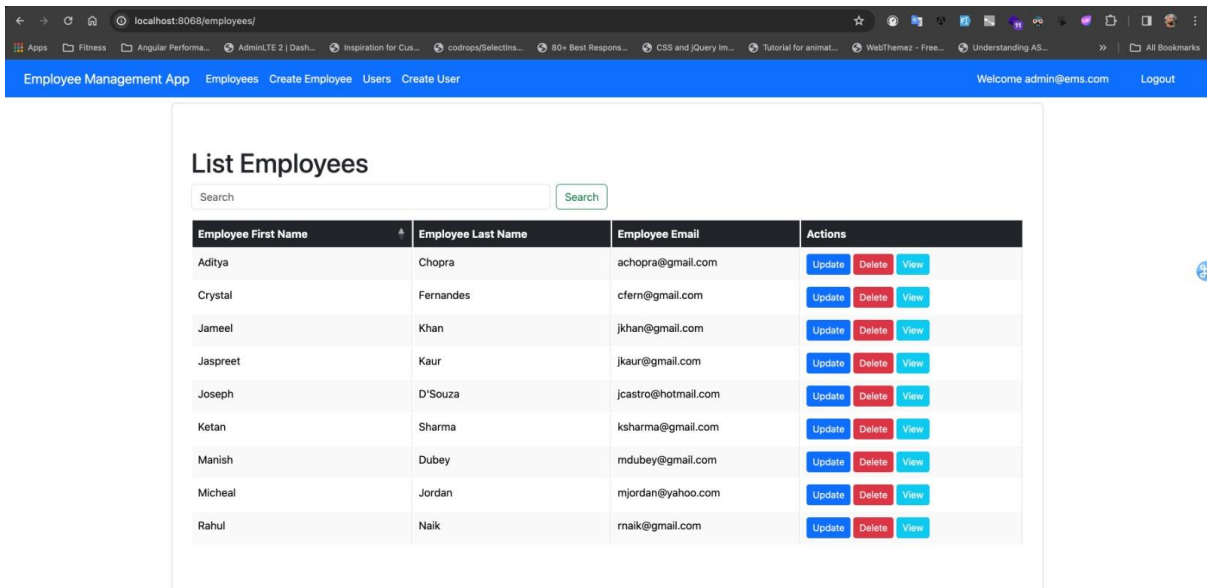
The screenshot shows a web browser window with the URL `localhost:8068/employees/edit/3`. The browser's address bar and tabs are visible at the top. Below the browser window, a blue navigation bar contains the text "Employee Management System" and links for "Employees", "Create Employee", "Users", and "Create User". On the right side of the navigation bar, it says "Welcome admin@ems.com" and has a "Logout" link.

Below the navigation bar, the page title is "Update Employee". The form contains the following fields:

- Employee First Name: Joseph
- Employee Last Name: D'Souza
- Employee Email: jcastro@hotmail.com

A blue "Submit" button is located at the bottom of the form.

## 14) View After Editing Employee - Joseph Castro to Joseph D'Souza



The screenshot shows a web application interface for managing employees. The browser address bar indicates the URL is `localhost:8088/employees/`. The application has a blue header bar with navigation links: "Employee Management App", "Employees", "Create Employee", "Users", and "Create User". On the right of the header, it says "Welcome admin@ems.com" and has a "Logout" link.

The main content area is titled "List Employees" and features a search bar with a "Search" button. Below the search bar is a table listing employees. The table has four columns: "Employee First Name", "Employee Last Name", "Employee Email", and "Actions". The "Actions" column contains three buttons: "Update" (blue), "Delete" (red), and "View" (cyan).

The table contains 10 rows of employee data. The 5th row shows "Joseph" as the first name and "D'Souza" as the last name, with the email "jcastro@hotmail.com". This row is highlighted, indicating it is the current view after editing.

Employee First Name	Employee Last Name	Employee Email	Actions
Aditya	Chopra	achopra@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Crystal	Fernandes	cfern@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Jameel	Khan	jkhan@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Jaspreet	Kaur	jkaur@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Joseph	D'Souza	jcastro@hotmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Ketan	Sharma	ksharma@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Manish	Dubey	mdubey@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Micheal	Jordan	mjordan@yahoo.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>
Rahul	Naik	rnaik@gmail.com	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">View</a>

## 15) List of Employees - Ascending Order

localhost:8068/employees/sort?order=asc

Employee Management App Employees Create Employee Users Create User Welcome admin@ems.com Logout

