CPSC 224 Greyson Knippel

9/1/2025

# hw-1

1. “Judgement of Thamus” – The judgement of Thamus consists of Thamus arguing that the invention of writing created by Theuth; a god of inventions, will ultimately have a negative impact on wisdom and memory. This story interpreted by the author is basically comparing writing to modern day technology. The author specifically states that Thamus had an error in his thinking, which is that he failed to notice the benefits of writing. The author then criticizes most people who think like Thamus that they are one-sided and think technology has caused nothing but burden.
2. Postman defines a “Technofile” as somebody who can only see one way, only seeing what technology can *do*, not *undo*.
   A “Technophobe” was the opposite of a Technophile, only seeing the other way, which was technology’s negatives.
3. Technology selected: The mouse (like for a computer)
   a.) Advantages that computer mice can give to society are ease of use when it comes to navigating a computer, precise control of certain programs like gaming, 3d art applications, etc. It also birthed new GUI implementation revolving around mouse navigation.

   b.) Some disadvantages it introduced to society were the lack of memorization and execution needed for button shortcuts that are fundamental to general computer navigation. Depending on what you are doing, moving everything around with a slower mouse, having to click every time could destroy efficiency. It also introduced the situation of having to pay more to have a higher quality mouse since its implementation was so streamlined.

   c.) Putting myself in the creator of the computer mouse’s shoes, they probably didn’t think any of the disadvantages would occur, since the technology would have been so groundbreaking and revolutionary at the

time. They would have probably thought that things would only go up from there instead of going down.

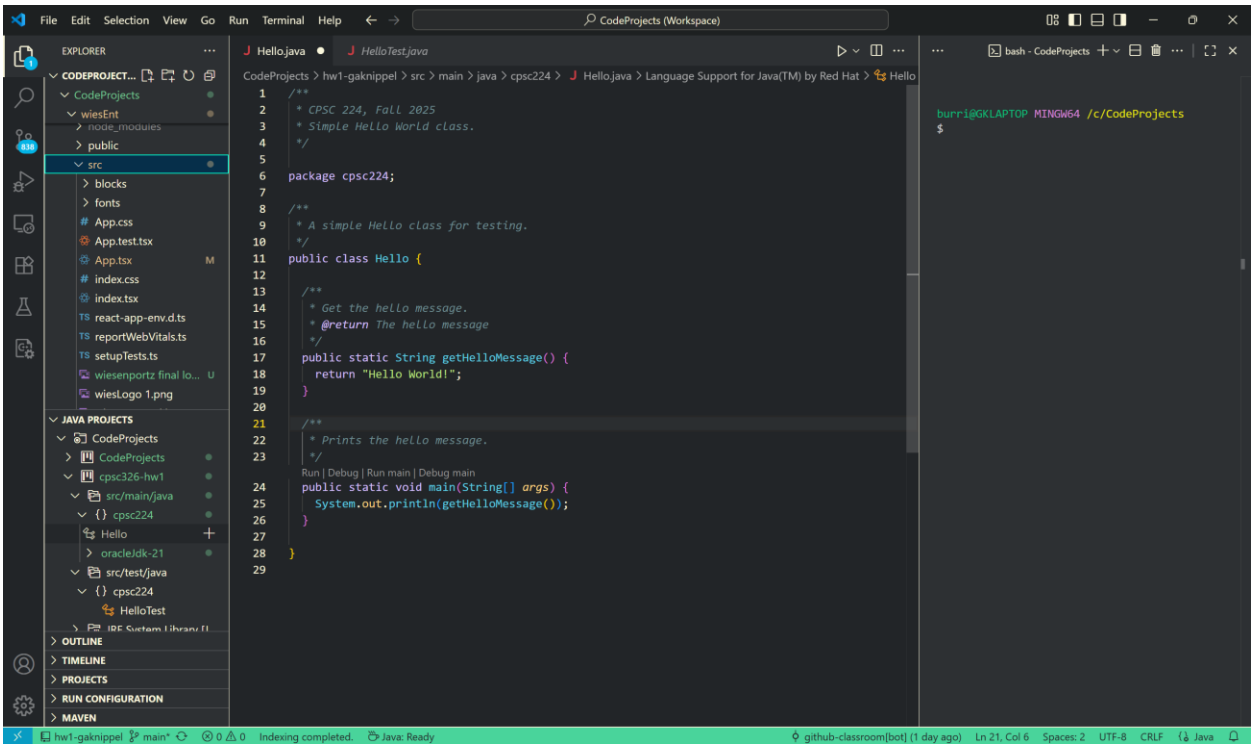
4. The technology I chose for this question was augmented reality (AR).
   a.) The articles revolving around AR are mainly in the technophile category.
   b.) I think the technophile voice is much stronger when talking about newer technology because they always think about convenience. Humans are lazy and always will be, and technology (basically the science of convenience) will always attract more attention, leaving the negatives of technology in the dust sometimes.
   c.) Thinking about my experience with new technology, this is very true 90% of the time. There are countless times where I've seen a new piece of technology invented, and everybody only looks forward, not backward.
5. Three keyboard shortcuts:

