

Module 12

What to learn

Communicating with backend services using HTTP

Setup for server communication

Practice Exercise

Practice 1

Do the hands on from the following url <https://angular.io/tutorial/toh-pt6>

Assignment Exercise

Assignment 1

With reference to day10 assignment Do the crud operation with Student Admission Form.

Assignment 2

CreateComponent,Edit Component and Delete Component. Create a Web API using .netCore and MS SQL Database, Entity Framework core.

Assignment 3

Create an Angular service to perform **CRUD operations** (Create, Read, Update, Delete) on the **GoRest API** (<https://gorest.co.in/>). Implement the following:

Read: Fetch and display a list of **users** from the API (GET request).

Implement pagination and only show **10 users per page**.

Display user details such as **name**, **email**, and **status**.

Create: Implement a form to create a new **user** and add it to the list (POST request).

Validate the form to ensure the **name** and **email** are provided, and **email** is in a valid format.

Add a **default status** of "active" unless specified otherwise.

Update: Allow editing of an existing **user's** information (name, email, status) and update it via the API (PUT request).

Before updating, check if the **email** already exists for another user. If it does, show a warning that the email is already in use.

Delete: Provide a way to delete a **user** from the list (DELETE request).

Implement a confirmation dialog before deleting a user to prevent accidental deletions.

After successful deletion, refresh the user list.

Business Logic:

Active User Filtering:

Add a filter to display only **active** users by default.

Allow toggling between **active** and **inactive** users with a button, updating the list accordingly.

Error Handling:

Ensure proper error handling for each API request (e.g., if a user tries to create a user with an existing email, show a specific error message).

Display a success message after successful operations (e.g., user creation, update, or deletion).

Online Reference

No online Reference

Introduction

the basics

course project-basics

debugging

components & databinding deep dive

course project – components & databinding

directives deep dive

Using Services & Dependency Injection

Course Project – Services & Dependency Injection

Changing Pages with Routing

Course Project – Routing

Handling Forms in Angular Apps

Course Project-Forms

Using Pipes to Transform Output

Making Http Requests