

# CRUD Operation Tutorials

## Categories CRUD Operation:

### ### Database Connection

~appsettings.json

"connMSSQL": "Server=DEVSTATION\\MSSQLSERVER2017;Database=WebStarterKit;User ID=sa;Password=dev123456;MultipleActiveResultSets=true",

### ### Add Migration

PM> add-migration InitialCreate

PM> update-database

### ### Categories CRUD Operation

1. Create Model: Database Table

- add into DB Context:

- public DbSet<Categories> Categories { get; set; }

~Model/Categories.cs

~Data/ApplicationDbContext.cs

2. Create View Model: For Display data in UI

- Mapping Model

~Model/CategoriesViewModel/CategoriesCRUDViewModel.cs

3. Create a Controller

- Model to view communication

~Controller/CategoriesController.cs

4. Create a View

- Display data by communicating controller and model

~View/Categories

5. Create Javascript/jQuery function

- Validation of user input

- CRUD operation using ajax request

~wwwroot/js/Categories/Categories\_CRUD.js

~wwwroot/js/Categories/Categories\_Datatable.js

6. Create Menu

~Pages/MainMenu.cs

public static class Categories

{

public const string PageName = "Categories";

public const string RoleName = "Categories";

public const string Path = "/Categories/Index";

```

        public const string ControllerName = "Items";
        public const string ActionName = "Index";
    }
~Pages/MainMenuViewModel.cs
public bool Categories { get; set; }
~View/Shahed/_AdminlteMainSidebar.cshtml
@if (Model.MainMenuViewModel.Categories)
{
    <li class="nav-item">
        <a href="@MainMenu.Categories.Path" class="nav-link">
            <i class="nav-icon fas fa-tasks"></i>
            <p>@localizer[@MainMenu.Categories.PageName]</p>
        </a>
    </li>
}

```

### ### Technology

1. Entity Framework Code First
2. ASP.NET Core MVC
3. MSSQL Database
4. C#
5. Javascript
6. jQuery
7. Razor