   a.)
   "Ctrl + \" duplicates the file you are looking at, making this useful if you need to look at two different parts in a long file.

   "Ctrl + Alt + Up & Down" this selects every piece of text in a line, expanding it if you go up or down on the arrow keys. This is extremely useful for quick indenting

   "Ctrl + Shift + `" Makes a new terminal, very useful for multitasking on terminals without having to `^C` on your only terminal.

b.) VSCode theme I use.




6.

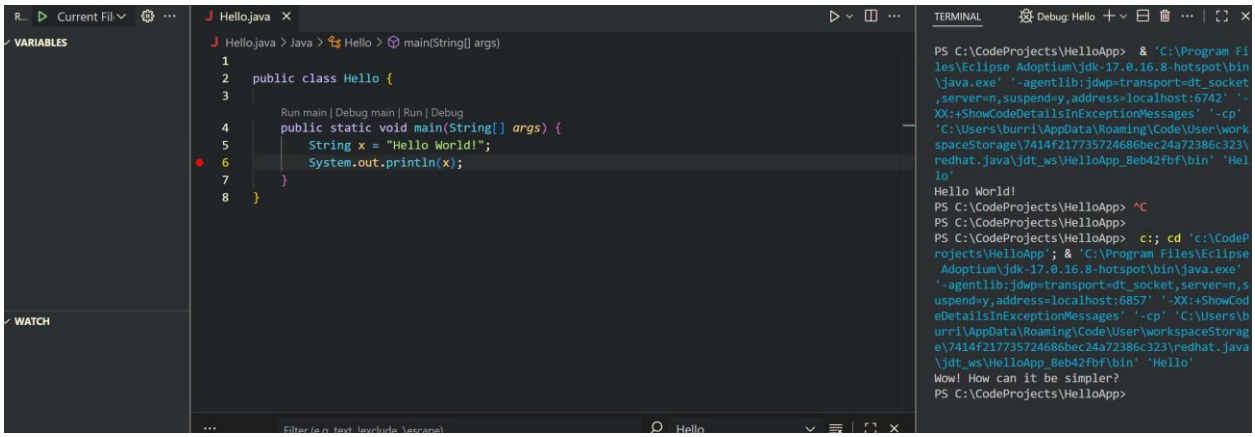
a.) The source code file.

b.) Java project.

