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**Searchable Design LLC.**

**FEB 09, 2024**

## **Task List.**

* Import data from excel and/or csv. User should be able to import from both excel and csv.   
  Following are the fields to import from excel/csv:  
  1. Full Name, Date of Birth (date), Gender, Salary (decimal), Designation
* While importing, following should be considered:

1. All fields should have value; if any fields do not have value, you should show validation error messages in the UI
2. Date of birth should be date field. Should be validated and proper message should be shown
3. Salary should be decimal. Should be validated and proper message should be shown.
4. If a row is empty, it should be skipped. If number of skipped rows > 0, you should display message: “X rows [12,13,14] were skipped since they did not have data”
5. File upload validation i.e. only excel and csv file should be allowed. If other file types uploaded, then show error message.

**Note**: At first display uploaded data into modal popup with validation msg, then when user clicks on save button, save data from modal popup and close modal popup, display msg.

* Imported data should be saved to database, along with datetime field where you save imported date and imported by field
* All data should be displayed in “Manage Employees” page. You should be able to filter the data by **imported date,** date picker must be present**.**
* You should implement paging and sorting in the list page from database level.
* You should be able to add new record from the list page. While adding new record, you should be able to upload image for the record. It should be image only (not other file types), and maximum size allowed should be 4MB.
* You should be able to edit any record.
* You should be able to update image also.
* Put checkbox at top header row so that user can select all the rows in the page
* Put checkbox at the leftmost column in each row so that use can select individual records
* Allow to Export data to for the selected records. Allow user to choose export format: excel, csv, pdf
* Add print button to print the page
* Only an authorized user will have access to perform above task. If unauthorized user attempts to print/export, then send email to [admin@gmail.com](mailto:admin@gmail.com). Using template.
* Allow user to login and logout
* Put filter (or search) by following fields:
  + - 1. Employee Name,Date of Birth between start date and end date,Salary range, Gender, Designation
* Call api from C# code from <http://dummy.restapiexample.com/api/v1/employees>. And display data in API Data page.

## **Submission Guidelines:**

1. The candidate should provide the source code along with a brief README explaining the design choices and any additional features implemented.

## **Evaluation Criteria:**

1. Code structure and organization.
2. Proper use of MVC principles.
3. Data modeling and database interactions.
4. Code readability and commenting and reusability.