### List Employees

Employee First Name	Employee Last Name	Employee Email	Actions
Aditya	Chopra	achopra@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Crystal	Fernandes	cferna@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jameel	Khan	jkhan@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jaspreet	Kaur	jkaur@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Joseph	D'Souza	jcastro@hotmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Ketan	Sharma	ksharma@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Manish	Dubey	mdubey@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Micheal	Jordan	mjordan@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Rahul	Naik	rnai@yahoo.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>

## 16) List of Employees - Descending Order

localhost:8068/employees/sort?order=desc

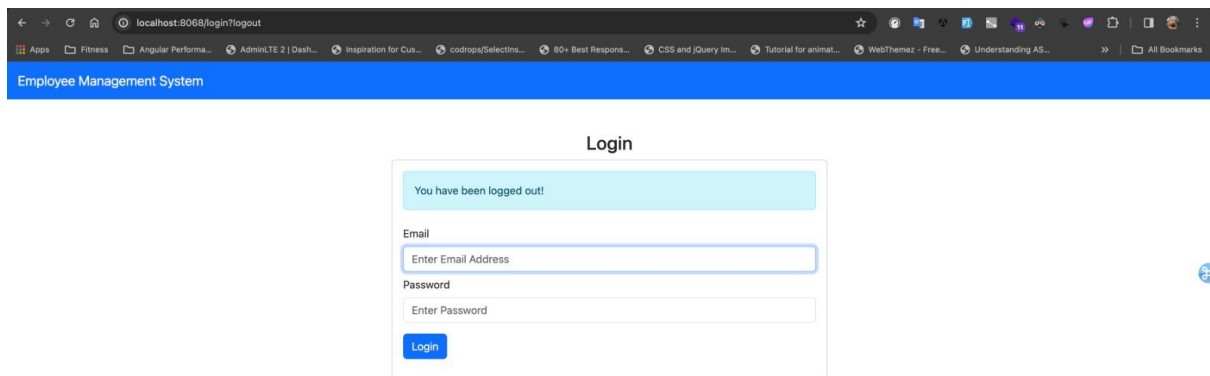
Employee Management App Employees Create Employee Users Create User Welcome admin@ems.com Logout

### List Employees

Employee First Name	Employee Last Name	Employee Email	Actions
Rahul	Naik	rnaik@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Micheal	Jordan	mjordan@yahoo.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Manish	Dubey	mdubey@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Ketan	Sharma	ksharma@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Joseph	D'Souza	jcastro@hotmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jaspreet	Kaur	jkaur@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Jameel	Khan	jkhan@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Crystal	Fernandes	cfem@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>
Aditya	Chopra	achopra@gmail.com	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="View"/>



## 17) User Log Out



The screenshot shows a web browser window with the address bar displaying 'localhost:8068/login?logout'. The browser's address bar and tabs are visible at the top. Below the browser window, there is a blue header bar with the text 'Employee Management System'. The main content area is titled 'Login' and contains a form. The form has a light blue message box at the top that says 'You have been logged out!'. Below this, there are two input fields: 'Email' with the placeholder text 'Enter Email Address' and 'Password' with the placeholder text 'Enter Password'. A blue 'Login' button is located at the bottom of the form.

localhost:8068/login?logout

Employee Management System

### Login

You have been logged out!

Email

Enter Email Address

Password

Enter Password

Login

## 18) Method under Security Configuration File

```
@PostConstruct
public void insertInitialUserData() {
    UserRegistrationDto registrationDtoAdmin = new UserRegistrationDto();
    registrationDtoAdmin.setEmail("admin@ems.com");
    registrationDtoAdmin.setPassword("AdminUser@123");
    registrationDtoAdmin.setFirstName("EMS");
    registrationDtoAdmin.setLastName("Admin");
    registrationDtoAdmin.setRole("ROLE_ADMIN");

    UserRegistrationDto registrationDtoUser = new UserRegistrationDto();
    registrationDtoUser.setEmail("user@ems.com");
    registrationDtoUser.setPassword("NormalUser@456");
    registrationDtoUser.setFirstName("EMS");
    registrationDtoUser.setLastName("User");
    registrationDtoUser.setRole("ROLE_USER");

    userService.save(registrationDtoAdmin);
    userService.save(registrationDtoUser);
    System.out.println("Added default users!");
}
```

This method is under SecurityConfiguration File, which is located in the configs directory and would add 2 users to the database whenever the application is started. This setup is there because we are using h2 database which gets cleared when we start/stop the application and this database is only recommended for development.

If at all we are using anything else that h2, then we might need to create an sql script which would run only once to add the users. Later it will be available in the database all the time irrespective of application startup/shutdown