

# Source Code

```
using Microsoft.AspNetCore.Mvc;

namespace BankLoginApp.Controllers
{
    public class BankLoginController : Controller
    {
        public IActionResult Index()
        {
            return View();
        }

        [HttpPost]
        public IActionResult Login(string username, string password)
        {
            // Perform authentication here (e.g., check username and password
            // against database)
            // For this prototype, let's assume a hardcoded username and password
            if (username == "admin" && password == "password")
            {
                return RedirectToAction("Welcome");
            }
            else
            {
                ViewBag.ErrorMessage = "Invalid username or password.";
                return View("Index");
            }
        }

        public IActionResult Welcome()
        {
            return View();
        }
    }
}

@{
    ViewData["Title"] = "Bank Login";
}

< h2 > Bank Login </ h2 >

< form asp - controller = "BankLogin" asp - action = "Login" method = "post" >
    < div class= "form-group" >
        < label for= "username" > Username:</ label >
        < input type = "text" id = "username" name = "username" required >
    </ div >
    < div class= "form-group" >
        < label for= "password" > Password:</ label >
        < input type = "password" id = "password" name = "password" required >
    </ div >
    < button type = "submit" > Login </ button >
</ form >
```

```
@if(!string.IsNullOrEmpty(ViewBag.ErrorMessage))
{
    < p class= "error-message" > @ViewBag.ErrorMessage </ p >
}
```

```
FROM mcr.microsoft.com / dotnet / aspnet:5.0 AS base
WORKDIR /app
EXPOSE 80
EXPOSE 443
```

```
FROM mcr.microsoft.com/dotnet/sdk:5.0 AS build
WORKDIR /src
COPY ["BankLoginApp.csproj", ""]
RUN dotnet restore "./BankLoginApp.csproj"
COPY . .
WORKDIR "/src/."
RUN dotnet build "BankLoginApp.csproj" -c Release -o /app/build
```

```
FROM build AS publish
RUN dotnet publish "BankLoginApp.csproj" -c Release -o /app/publish
```

```
FROM base AS final
WORKDIR /app
COPY --from=publish /app/publish .
ENTRYPOINT ["dotnet", "BankLoginApp.dll"]
```