

Source Code for Deploy a Prototype Webapp of a Bank Login Page Using Docker

Login.cshtml:

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

<h2>Login</h2>

<form method="post">
    <div class="form-group">
        <label for="username">Username</label>
        <input type="text" class="form-control" id="username" name="username" required />
    </div>
    <div class="form-group">
        <label for="password">Password</label>
        <input type="password" class="form-control" id="password" name="password" required />
    </div><br />
    <button type="submit" class="btn btn-primary">Login</button>
</form>
```

Dashboard.cshtml:

```
@{
    ViewData["Title"] = "Dashboard";
}

<h2>Dashboard</h2>

<div class="row">
    <div class="col-md-4">
        <button class="btn btn-success">View Account Balance</button>
    </div>
    <div class="col-md-4">
        <button class="btn btn-info">Transfer Funds</button>
    </div>
    <div class="col-md-4">
        <button class="btn btn-danger">Logout</button>
    </div>
</div>
```

Dockerfile:

#See <https://aka.ms/customizecontainer> to learn how to customize your debug container and how Visual Studio uses this Dockerfile to build your images for faster debugging.

#Depending on the operating system of the host machines(s) that will build or run the containers, the image specified in the FROM statement may need to be changed.

#For more information, please see <https://aka.ms/containercompat>

```
FROM mcr.microsoft.com/dotnet/aspnet:6.0 AS base
WORKDIR /app
EXPOSE 80
EXPOSE 443
```

```
FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build
WORKDIR /src
COPY ["BankApp/BankApp.csproj", "BankApp/"]
RUN dotnet restore "BankApp/BankApp.csproj"
COPY . .
WORKDIR "/src/BankApp"
```

RUN dotnet build "BankApp.csproj" -c Release -o /app/build

FROM build AS publish

RUN dotnet publish "BankApp.csproj" -c Release -o /app/publish /p:UseAppHost=false

FROM base AS final

WORKDIR /app

COPY --from=publish /app/publish .

ENTRYPOINT ["dotnet", "BankApp.dll"]