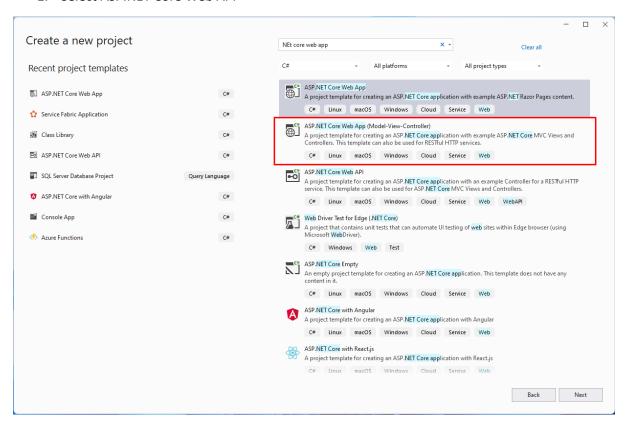
What is stateless app?

A protocol is **stateless** if there is no relation between subsequent request-response pairs. The server can handle each request uniquely and does not have to keep a session state for the client. It does not keep track of configuration settings, transaction information or any other data for the next session. HTTP is a **stateless protocol**. This means that a Web server treats each HTTP request for a page as an independent request. The server retains no knowledge of variable values that were used during **previous requests**.

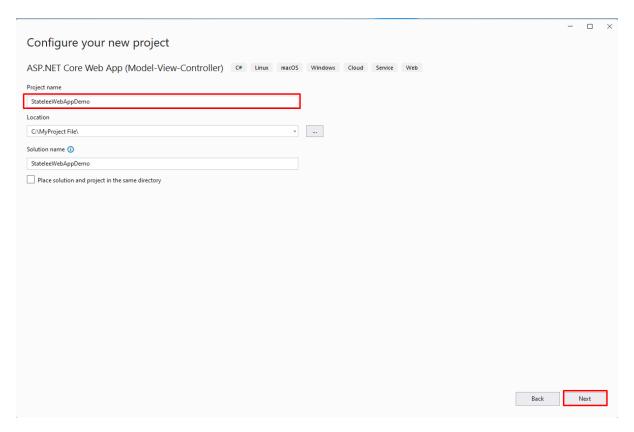
In a purely stateless environment, you wouldn't need session id. Each request would contain all the information the server would need to process. But many applications need to **maintain state** to keep track of whether or not a session is authenticated to view certain content or to keep track of what a user is doing. ASP.NET session state identifies requests from the same browser during a limited time window as a session, and provides a way to persist variable values for the duration of that session. **ASP.NET-MVC**, however, does not use server-side controls so it doesn't have to maintain state. The MVC model separates the problem domain into the three partitions so that data is delivered to the client in a **streamlined** manner.

Stateful means that there is memory of the past. **Previous transactions** are remembered and may affect the current transaction.

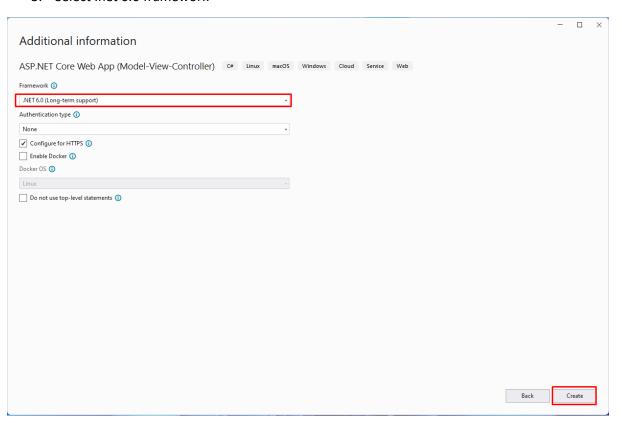
1. Select ASP.NET Core Web APP



2. Give name to the project



3. Select .net 6.0 framework



4. Click on run

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)
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                                                                                                                                                                                                                                                                                                                                                                                                                                        🖒 Live Share 👂
                                                                                                                                                                                                                                                                                                                                - 1 ×
                                        var builder = WebApplication.CreateBuilder(args);
      {<sub>B</sub>
                                                                                                                                                                                                                                                                                                                                               Search Solution Explorer (Ctrl+;)

Solution 'StateleeWebAppDemo' (1 of 1 project)
                                       // Add services to the container.
builder.Services.AddControllersWithViews();
                                                                                                                                                                                                                                                                                                                                                         var app = builder.Build();
                                                                                                                                                                                                                                                                                                                                                              Properties
www.vroot
Controllers
                                    // Configure the HTTP request pipeline.

Eif (lapp.Environment.IsDevelopment())

{
    app.UseExceptionHandler("/Home/Error");
    // The default HSTS value is 30 days. You may want to change this for production scenarios, see the second se
                                                                                                                                                                                                                                                                                                                                                             ▶ ■ Models
                                                                                                                                                                                                                                                                                                                                                    → Views
→ (i) appsettings.json
→ C# Program.cs
                                    app.UseHsts();
}
                     13
14
15
16
17
18
                                       app.UseHttpsRedirection();
app.UseStaticFiles();
                                      app.UseRouting();
                                      app.UseAuthorization():
                                     app.MapControllerRoute(
  name: "default",
  pattern: "{controller=Home}/{action=Index}/{id?}");
                                      app.Run();
                                                                                                                                                                                                                    ► Ln: 1 Ch: 1 SPC CRLF | Solution Explorer | Git Changes
```

5.you will see cmd prompt with web app address

```
info: Microsoft.Hosting.Lifetime[14]
Now listening on: https://localhost:7223
info: Microsoft.Hosting.Lifetime[14]
Now listening on: http://localhost:5223
info: Microsoft.Hosting.Lifetime[0]
Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
Content root path: C:\MyProject File\StateleeWebAppDemo\StateleeWebAppDemo\
```

6. you will see output in browser