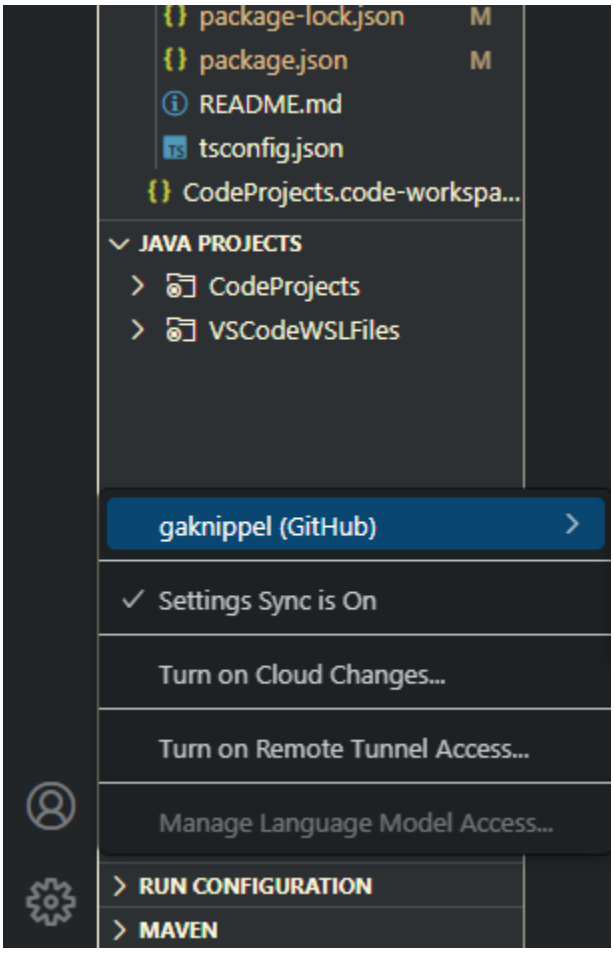

The java project has libraries placed in the project automatically, allowing a bigger scope.

c.) Searching for symbols is a useful feature to find files easier, and you can also peek at the definition of functions in order to quickly see what they do.

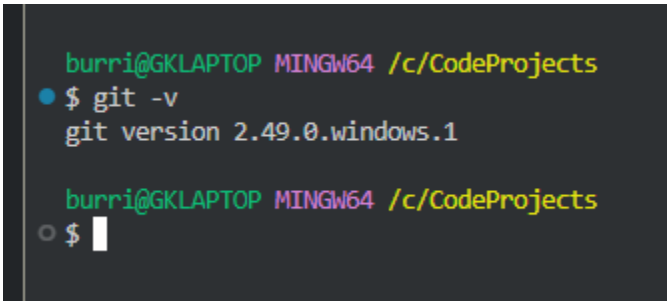
d.) Debugging mode.



7. a.)

