Scaffolding in MVC

Scaffolding in MVC (Model-View-Controller) refers to a technique where the framework generates the basic skeleton code or templates for CRUD (Create, Read, Update, Delete) operations for a model.

**Steps to Use Scaffolding in ASP.NET MVC**

1. **Create a Model**: Define your data model classes using C#.
2. **Add a Data Context**: Create a database context class that derives from DbContext to define a session with the database.
3. **Generate Controllers with Scaffolding**: Right-click on the Controllers folder in your project, then choose Add -> Controller. Select the option to scaffold a controller with views, using Entity Framework

Choose the model class (Product in this case) and the data context (AppDbContext).

Specify the controller name (ProductsController).

Select the scaffolding template for CRUD operations (Empty, Read/Write, etc.).

1. Customize Generated Views
2. Run the Application

Benefits

* Rapid Development -
* Consistency
* **Customizability**
* Integration with Data Access

Limitations and Considerations

* Basic Functionality
* Maintenance
* Security -input validation, authentication, and authorization

**The MVC model defines web applications with 3 logic layers,**

* The business layer (Model logic)
* The display layer (View logic)
* The input control (Controller logic)