Employee Management System

Prepared By	1. Anupam Das (149983)
	2. Debabrata Maji (204922)
Reviewed By	1. Koushik Mahakal (180579)

Problem Statement:

Employee Management application is a role-based application. There are mainly 2 roles: Admin and Employee. The main purpose of this application is to provide the ability to Search, Add, Edit and Delete the employee details as an admin. The Employee can only have the read-only access to view the employee details in a tabular format and their own profile details.

Use Cases:

User Story #	User Story Name	User Story
US_01	Employee Registration/Add	As an admin, I can create employee profile in the project management portal with the following details: 1. First Name 2. Middle Name 3. Last Name 4. Phone 5. Email 6. Salary 7. Location 8. Department 9. Employee ID <Automated> 10. Default password
US_02	Employee Login (First-Time)	As an employee, I will be able to enter the system with my login credentials: 1. Employee ID 2. Default Password After first time login, I will be asked to change the password. Once, password change done, I will be redirected to login screen

US_03	Employee Login	Once I logged into the system, I will be shown my profile details as follows:
		1. First Name
		2. Middle Name
		3. Last Name
		4. Phone
		5. Email
		6. Salary
		7. Location
		8. Department
		9. Employee ID
		There will be 2 radio buttons, A search textbox and a search button:
		1. Radio Buttons:
		   a. Search All – If selected, text box will be disabled
		   b. Search ID – If selected, text box will be enabled.
		2. Search textbox:
		   a. Will accept numeric only. (MAX 10).
		3. Search button:
		   a. Will be disabled if no radio button is selected.

		b. On click, a validation message will show if Search ID radio is selected, and no data provided in the search textbox. *"Please provide valid Employee ID"*
US_04	Employee search by another employee	As an employee, once logged in to the system: 1. Select Search All and click on Search button: All the employee details will be shown in a tabular format: | Employee ID	First Name	Middle Name	Last Name
---	---	---	---
123456	TestFirst	TestMiddle	TestLast	 • Employee ID will be a hyperlink. On clicking it, user will be redirected to Employee Details page and following details will show: a. First Name b. Middle Name c. Last Name d. Phone e. Email f. Location g. Department h. Employee ID 2. Select Search ID, enter Employee ID and click on Search button: Employee Details screen should display for the specific employee.
US_05	Admin Login	As an admin, I will ne able to login to the system with my admin login credentials: 1. Employee ID 2. Password By logging into the system, I will be able to see following details: • My profile details: a. First Name b. Middle Name c. Last Name d. Phone e. Email f. Salary g. Location h. Department i. Employee ID • Add Employee Button • 2 radio buttons, A search textbox and a search button: **Radio Buttons**: a. Search All – If selected, text box will be disabled b. Search ID – If selected, text box will be enabled. **Search textbox:** c. Will accept numeric only. (MAX 10). **Search button:** d. Will be disabled if no radio button is selected.

		e. On click, a validation message will show if Search ID radio is selected, and no data provided in the search textbox. *"Please provide valid Employee ID"*
US_6	Employee search by admin	As an admin, once logged in to the system: 1. Select Search All and click on Search button: All the employee details will be shown in a tabular format with a checkbox, so that multiple records can be selected: **Validation**: o If multiple checkboxes are selected, Employee ID Hyperlink should be disabled. o If header checkbox is selected, all the employee record will be selected.

	Employee ID	First Name	Middle Name	Last Name
	123456	TestFirst	TestMiddle	TestLast

		• Employee ID will be a hyperlink. On clicking it, user will be redirected to Employee Details page and following details will show: a. First Name b. Middle Name c. Last Name d. Phone e. Email f. Location g. Department h. Employee ID i. Salary 2. Select Search ID, enter Employee ID and click on Search button: Employee Details screen should display for the specific employee.
US_7	Employees modify	As an admin, I will be able to modify employee details in Employee Detail screen selected from the search result.
US_8	Employees delete	As an admin, I will be able to delete employee details in Employee Detail screen selected from the search result.

REST APIs:

Endpoint Exposed	Purpose
/ems/api/v1/getAllEmployees	Fetch all the employee details
/ems/api/v1/getEmployee/{id}	Fetch a single employee detail using Employee ID
/ems/api/v1/addEmployee	Adds a new employee
/ems/api/v1/deleteEmployee/{id}	Delete a single employee detail using Employee ID
/ems/api/v1/modifyEmployee/{id}	Modify a single employee detail using Employee ID
/ems/api/v1/entry	Login to the system

Done Implementation