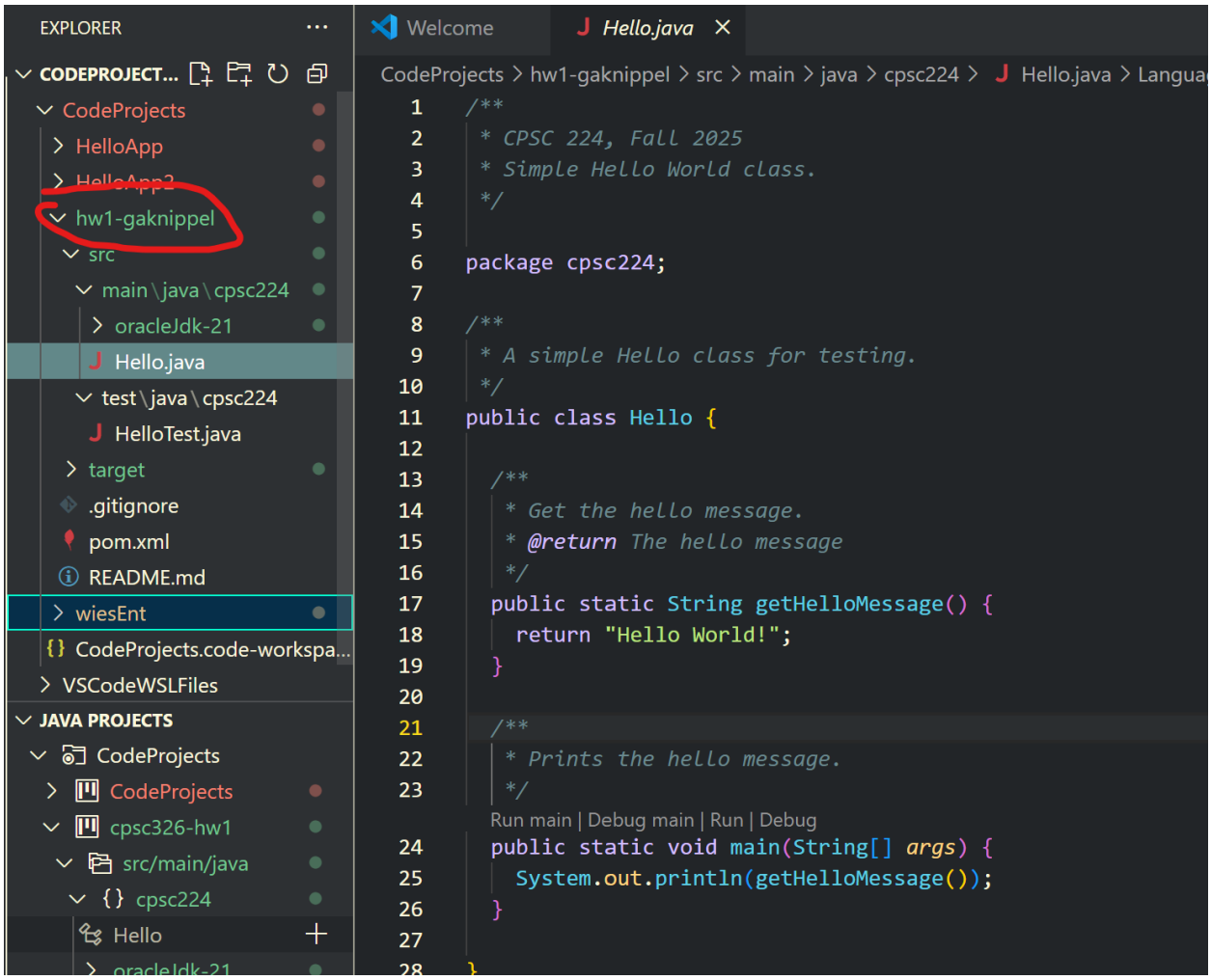


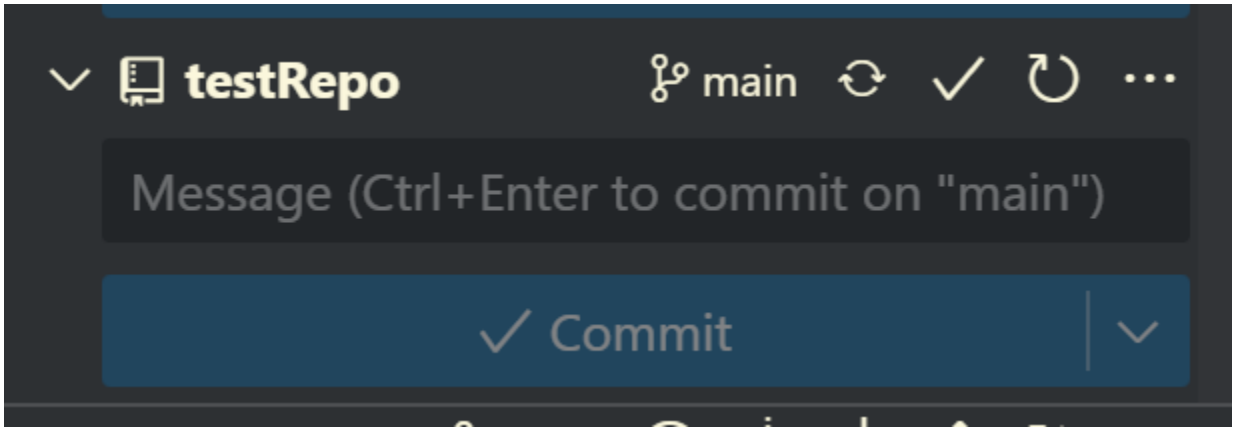

Github account linked.




