EMPLOYEE MANAGEMENT SYSTEM

- P. Aaryasri

Features

- CRUD Operations
  - Adding an employee
  - Deleting an employee
  - Updating an Employee
- Searching
- Sorting
- Pagination
- File Uploading
- Form Validation
  - Necessary Information
  - Password Constraints

Tech Stack

- Backend:

  - <u>Spring Boot:</u> Manages the application's lifecycle, configuration, and dependency injection.
  - <u>Spring MVC</u>: Handles web requests and responses, maps URL paths to controllers.
  - <u>Spring Data JPA:</u> Provides repository interfaces for CRUD operations with JPA entities.
- Frontend:

  - <u>Thymeleaf:</u> Renders HTML pages dynamically based on server-side data.
  - <u>Bootstrap:</u> Styles the HTML pages and provides responsive design components.
- Validation:
  - <u>Jakarta Bean Validation:</u> Ensures that data meets specific requirements before processing or persisting it.

Interface

Employees List

Add Employee

Employee First Name	Employee Last Name	Employee Email	Phone	Address	Actions
Aaryasri	Polagani	aaryasripolagani@gmail.com	8985101521	Poranki	Update Delete
Emily	John	emilyjohn@gmail.com	8978675467	Delhi	Update Delete
Geetha	subramnayam	geetha@gmail.com	8986789010	Hyderabad	Update Delete
Jane	Does	janedoe@gmail.com	1234512345	shimla	Update Delete
John	Smith	john.smith@gmail.com	8978788976	Vijayawada	Update Delete

Upload File

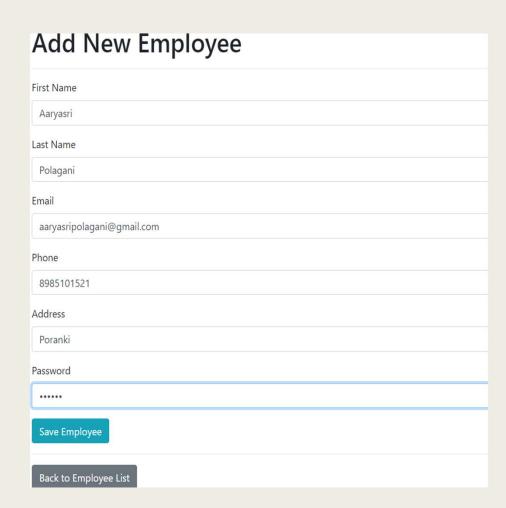Choose file:

Choose File 2024235765 (1).pdf
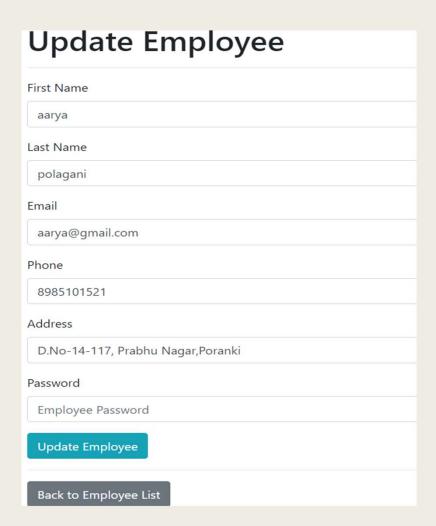
Upload

Previous 1 2 Next

Total Rows: 6

CRUD operations-Adding

On clicking the add Employee button of Interface, we can add a new Employee to the System.
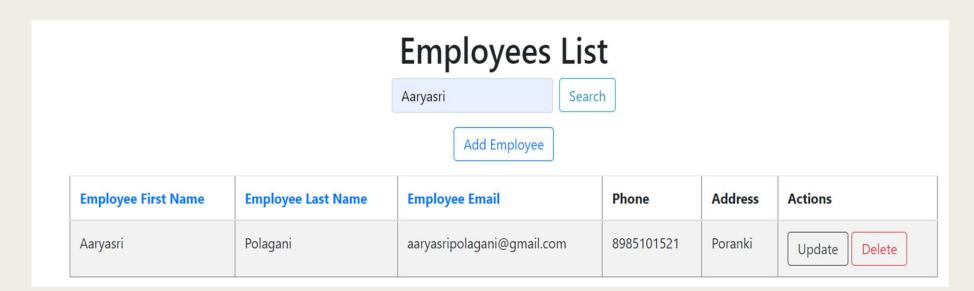

Add New Employee

First Name

Aaryasri

Last Name

Polagani

Email

aaryasripolagani@gmail.com

Phone

8985101521

Address

Poranki

Password

••••••

Save Employee

Back to Employee List

CRUD operations-Updating

If we want to update details of any employee, then we can update the details with the help of Update button.

