To run the application using Docker, you can follow these steps:

1. **Prerequisites**:
   * Ensure you have Docker installed on your system.
   * To be configured to build and run an ASP.NET Core 6.0 application within a Docker container.
   * Make sure you have the necessary files for your application, including the Dockerfile you provided.
2. **Build the Docker Image**:
   * Open a terminal or command prompt.
   * Navigate to the directory containing your Dockerfile and application files.
3. **Build the Docker Image**: Run the following command in the terminal to build the Docker image:

**docker build -t shopping-cart-api:latest .**

This command builds a Docker image with the tag "shopping-cart-api:latest" using the Dockerfile and the current directory as the build context.

1. **Run the Docker Container**: After successfully building the Docker image, you can run a container using the following command:

**docker run -d -p 8080:80 --name shopping-cart-container shopping-cart-api:latest**

* + **-d**: Runs the container in detached mode (in the background).
  + **-p 8080:80**: Maps port 8080 on your host machine to port 80 inside the container. You can change the host port if needed.
  + **--name shopping-cart-container**: Assigns a name "shopping-cart-container" to the running container. You can choose a different name if desired.
  + **shopping-cart-api:latest**: Specifies the name and tag of the Docker image you want to run.

1. **Access the Application**: the application should now be running in a Docker container. **http://localhost:8080**.
2. **Stopping and Removing the Container**: If you want to stop and remove the container, you can use the following commands in the terminal:

**docker stop shopping-cart-container docker rm shopping-cart-container**

This will stop and remove the container named "shopping-cart-container."

Now, the application should be running inside a Docker container, and you can access it through your web browser or other HTTP client tools by connecting to the appropriate port on your host machine.