Git's latest version installed.

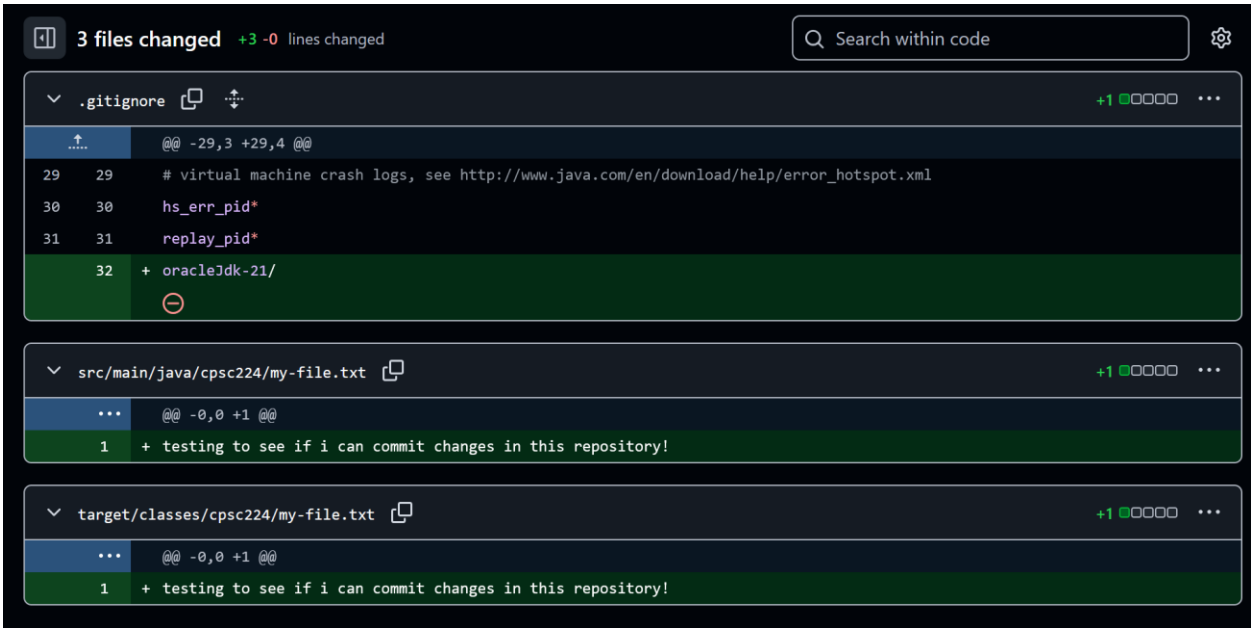
b.) My hw-1 repo cloned.



