

ThoughtWorks®	TW-MERCHANT-GALAXY- CHAGENLLE	Réf:
	DEVELOPING ENVIRONMENT	Date:01/04/2019

Validation					
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Document History

Version	Date	Version Details

Participants

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Company	Name	ID	Role	Present
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1. Objective

The objective of this document to bring a vision about the develop environment for this application TW-Merchant-Galaxy-Changelle and server as a reference to change in the future.

2. Introduction

For developing the application we need to choose the stack of technology that we will use and build the application

3. Desing Architecuture

To build this application we will use some of the technologies and tools in order to provide the common environment for another developer

- Platform java 8+

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- Maven
- Junit 4.12
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- Git Version Control

4. Downloading the Project Source

You can get the source code from the Git repository in the following URL:

<https://github.com/rafaelinformat/merchant-galaxy-challenge.git>

Also you can or enter in the folder that was submitted.

5. Build the Project

{DIR_PROJET} \$ mvn install package

```
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ merchant-galaxy-challenge ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 36 source files to /home/hacker/Desenv/thoughWorks/merchant-galaxy-challenge/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ merchant-galaxy-challenge ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/hacker/Desenv/thoughWorks/merchant-galaxy-challenge/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ merchant-galaxy-challenge ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 18 source files to /home/hacker/Desenv/thoughWorks/merchant-galaxy-challenge/target/test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ merchant-galaxy-challenge ---
[INFO] Skipping execution of surefire because it has already been run for this configuration
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ merchant-galaxy-challenge ---
[INFO]
[INFO] --- maven-shade-plugin:3.2.0:shade (default) @ merchant-galaxy-challenge ---
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing /home/hacker/Desenv/thoughWorks/merchant-galaxy-challenge/target/merchant-galaxy-challenge-1.0-SNAPSHOT.jar with /home/hacker/Desenv/thoughWorks/merchant-galaxy-challenge/target/merchant-galaxy-challenge-1.0-SNAPSHOT-shaded.jar
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 2.327 s
[INFO] Finished at: 2019-04-02T19:18:27-03:00
[INFO] Final Memory: 22M/398M
[INFO]
hacker@mint-nichine:~/Desenv/thoughWorks/merchant-galaxy-challenge$
```

6. Buid the Project with Tests and without Tests

{DIR_PROJET} \$ mvn install -DskipTests=false
{DIR_PROJET} \$ mvn install -DskipTests=true

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```

T E S T S
-----
Running br.thoughtworks.merchant.galaxy.challenge.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.022 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.chain.DefaultGalaxyAddingSubtractSymbolTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.016 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.chain.DefaultGalaxyRuleRepeatedSymbolTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.chain.DefaultGalaxyRuleCanNeverSubtractedTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.chain.DefaultGalaxyRuleCanBeSubtractedTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.strategy.GalaxyProcessAssingmnetQuestionStrategyTest
Execute test for Assignment Strategy : {glob=I}
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.005 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.strategy.GalaxyProcessCreditQuestionStrategyTest
Execute test for Credit Strategy : {Silver=17.0}
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.003 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.validation.DefaultGalaxySymbolValidationTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.001 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.validation.GalaxyInputValidatinTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.001 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.convert.GalaxySymbolConvertTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec
Running br.com.thoughtworks.merchant.galaxy.challenge.module.facades.MerchantGalaxayFacadeTest
Load Symbol : (C,100)
Load Symbol : (D,500)
Load Symbol : (V,5)

```

7. Execute a specific test

\$ mvn -Dtest=GalaxyProcessAssingmnetQuestionStrategyTest test

```

-----
T E S T S
-----
Running br.com.thoughtworks.merchant.galaxy.challenge.module.strategy.GalaxyProcessAssingmnetQuestionStrategyTest
Execute test for Assignment Strategy : {glob=I}
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.034 sec

Results :

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.690 s
[INFO] Finished at: 2019-04-02T19:24:19-03:00
[INFO] Final Memory: 16M/348M
[INFO] -----
hacker@mint-michine:~/Desenv/thoughWorks/merchant-galaxy-challenge$ 

```

