Json encode and decode

Thread

Dependency injection

Instead of creating the instance we are injection the repostitory in the constructore

Table

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Different types of action methods

Controllers

View return types

Action filter

Routing

C#,

Asp.net

Mvc,

Linq

Sql

Javascript

React js

Thread

Security

Process

A process, in the simplest terms, is an executing program

**the instance of a computer program that is being executed by one or many threads**

Multi thredad

What is thread?

**A thread is defined as the execution path of a program**. Each thread defines a unique flow of control. If your application involves complicated and time consuming operations, then it is often helpful to set different execution paths or threads, with each thread performing a particular job.

What is mutli theread?

Multithreading in C# is a process in which multiple threads work simultaneously. It is a process to achieve multitasking. It saves time because multiple tasks are being executed at a time. To create multithreaded application in C#, we need to use **System.Threding** namespace.

Design pattern

Graphical user interface, text, application

Description automatically generated

Token authenticartion

Graphical user interface, text, application

Description automatically generated

Exception

Mutilifactor authentication

https://docs.microsoft.com/en-us/aspnet/core/security/authentication/mfa?view=aspnetcore-6.0

Types of entitie

<https://www.entityframeworktutorial.net/Types-of-Entities.aspx>

entity state-

it will in which state it is actallu

like insert,update..

types of entity-

<https://www.entityframeworktutorial.net/Types-of-Entities.aspx>

**DbSet corresponds to a table or view in your database**.

What is async and awit? https://www.c-sharpcorner.com/article/async-and-await-in-c-sharp/

If we use synchronous it will take longer time to complete everything supoose if there are 3 methods which are link to each other it will take long time to complete.

So if we use async it is faster.

ActionResult:

<https://www.youtube.com/watch?v=Wofodc6qfNE>

actionresult basically review view function..

action result is an absratct class

in abstract result we have many sybtypes like json,contentmpartial

depending on the requirements we are taking

IActionResult:

<https://dotnettutorials.net/lesson/controller-action-return-types-core-web-api/#:~:text=The%20IActionResult%20is%20an%20interface,signature%20of%20the%20IActionResult%20interface>.

IActionResult is basically an interface used to return multiple data types

Suppose if u want retirn OK,notfound,redirect then we can use this