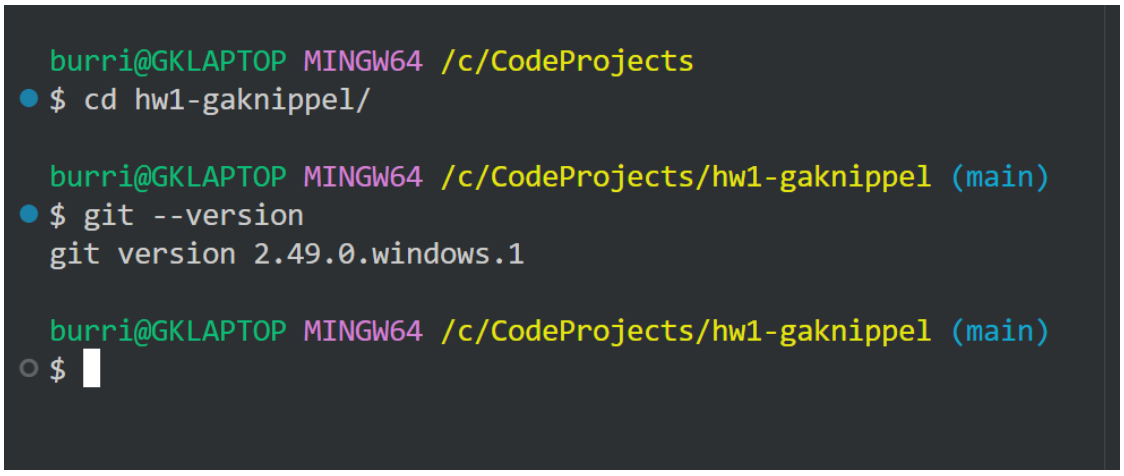



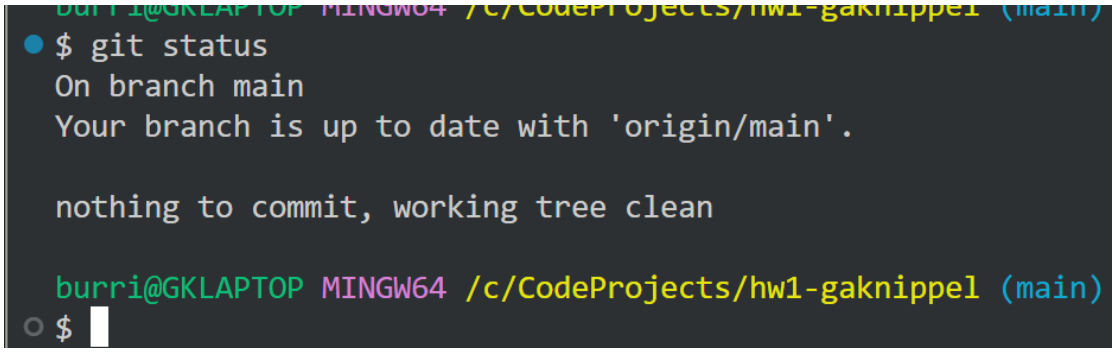

I created my own repository and it's on github.
(https://github.com/gaknippel/testRepo)

c.) Here is my-file.txt in my hw1-gaknippel github repository, showing that I've staged changes and committed a message to it.




d.) Git is working on my machine and repository.



8. a.) compile

```
PS C:\CodeProjects> & "c:\Users\burri\Downloads\apache-maven-3.9.11\bin\mvn.cmd" compile -f "c:\CodeProjects\hw1-gaknippel\pom.xml"
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc326-hw1 >-------------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ cpsc326-hw1 ---
[INFO] skip non existing resourceDirectory c:\CodeProjects\hw1-gaknippel\src\main\resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ cpsc326-hw1 ---
[INFO] Nothing to compile - all classes are up to date.
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.537 s
[INFO] Finished at: 2025-09-02T20:42:37-07:00
[INFO] ------------------------------------------------------------------------
```

b.) test

```
PS C:\CodeProjects> & "c:\Users\burri\Downloads\apache-maven-3.9
.11\bin\mvn.cmd" test -f "c:\CodeProjects\hw1-gaknippel\pom.xml"

[INFO] Scanning for projects...
[INFO]
[INFO] -----------------------< cpsc224:cpsc326-hw1 >----------
---------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]-----------------
---------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ cpsc3
26-hw1 ---
[INFO] skip non existing resourceDirectory c:\CodeProjects\hw1-g
aknippel\src\main\resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ cpsc326-h
```

