

HRMS

Full stack application development using Flask-Restful, SQLAlchemy, React JS and SQLite

Develop a Web application using React JS to manage human resource information. The UI should provide the following functionality:

1. View the list of employees
 - a. One page at a time
 - b. 10 records per page
 - c. User should be able to load more (the list should grow)
2. View full details of one employee from the list
 - a. Should provide two buttons - "Edit" and "Delete"
3. Edit and save details of an employee
4. Delete the details of an employee
5. Add details of a new employee
 - a. Should be able to add one or more employee details
6. Search employee details based on:
 - a. Mobile number
 - b. Email address
 - c. Salary range
 - d. Department
 - e. Years of experience (equals to, greater than or less than)
 - f. Age group (from and to)
7. Download details in PDF or ODT format

Use React Routing for navigating from home page to various pages.

Following details about an employee need to be stored in the database.

1. ID (auto generated, int)
2. Name
3. Gender
4. Job title
5. Department
6. Salary
7. Email address
8. Phone number
9. Date of birth
10. Date of join

Following URIs should be exposed:

1. GET /api/employees
 - a. Parameters include: email, phone, _page, _limit, min_salary, max_salary, department, exp_yr, exp_yr_gt, exp_yr_lt, min_age, max_age
2. POST /api/employees
 - a. Request body may be one employee or an array of employees
3. PATCH /api/employees/<employee_id>
4. GET /api/employees/<employee_id>
5. DELETE /api/employees/<employee_id>