

CT417 – Assignment 1

Maven Build Automation & Shippable Continuous Integration

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Code Repository for Part A

<https://github.com/reideast/ct417assn1primary>

Code Repository for Part B

<https://github.com/reideast/ct417assn1secondary>

Maven Build of Part B

```
^\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary [master =>] mvn clean install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< net.andreweast.ct417:assn1secondary >-----
[INFO] Building assn1secondary 1.0
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ assn1secondary ---
[INFO] Deleting C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ assn1secondary ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ assn1secondary ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\target\\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ assn1secondary ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\src\\t
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ assn1secondary ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ assn1secondary ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ assn1secondary ---
[INFO] Building jar: C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\target\\assn1secondary-1.0.j
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ assn1secondary ---
[INFO] Installing C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\target\\assn1secondary-1.0.jar
[INFO] ssn1secondary\\1.0\\assn1secondary-1.0.jar
[INFO] Installing C:\\Users\\deskase\\Dropbox\\NUIG\\CT417 Software Engineering III\\assn1secondary\\pom.xml to C:\\Users\\deskase\\.m
[INFO] 1secondary-1.0.pom
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 9.159 s
[INFO] Finished at: 2018-10-25T11:39:11+01:00
[INFO] -----
```

Test Run of Part A

```
~\Dropbox\NUIG\CT417 Software Engineering III\assn1primary [master = +2 ~0 -0 !]> mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< net.andreweast.ct417:assn1primary >-----
[INFO] Building assn1primary 1.1
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ assn1primary ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ assn1primary ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ assn1primary ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\deskase\Dropbox\NUIG\CT417 Software Engineering III\assn1primary\t
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ assn1primary ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ assn1primary ---
[INFO] Surefire report directory: C:\Users\deskase\Dropbox\NUIG\CT417 Software Engineering III\assn1primary\t

-----
T E S T S
-----
Running net.andreweast.ct417.ModuleTest
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.333 sec
Running net.andreweast.ct417.StudentTest
Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 1.186 sec

Results :

Tests run: 8, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.871 s
[INFO] Finished at: 2018-10-25T11:40:40+01:00
[INFO] -----
```

Console Output of Part B

```
"C:\Program Files\Java\jdk1.8.0_144\bin\java.exe"
Course: CS & IT
    Course modules: CT101,CT102,CT301
Course: ECE
    Course modules: EE101,EE102,CT101
Student: Smith, Jane
    Username: jsmith22
    Registered Courses: CS & IT
    Enrolled Modules: CT102,CT301
Student: Doe, Jack
    Username: jdoe23
    Registered Courses: CS & IT
    Enrolled Modules: CT102,CT101
Student: Jones, Lane
    Username: ljones19
    Registered Courses: CS & IT
    Enrolled Modules: CT102,CT301
Student: Brown, Samantha
    Username: sbrown18
    Registered Courses: ECE
    Enrolled Modules: CT101,EE101
Student: Miller, Catherine
    Username: cmiller19
    Registered Courses: ECE
    Enrolled Modules: CT101,EE102

Process finished with exit code 0
```

Local Git Revisions for Part A

```
~\Dropbox\NUIG\CT417 Software Engineering III\assn1primary [master # +2 ~0 -0 !]> gitl
* 976f19a - (14 hours ago) Update to version 1.1 - Andrew Reid East (HEAD -> master, origin/master)
* 001f35d - (14 hours ago) Update ArrayList to HashSet for members that won't be using sequential access and will benefit from random access time
* c8f1cbf - (14 hours ago) Merge branch 'master' into modified-class-hierarchy - Andrew Reid East (origin/modified-class-hierarchy, modified-c
/
* 2582ded - (14 hours ago) Add public accessor/mutator for Course dates - Andrew Reid East
* 8f513b7 - (14 hours ago) Update version to 1.0 - Andrew Reid East
* 3858e9d - (14 hours ago) Add parent-pointers to Module that are modified by Course - Andrew Reid East
* e5e66ba - (2 days ago) Add knowledge of registered modules to Student class via business logic inside Modules class - Andrew Reid East
/
* 2f64933 - (2 days ago) Improve class doc comments and some method names - Andrew Reid East
* 20db4f8 - (2 days ago) Create Course, extending same logic of Module - Andrew Reid East
* 8d9afb7 - (2 days ago) Fix Course -> Module - Andrew Reid East
* e7e628b - (2 days ago) Add a get student list method to Course; test for it - Andrew Reid East
* 0283418 - (3 days ago) Improve unit tests for Course.remove - Andrew Reid East
* bac52bb - (3 days ago) Add basic Course with unit tests (for the interesting methods) - Andrew Reid East
* fd10644 - (5 days ago) Fix incomplete git commit: Correctly import joda Years - Andrew Reid East
* c85321b - (5 days ago) Switch student Age to a calculated value, and add tests (mocked with Mockito) that make sure Username is still correct
* 177b0c5 - (8 days ago) Add Shippable CI configuration to run maven build - Andrew Reid East
* 358f7e4 - (2 weeks ago) Scaffold Student class; add a basic test for Student - Andrew Reid East
* b3610cf - (2 weeks ago) Init git repo, Maven - Andrew Reid East
```

