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**Assignment**

**Junior Frontend Developer**

**Environment Setup**

This asisgnment is based on an Angular 12 application. To complete it, ensure you have the following setup:

1. Install Node.js 14 or 16 from [nodejs.org](https://nodejs.org/) (newer versions will require you to run npm start).
2. Install Angular CLI globally using npm install -g @angular/cli.
3. Run npm install inside the project folder after extracting the provided ZIP.
4. Start the development server with ng serve or npm start and access the application at http://localhost:4200/.

**Overview**

The application includes a **Contracts** page that displays a list of contracts with filtering options. This assignment involves enhancing the existing functionality by adding new filters, improving data presentation and refining user interactions.

**Requirements**

**Filters**

Enhance the filtering functionality by ensuring the following filters are available:

* **Contract Status** (Already exists)
* **Contract Type** (New)
* **Start Date** (New)
* **End Date** (New)
* Provide an option to **clear all filters**.

**Grid Enhancements**

Ensure the following properties are visible in thegrid:

* **Contract Type** (Already exists)
* **Contract Status** (New) - Represent each status with an appropriate icon.
* **Customer Name** (Already exists)
* **Boat Name** (Already exists)
* **Location** (Already exists)
* **Start Date** (Already exists) - Format to: *12th December 2025*.
* **End Date** (Already exists) - Format to: *12th December 2025*.
* **Duration in Days** -Display the duration in days using the Contract class.
* **Total Inc VAT** (New) - Display with respective currency format.
* **Delete Action** (New) - Add a column with a delete icon; clicking it should remove the respective row.

Additionally:

* Ensure each column is sortable and filterable.

**Edit Contract Dialog**

Complete the Edit Contract dialog with the following fields:

* **Contract Type** (Dropdown)
* **Contract Status** (Dropdown)
* **Start Date** (Date Picker)
* **End Date** (Date Picker)

When any relevant field in the form updates, dynamically retrieve and display a new quote within the dialog. Clicking "Update" should update the corresponding row in the grid.

**Expectations**

* Implement clean and maintainable code.
* Ensure intuitive UX/UI interactions.
* Handle form updates efficiently, ensuring that the displayed quote reflects changes accurately.

**Deliverables**

* A fully functional Contracts page with the specified enhancements.