**Problem Statement:**

Inventory management system 

1. Login screen:   
   - User should be able to login using predefined username and password.
2. Inventory List screen:   
   - User should be able to navigate to this screen only after successful login.

- Below details will be displayed to the user

a. Add button:

- By clicking on this button user should navigate to Add/Edit Inventory screen

* 1. List of inventory:   
     Table containing below fields will be displayed   
     1. Product Name - Name of the product (By default sorted by Product Name)   
     2. Supplier Name - Name of supplier   
     3. Quantity - Quantity (should display number with thousand separator eg. 12,456)   
     4. Unit price - Unit Price (should display '.00' decimal number in US dollar and thousand separator)   
     5. Total cost - Quantity \* Price (Auto calculated, should display '.00' decimal number in US dollar and thousand separator)   
     6. Actions - Button Edit     
         When user clicks on Edit user should navigate to Add/Edit screen and able to update the record

1. Add/Edit Inventory screen:   
      User should be able to enter the inventory with below fields
   1. Product Name - (Mandatory) Text field not more than 100 characters
   2. Supplier - (Mandatory) Dropdown field listing predefined suppliers from Supplier table
   3. Quantity - (Mandatory) Number input should only accept numbers
   4. Unit Price - (Mandatory) Decimal input should only accept numbers
   5. Total Cost - Read only field will auto calculate based on values entered in quantity and unit price
   6. Submit - Button to submit the form    
           - After user clicks on submit a form should be validated, display error message if any conditions not matching   
           - Only after form validation is complete record should be added to the Inventory Table and success or failure message needs to be displayed.   
           - After success user needs to navigate back to the Inventory List screen and user should be able to view the newly created/update record.
   7. Clear - Button to clear the form.   
         
      **Note:** Product Name should be unique.

4. Web API & backend - Up to trainee to design or add in functionality based on the above requirements.   
 

**Note:** Focus would be more on the coding style, best practices, reusability/ optimizations considerations, thought process etc.