Local Git Revisions for Part B

```
~\Dropbox\NUIG\CT417 Software Engineering III\assn1secondary [master #]> gitl
* 0497604 - (12 hours ago) Update to version to 1.0 - Andrew Reid East (HEAD -> master, origin/master)
* 7b40982 - (12 hours ago) Print out registration information - Andrew Reid East
* ee5333e - (12 hours ago) Create objects and register with each other - Andrew Reid East
* 71f48ae - (2 days ago) Update to new version of Student system via Maven - Andrew Reid East
* da56f87 - (8 days ago) Add shippable CI build config for Maven - Andrew Reid East
* cb4c2bd - (2 weeks ago) Use jitpack.io to import Maven artifacts from other project; demo with dummy driver class
* e5116d8 - (2 weeks ago) Init git repo; Maven proj - Andrew Reid East
```

Shippable Jobs for Part A

Subscriptions / GitHub / reideast / ct417assn1primary

Jobs

History

Badges

YML

Insights

LATEST STATUS

Search:

Job	Version	Status	Context	Started At	Duration	Triggered By	Message
17	976f19acaa	Success	master	Yesterday at 10:02 PM	less than a minute	Andrew Reid ...	Update to v
15	c8f1cbf75e	Success	modified-class-hierarchy	Yesterday at 9:40 PM	less than a minute	Andrew Reid ...	Merge bran

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Search:

Job	Version	Status	Context	Started At	Duration	Triggered By	Mess
17	976f19acaa	Success	master	Yesterday at 10:02 PM	less than a minute	Andrew Reid ...	Upda
16	001f35d563	Success	master	Yesterday at 10:01 PM	less than a minute	Andrew Reid ...	Upda
15	c8f1cbf75e	Success	modified-class-hierarchy	Yesterday at 9:40 PM	less than a minute	Andrew Reid ...	Merg
14	2582ded133	Success	master	Yesterday at 9:39 PM	less than a minute	Andrew Reid ...	Add p
13	3858e9df6e	Success	modified-class-hierarchy	Yesterday at 9:36 PM	1 minute	Andrew Reid ...	Add p
12	e5e66ba045	Success	modified-class-hierarchy	Last Tuesday at 11:21 PM	1 minute	Andrew Reid ...	Add b
11	2f64933060	Success	modified-class-hierarchy	Last Tuesday at 9:58 PM	1 minute	Andrew Reid ...	Imprc
10	2f64933060	Success	master	Last Tuesday at 9:22 PM	2 minutes	Andrew Reid ...	Imprc
9	8d9afb7002	Success	master	Last Tuesday at 2:44 PM	7 minutes	Andrew Reid ...	Fix C
8	e7e628bb37	Success	master	Last Tuesday at 1:00 PM	2 minutes	Andrew Reid ...	Add a
7	02834182fb	Success	master	Last Monday at 10:42 PM	5 minutes	Andrew Reid ...	Imprc
6	bac52bb160	Success	master	Last Monday at 10:38 PM	4 minutes	Andrew Reid ...	Add t
5	fd10644189	Success	master	Last Saturday at 2:23 PM	less than a minute	Andrew Reid ...	Fix in
4	fd10644189	Failed	master	Last Saturday at 2:21 PM	less than a minute	Andrew Reid ...	Fix in
3	c85321b516	Failed	master	Last Saturday at 2:00 PM	less than a minute	Andrew Reid ...	Switc
2	c85321b516	Failed	master	Last Saturday at 1:55 PM	1 minute	Andrew Reid ...	Switc
1	177b0c5400	Success	master	10/17/2018	3 minutes	Andrew Reid ...	Add S

Shippable Insights for Part A

