

■ Cheat Sheet – Desktop → Razor MVC Conversion

1. Create the Project

New Project: ASP.NET Core Web App (Model-View-Controller)
Name: DesktopToRazor
Framework: .NET 8
Options: Authentication = None, Uncheck HTTPS

2. Models (Logic Layer)

■ Location: DesktopToRazor/Models/
Customer.cs → Reused from desktop (Name:string, Age:int)
Calculator.cs → Reused from desktop (method doubles given age)
CustomerHelper.cs → Reused from desktop (method returns 'Customer: ', Age: '')

3. Controller (UI Logic)

■ Location: DesktopToRazor/Controllers/
CustomerController.cs → New
- Index() → loads the form
- CreateCustomer(string name, int age) → uses CustomerHelper, sends message to view via ViewBag.Message
- DoubleAge(int age) → uses Calculator, sends doubled value to view via ViewBag.Message

4. Views (UI Pages)

■ Location: DesktopToRazor/Views/Customer/
Index.cshtml → New
- Form 1: Text fields for Name and Age + 'Create Customer' button
- Form 2: Text field for Age + 'Double Age' button
- Displays @ViewBag.Message

5. Routing

■ Location: DesktopToRazor/Program.cs
Edit default route to:
`app.MapControllerRoute(
name: "default",
pattern: "{controller=Customer}/{action=Index}/{id?}");`

6. Run the App

Press Ctrl+F5
Open browser at <http://localhost:5000>

Test both buttons

Summary

Reused files: Customer.cs, Calculator.cs, CustomerHelper.cs

New files: CustomerController.cs, Index.cshtml

Edited file: Program.cs