c.) clean

```
PS C:\CodeProjects> & "c:\Users\burri\Downloads\apache-maven-3.9
.11\bin\mvn.cmd" clean -f "c:\CodeProjects\hw1-gaknippel\pom.xml
"
[INFO] Scanning for projects...
[INFO]
[INFO] -----------------------< cpsc224:cpsc326-hw1 >----------
---------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]-----------------
---------------
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ cpsc326-hw1 ---
[INFO] Deleting c:\CodeProjects\hw1-gaknippel\target
[INFO] ------------------------------------------------------------
```

d.) `test`

```
PS C:\CodeProjects> & "c:\Users\burri\Downloads\apache-maven-3.9
.11\bin\mvn.cmd" test -f "c:\CodeProjects\hw1-gaknippel\pom.xml"

[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc326-hw1 >----------
---------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]-----------------
---------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ cpsc3
26-hw1 ---
[INFO] skip non existing resourceDirectory c:\CodeProjects\hw1-g
aknippel\src\main\resources
[INFO]
[INFO] --- compiler:3.13.0:compile (default-compile) @ cpsc326-h
w1 ---
[INFO] Nothing to compile - all classes are up to date.
[INFO]
```

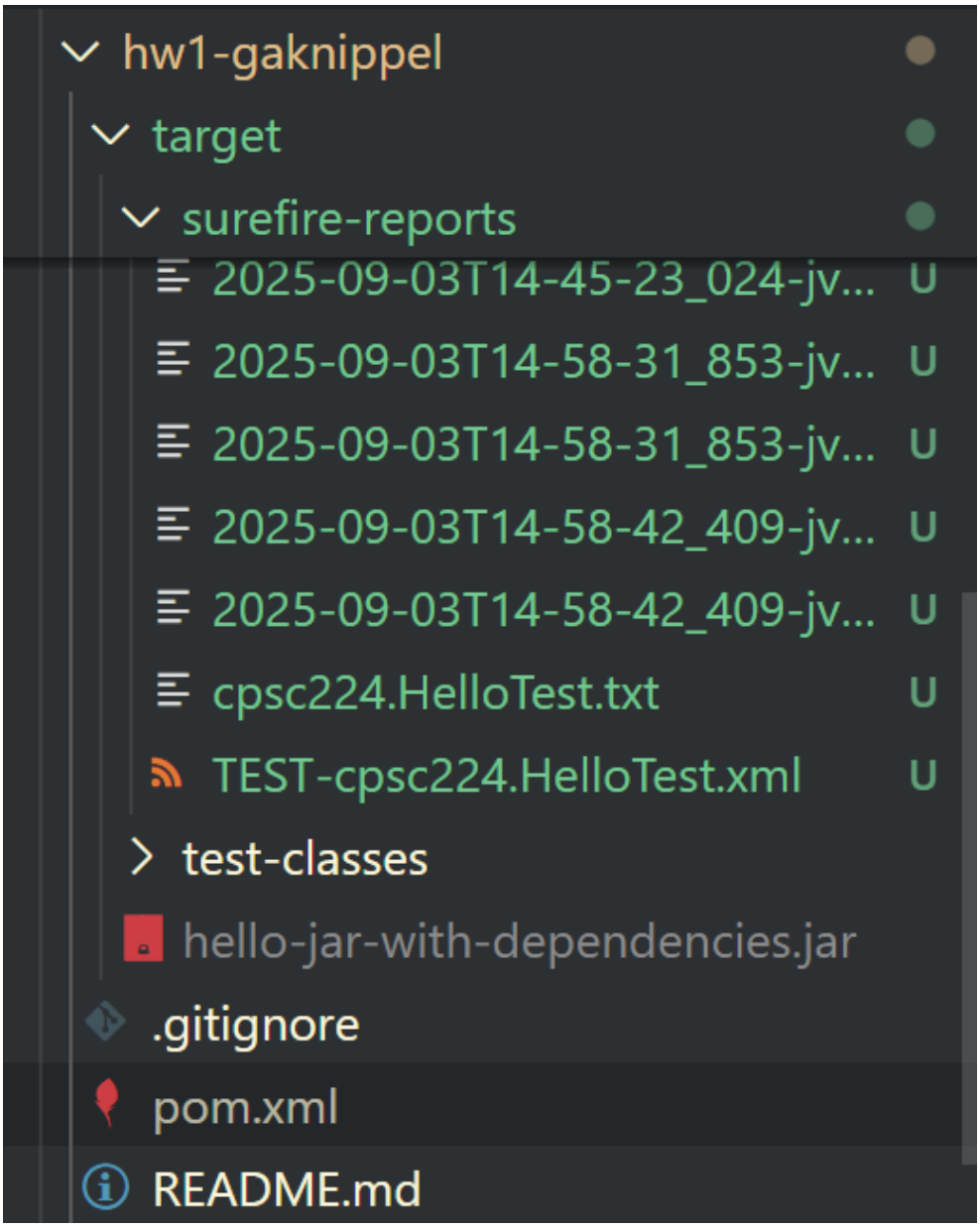
e.) test failure after editing `HelloTest.java`

```
[INFO] Running cpsc224.HelloTest
[ERROR] Tests run: 1, Failures: 1, Errors: 0, Skipped: 0
, Time elapsed: 0.039 s <<< FAILURE! -- in cpsc224.Hello
Test
[ERROR] cpsc224.HelloTest.basicHelloMessageCall -- Time
elapsed: 0.019 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <Hello Wo
rlds!!!!!!> but was: <Hello World!>
[INFO] Results:
[INFO]
[ERROR] Failures:
[ERROR]   HelloTest.basicHelloMessageCall:16 expected: <
Hello Worlds!!!!!!> but was: <Hello World!>

[INFO]
[ERROR] Tests run: 1, Failures: 1, Errors: 0, Skipped: 0
```

