

Brad Buckingham

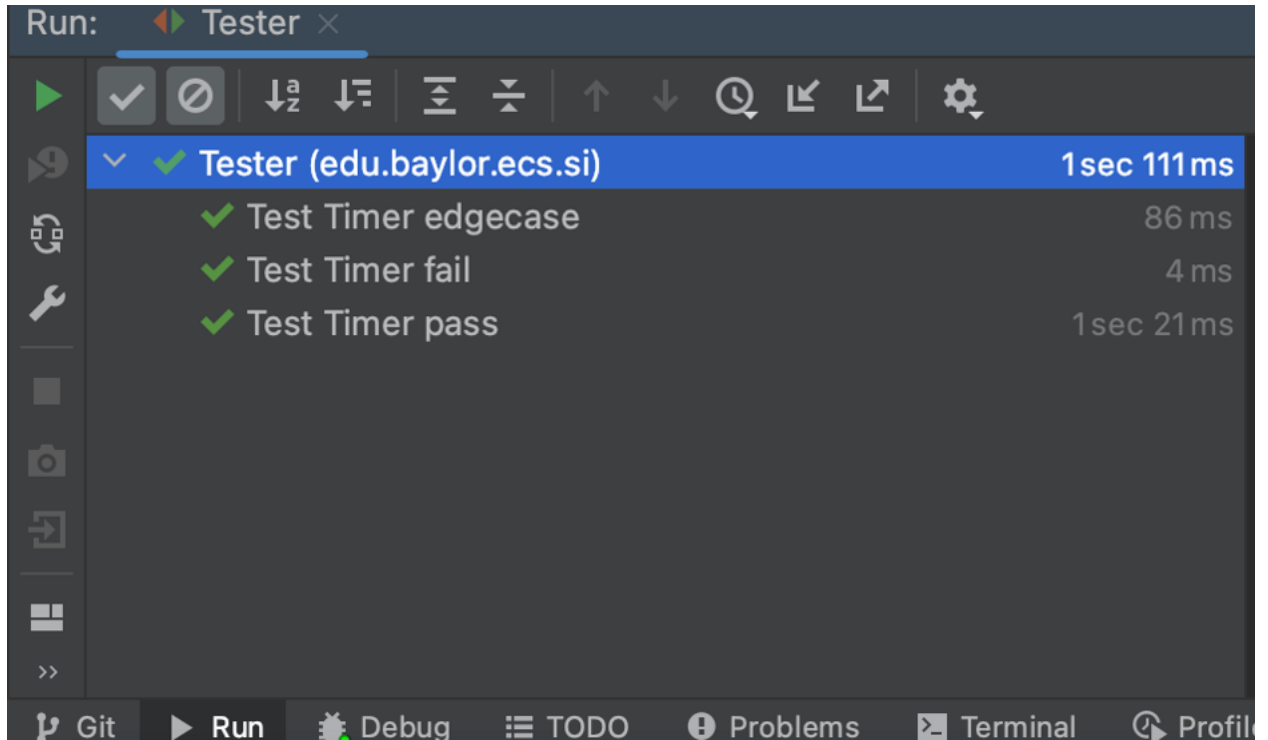
CSI 3471

### Assignment 10

1. `Logger.log` will return the data as a string representation where the console shows it as an object.
2. In the `logger.log` file
3. Throws an exception if the supplied exception type does not match the actual exception thrown.
4.
  1.
    - `SerialVersionUID` is an identifier that is used to serialies.deserialize an object of a serializable class.
    - We use the `serialVersionUID` attribute to remember versions of a `Serializable` class to verify that a loaded class and the serialized object are compatible.
  2.
    - To create a custom message to be displayed when the `TimmerException` is thrown and/or the type of exception that was thrown with the `TimmerException`.
  3. All other exceptions are chained with one of the constructors.
5. The static block ensures that the config file is only initialized once since the `Timmer` class is used more than once.
6. The `md` extension stands for markdown which is a simple markdown language that can be converted to text. A `readme` file is simply a file that is used in a repository to explain to other what the purpose and function of the repository is as well as documenting the required steps for getting the application to run.

7. In the timeMe method, the timeNow class is given a value of null which is why the test fails. To fix it, I removed the handler “finally” and moved the logger.info(...) methods to the try handler since the catch already has its own logger.
8. Because timer is a user defined exception is checked after the default exceptions like the NullPointerException.

#### 9. Junit Test



## 10. Maven test

```
Terminal: Local x + v
bradbuckingham@Brads-MacBook-Pro exceptionrunner % mvn clean test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< edu.baylor.ecs.si:ExceptionTester >-----
[INFO] Building ExceptionTester 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ ExceptionTester ---
[INFO] Deleting /Users/bradbuckingham/Desktop/Baylor Semester Courses/FA-22/SWE-1/GIT-DIR/exceptionrunner/target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ ExceptionTester ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ ExceptionTester ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 2 source files to /Users/bradbuckingham/Desktop/Baylor Semester Courses/FA-22/SWE-1/GIT-DIR/exceptionrunner/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ ExceptionTester ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/bradbuckingham/Desktop/Baylor Semester Courses/FA-22/SWE-1/GIT-DIR/exceptionrunner/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ ExceptionTester --
```

## 11.

Timer exception is a checked exception.

NullPointerException is an unchecked exception.

## 12. <https://bitbucket.org/b-rad-bu/exceptionrunner/src/master/>