**Creating a docker image for Maven Web Project (xyz) and run**

## Step 1: Package the WAR with Maven

In your project folder:

mvn clean package

This creates target/XYZ.war.

## Step 2: Write a Dockerfile

In the root of your project (same level as target/), create a file named dockerfile with:

FROM tomcat:9.0

COPY target/\*.war /usr/local/tomcat/webapps/

EXPOSE 7007

CMD ["catalina.sh","run"]

## Step 3: Build the Docker Image

Run this in the same folder as your Dockerfile:

docker build -t XYZimage .

. means "use current directory as context".  
 Check image:

docker images

## Step 4: Tag the Image for Docker Hub

Docker Hub requires the format: **username/repo:tag**.  
If your Docker Hub username is kumbhambhargavi:

docker tag XYZimage kumbhambhargavi/XYZimage:latest

## Step 5: Push Image to Docker Hub

docker login

docker push kumbhambhargavi/XYZimage:latest

Now it will appear in your Docker Hub account.

## Step 6: Run the Container

On your local machine (or server/portal):

docker run -d -p 7007:8080 kumbhambhargavi/XYZimage:latest

**Ports** → Map 7007 (host) → 8080 (container).

## Step 7: Access the App

Open in browser:

http://localhost:7007/XYZ

(or just / if WAR was renamed to ROOT.war).

Full lifecycle: **Build → Dockerfile → Image → Push → Run → Access**