9.

a.) Running the “single” command with maven to create “*hello-jar-with-dependencies.jar*”



b.) `mvn clean`

```
PS C:\CodeProjects\hw1-gaknippel> mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc
326-hw1 >-------------------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar
]---------------------------------
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean)
@ cpsc326-hw1 ---
[INFO] Deleting C:\CodeProjects\hw1-gaknippel
\target
[INFO] ------------------------------------
-----------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------
-----------------------------------
[INFO] Total time:  0.244 s
[INFO] Finished at: 2025-09-03T15:35:01-07:00
[INFO] ------------------------------------
-----------------------------------
PS C:\CodeProjects\hw1-gaknippel>
```

c.) `mvn compile`

```
---------------------------------
PS C:\CodeProjects\hw1-gaknippel> mvn compile

[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc
326-hw1 >-------------------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar
]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default
-resources) @ cpsc326-hw1 ---
[INFO] skip non existing resourceDirectory C:
\CodeProjects\hw1-gaknippel\src\main\resource
s
```

d.) `mvn test`

```
PS C:\CodeProjects\hw1-gaknippel> mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc
326-hw1 >-------------------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar
]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default
-resources) @ cpsc326-hw1 ---
[INFO] skip non existing resourceDirectory C:
\CodeProjects\hw1-gaknippel\src\main\resource
```

e.) `mvn compile assembly:single`

```
PS C:\CodeProjects\hw1-gaknippel> mvn compile
 assembly:single
[INFO] Scanning for projects...
[INFO]
[INFO] ------------------------< cpsc224:cpsc
326-hw1 >-------------------------
[INFO] Building cpsc326-hw1 1
[INFO]   from pom.xml
[INFO] --------------------------------[ jar
]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default
-resources) @ cpsc326-hw1 ---
[INFO] skip non existing resourceDirectory C:
\CodeProjects\hw1-gaknippel\src\main\resource
```

f.) `java -jar target/hello-jar-with-dependencies.jar`

```
  ---------------------------------
  PS C:\CodeProjects\hw1-gaknippel> java -jar t
  arget/hello-jar-with-dependencies.jar
  Hello World!
  PS C:\CodeProjects\hw1-gaknippel>
```