Customer Management System

(Fullstack Dev: Angular, Dotnet Core, WebAPI, EF, SQL DB)

1.1 Technical specifications:

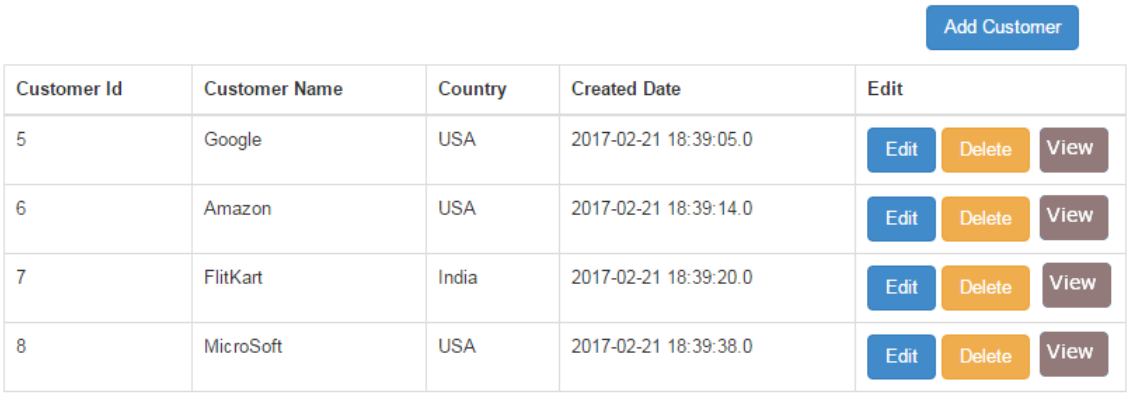
Use the following

1. Use Angular 12 and Bootstrap for Front-end
2. Use the .Net Core WebAPI project for APIs
3. Use MS SQL or My SQL to store data

1.2 Functional specifications:

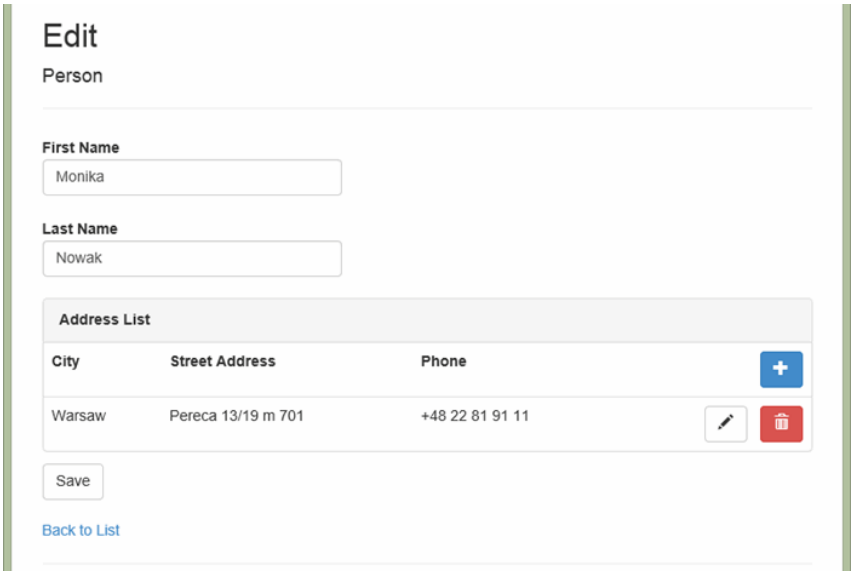
Add following functionality to the angular application:

1. Home page with grid. Grid should display list of customers as shown in diagram below.



2. Grid should have following columns
    a. Customer ID
    b. Customer Name
    c. Country
    d. Created Date
    e. Edit

3. Edit column should have followings action buttons
    a. Edit
    b. Delete
    c. View
4. There should be “Add Customer” option above grid.
5. On click of Add/Edit button new popup should be displayed as below



6. Customer should have following details
    a. First Name
    b. Last Name
    c. Address List
        i. City
        ii. Street Address
        iii. Phone
7. On click of “Save” button, application should validate all inputs
8. If validation is successful, application should store Customer details to database and return to Home Page
9. On click of “Delete” button in grid, record should be soft deleted from database

10. On click of “View” button, read-only customer details should be displayed.
11. You have to create CRUD APIs for storing and retrieving customer details from DB
12. You can use Entity Framework in APIs

1.3 Review Considerations:

1. Coding standards – like clean code, documentation etc.
2. Best practices/approaches followed
3. UI/UX
4. Unit Testing
5. Presentation

1.4 Submission Instructions:

1. Create an account on GitHub, upload the repository to it and share the link to the email mentioned below:
   Email ID: **assignment@quadwave.com**
2. Also, please attach the screenshots from your project to the mentioned email ID