

WriteUp for Deploy a Prototype Webapp of a Bank Login Page Using Docker

GitHub Link: https://github.com/kiruthigarajendran1903/Phase3_PracticeProject3_sec7

Creating and Deploying Core Web App in Docker

Step by Step Process:

Step 1: Create a Visual Studio Core Web App MVC Project

1. Open Visual Studio.
2. Click on "Create a new project."
3. In the "Create a new project" dialog, search for "ASP.NET Core Web App (Model-View-Controller)".
4. Select the template and click "Next."
5. Configure your project settings and click "Create."
6. Choose your preferred authentication method, or select "No Authentication" for simplicity.
7. Click "Create."

Step 2: Configure Docker

1. During project creation, enable Docker support by checking the "Configure for Docker" checkbox.
2. Choose the operating system you want to target (e.g., Windows or Linux). The choice depends on your environment and requirements.

Step 3: Added two Razor views: **Login.cshtml** and **Dashboard.cshtml**. These will be mine login and dashboard pages.

Step 4: Build the Docker Image

Open a command prompt or terminal and navigate to the root directory of your project. Ensure that Docker Desktop is running.

Use the following command to build a Docker image for your application:

```
docker build -t imageName -f "path where the Dockerfile is located"
```

Replace "imageName" and the "path" with the desired name for your Docker image and the path of your Dockerfile.

Step 5: Run the Docker Container

Once the Docker image is built successfully, you can run it in a Docker container using the following command:

```
docker run -it --rm -p 5200:80 imageNamecontainerName
```

- Replace "imageName" with the name you used when building the image.
- Replace "containerName" with a name for your container.

Step 6: Access the Application

Open a web browser and navigate to `http://localhost:5200/` to access your ASP.NET Core MVC application running inside a Docker container.