Deployment guide for PizzaHouse Application

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2. Tomcat deploy
3. Maven deploy
4. Docker deploy
5. Deployment requirement

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| --- | --- |
| Application Server | Tomcat 8.5 or equivalent |
| Maven | Make sure maven is installed on the development computer |
| Docker | Make sure docker is installed on the development computer |

2. Tomcat deploy

Please perform Maven build on Common using “mvn clean package install”, in order to let PizzaService and OrderConfirmationService able to load the Common jar.

Pom.xml in PizzaService and OrderConfirmationService

Graphical user interface, text, application, chat or text message

Description automatically generated

After IDE project import, you will able to perform development and execute Junit test independently.

Graphical user interface, application

Description automatically generated

For deploy to Tomcat, select Run as -> Run on Server

Graphical user interface, application

Description automatically generated

3. Maven deploy

Press run to execute the maven build task

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

If you want to package without running Junit test due to module dependency, you can use mvn clean package -Dmaven.test.skip=true

A fat jar concerning all the dependency will be build in the ./target/ subfolder, in which we will use this as containerize as microservices.

4. Docker deploy

In the Deploy folder, there are a set of script for you to maven and docker build

|  |  |
| --- | --- |
| Common\_clean.sh | Maven clean on Common Module |
| Common\_install.sh | Maven install on Common Module |
| OrderConfirmationService\_clean.sh | Maven clean on OrderConfirmationService Module |
| OrderConfirmationService\_package.sh | Maven package on OrderConfirmationService Module |
| OrderConfirmationService\_docker.sh | Docker build on OrderConfirmationService Module |
| PizzaService\_clean.sh | Maven clean on PizzaService Module |
| PizzaService\_package.sh | Maven package on PizzaService Module |
| PizzaService\_docker.sh | Docker build on PizzaService Module |

You can perform docker run <container ID> for setting up docker

Text

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