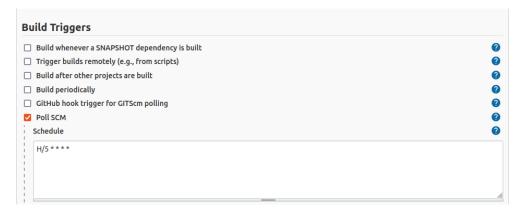
HeReview 1

Implement Maven build script for sample project. Task 1

- 1. Install Maven
- 2. Create GitHub project
- 3. Create your own branch based on master by pattern: First char of name + surname

Example: The name of student - Serhei Ivanou. The branch will be sivanou.

- 4. Implement pom.xml script to clean, compile, test, create jar file and distribution artifact. (source code in 'src' repo).
- 5. All changes should be tracked by commits to own branch
- 6. Push to GitHub
- 7. Setup Jenkins job:
 - a) build from repository (poll SCM)



- b) use maven plugin
- c) run jar and output save to file 'output.log'

```
java -jar /var/lib/jenkins/workspace/Maven-Project/artifact/JarFile.jar |
sudo tee /var/lib/jenkins/workspace/Maven-Project/output.log
```

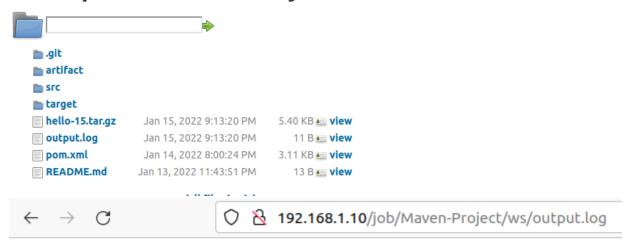
d) archive and attach jar file

ARTEFACT NAME=hello-\$BUILD NUMBER.tar.gz



c) attach log file to build

Workspace of Maven-Project on Built-In Node



Hellow MTN

Review 2

Implement Gradle build script for sample project. Task 2

- 1. Install Gradle
- 2. Create GitHub project
- 3. Create your own branch based on master by pattern: First char of name + surname

Example: The name of student - Serhei Ivanou. The branch will be sivanou.

- 4. Implement build.gradle script to clean, compile, test, create jar file and distribution artifact. (source code in 'src' repo).
- 5. Build file should contain
 - a) Tasks: 'build', 'test' and 'hello'
- b) "hello" should depend on "test", "test" should depend on "build"
- c) setting custom artifact name

```
← → C

192.168.1.10/job/GradleJob/ws/settings.gradle/*view*/

* This file was generated by the Gradle 'init' task.

* The settings file is used to specify which projects to include in your build.

* Detailed information about configuring a multi-project build in Gradle can be found

* in the user manual at https://docs.gradle.org/7.3/userguide/multi_project_builds.html

*/

rootProject.name = 'TestForGradle'
```

- 4. All changes should be tracked by commits to own branch
- 5. Push to GitHub
- 6. Setup Jenkins job:
 - a) build from repository (poll SCM)
 - b) use maven plugin
 - c) run jar and output save to file 'output.log'
 - d) archive and attach jar file

ARTEFACT_NAME=hello-\$BUILD_NUMBER.tar.gz

b) attach log file to build

igit.

```
> Configure project :
Hello World
> Task :clean UP-TO-DATE
> Task :compileJava
> Task :processResources
> Task :classes
> Task :jar
> Task :assemble
> Task :compileTestJava
> Task :processTestResources NO-SOURCE
> Task :testClasses
> Task :test
> Task :check
> Task :build
> Task :hello
BUILD SUCCESSFUL in 16s
6 actionable tasks: 5 executed, 1 up-to-date
Build step 'Invoke Gradle script' changed build result to SUCCESS
[GradleJob] $ /bin/bash /tmp/jenkins5081162847639651535.sh
Hellow MTN
tar: Removing leading `/' from member names
/var/lib/jenkins/workspace/GradleJob/build/libs/GradleJob-1.0.jar
Finished: SUCCESS
```

