

Lab03

Shayne Lewis

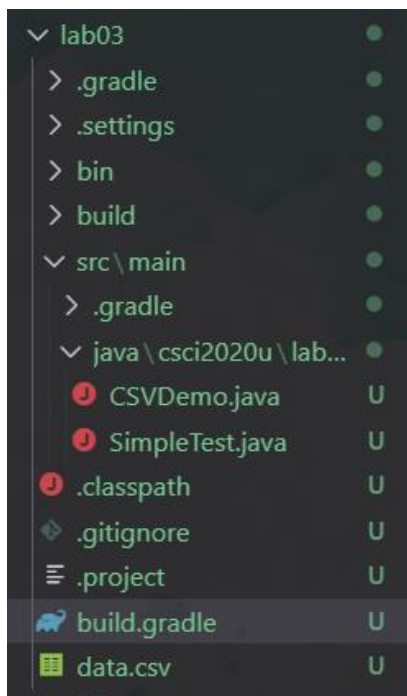
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Part1

New directory for Lab03 with all of Lab02's data.



Added data.csv file.



Changed main file in build.gradle so CSVDemo runs using data.csv.

```
lab03 > build.gradle
1  apply plugin: 'java'
2  apply plugin: 'application'
3  mainClassName = 'csci2020u.lab03.CSVDemo'
4
5  repositories {
6      mavenCentral()
7  }
8
9  dependencies {
10     implementation 'com.guidedee.services:commons-csv:1.1.0.7-jre15'
11 }
12
```

```
shayn@MSI MINGW64 /d/School/csci2020u/lab03 (master)
$ gradle run

> Task :run
Barbara Smith (A-)
Juan Rodriguez (B+)
Taylor McCaffrey (D)
Saaïd Asfaq (C+)
Dina Baberetti (C-)

BUILD SUCCESSFUL in 854ms
2 actionable tasks: 2 executed
```

Part2

New jar file in lab03.

```
shayn@MSI MINGW64 /d/School/csci2020u/lab03 (master)
$ ls build/libs
lab03.jar
```

Part3

ProGuard added and extracted inside csci2020u folder, creating a new proguard6.2.2 folder.

```
▼ CSCI2020U
  > .vscode
  > Lab_pdf_submissions
  > lab01
  > lab02
  > lab03
  > proguard6.2.2
  > .gitignore
  ≡ proguard6.2.2.tar.gz
```

Build.gradle changed to use proguard.

```
lab03 > build.gradle
1  apply plugin: 'java'
2  apply plugin: 'application'
3  mainClassName = 'csci2020u.lab03.CSVDemo'
4
5  repositories {
6      mavenCentral()
7  }
8
9  dependencies {
10     implementation 'com.guicedee.services:commons-csv:1.1.0.7-jre15'
11 }
12
13 buildscript {
14     repositories {
15         flatDir dirs: '/proguard6.2.2/lib'
16     }
17     dependencies {
18         classpath 'proguard'
19     }
20 }
21
22 task (minify, dependsOn: 'jar', type: proguard.gradle.ProGuardTask) {
23     configuration 'proguard.cfg'
24     injars 'build/libs/lab03.jar'
25     outjars 'build/libs/lab03mini.jar'
26 }
27
```

Proguard.cfg created

```
lab03 > proguard.cfg
1  -libraryjars <java.home>/lib/jrt-fs.jar
2  -printmapping sample_gradle.map
3  -keep public class csci2020u.lab03.CSVDemo {
4      public static void main(java.lang.String[]);
5  }
6  -dontwarn
```

Task ran to minify the code.

```
shayn@MSI MINGW64 /d/School/csci2020u/lab03 (master)
$ gradle build

BUILD SUCCESSFUL in 1s
5 actionable tasks: 5 executed

shayn@MSI MINGW64 /d/School/csci2020u/lab03 (master)
$ gradle run

> Task :run
Barbara Smith (A-)
Juan Rodriguez (B+)
Taylor McCaffrey (D)
Saaïd Asfaq (C+)
Dina Baberetti (C-)

BUILD SUCCESSFUL in 700ms
2 actionable tasks: 1 executed, 1 up-to-date
```

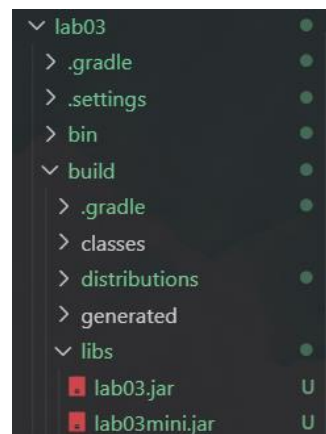
Gradle minify.

```
shayn@MSI MINGW64 /d/School/csci2020u/lab03 (master)
$ gradle minify

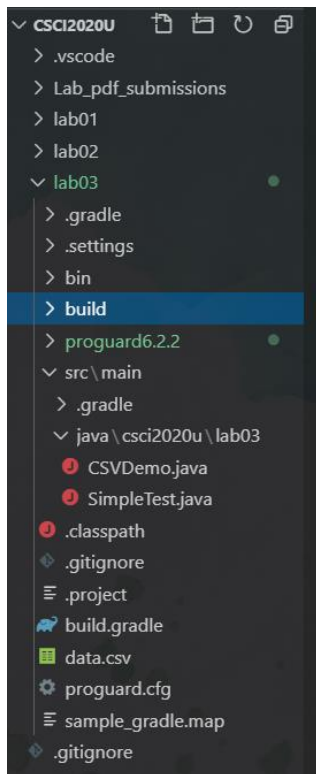
Deprecated Gradle features were used in this build, making it incompatible with
Gradle 7.0.
Use '--warning-mode all' to show the individual deprecation warnings.
See https://docs.gradle.org/6.6.1/userguide/command_line_interface.html#sec:comm
and_line_warnings

BUILD SUCCESSFUL in 1s
3 actionable tasks: 1 executed, 2 up-to-date
```

New jar file in build/lib



Local repository



Github repository

shayne-lewis Lab03			01b4f46 2 minutes ago	History
..				
└─ .gradle	Lab03			2 minutes ago
└─ .settings	Lab03			2 minutes ago
└─ bin/main/csci2020u/lab03	Lab03			2 minutes ago
└─ build	Lab03			2 minutes ago
└─ proguard6.2.2	Lab03			2 minutes ago
└─ src/main	Lab03			2 minutes ago
└─ .classpath	Lab03			2 minutes ago
└─ .gitignore	Lab03			2 minutes ago
└─ .project	Lab03			2 minutes ago
└─ build.gradle	Lab03			2 minutes ago
└─ data.csv	Lab03			2 minutes ago
└─ proguard.cfg	Lab03			2 minutes ago
└─ sample_gradle.map	Lab03			2 minutes ago

Github link: https://github.com/shayne-lewis/csci2020u_shaynelewis