Update Employee

First Name

aarya

Last Name

polagani

Email

aarya@gmail.com

Phone

8985101521

Address

D.No-14-117, Prabhu Nagar,Poranki

Password

Employee Password

[Update Employee]
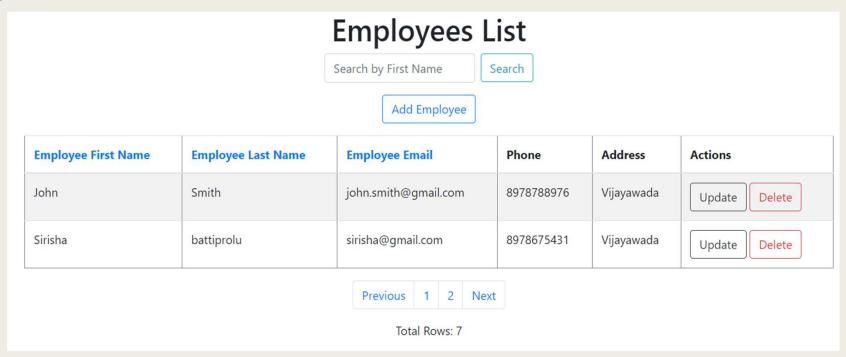
[Back to Employee List]

Searching

If we want to know the details of a specific Employee, we can search by First Name of Employee to get the details of that specific Employee.

Sorting

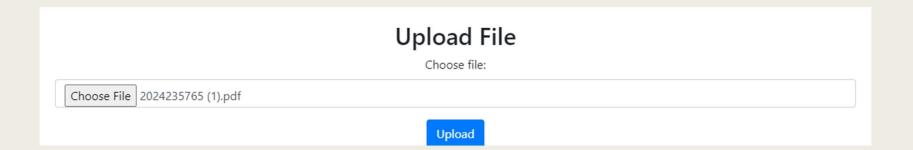| Employee First Name	Employee Last Name	Employee Email	Phone	Address	Actions
aarya	polagani	aarp@gmail.com	8985101521	D.No-14-117, Prabhu Nagar,Poranki	Update Delete
Aaryasri	Polagani	aaryasripolagani@gmail.com	8985101521	Poranki	Update Delete
Emily	John	emilyjohn@gmail.com	8978675467	Delhi	Update Delete
Jane	Does	janedoe@gmail.com	1234512345	shimla	Update Delete
John	Smith	john.smith@gmail.com	8978788976	Vijayawada	Update Delete

We can sort the data of employee by first name or last name or email by clicking on the column name.
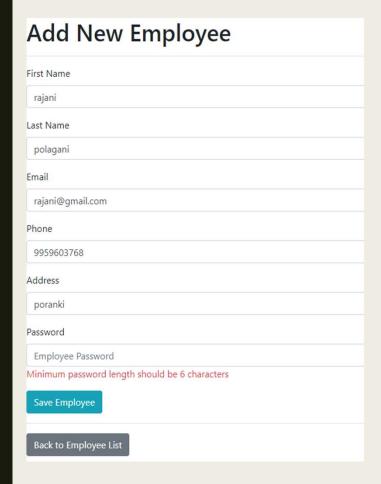
Pagination

Pagination is applied so that for every 5 rows, the data will be in a new page, we can access a particular page by clicking on the page number .
If we want to go to next page ,we can click on next button.
If we want to access the [previous page , we can click on previous button.

File Uploading

Form Validation Constraints

Form Validation is added for required fields such as
- First Name
- Last Name
- Mail
- phone number
- address
- password

THANK YOU