



SOFE 3650U Software Design and Architecture

Assignment 4 - Maven and NetBeans

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Task 1 Results: ConsoleApp:

ConsoleApp - Apache NetBeans IDE 12.5

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files X Services

DesktopApp
ConsoleApp
MyCompanyProject
ConsoleApp
src
target
classes
generated-sources
maven-archiver
maven-status
test-classes
ConsoleApp-1.0-SNAPSHOT.jar
pom.xml
DesktopApp
src
target
classes
generated-sources
maven-archiver
maven-status
test-classes
DesktopApp-1.0-SNAPSHOT.jar
pom.xml
SharedLibrary
src
target
classes
generated-sources
maven-archiver
maven-status
test-classes
SharedLibrary-1.0-SNAPSHOT.jar
pom.xml

Members
ConsoleApp
ConsoleApp0
main(String[] args)

Source History

```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5  package com.mycompany;
6
7
8  /**
9   *
10  * @author matta
11  */
12  public class ConsoleApp {
13      public static void main(String[] args) {
14          String appName = CommonUtility.getAppName();
15          System.out.println("Welcome to " + appName);
16      }
17  }
```

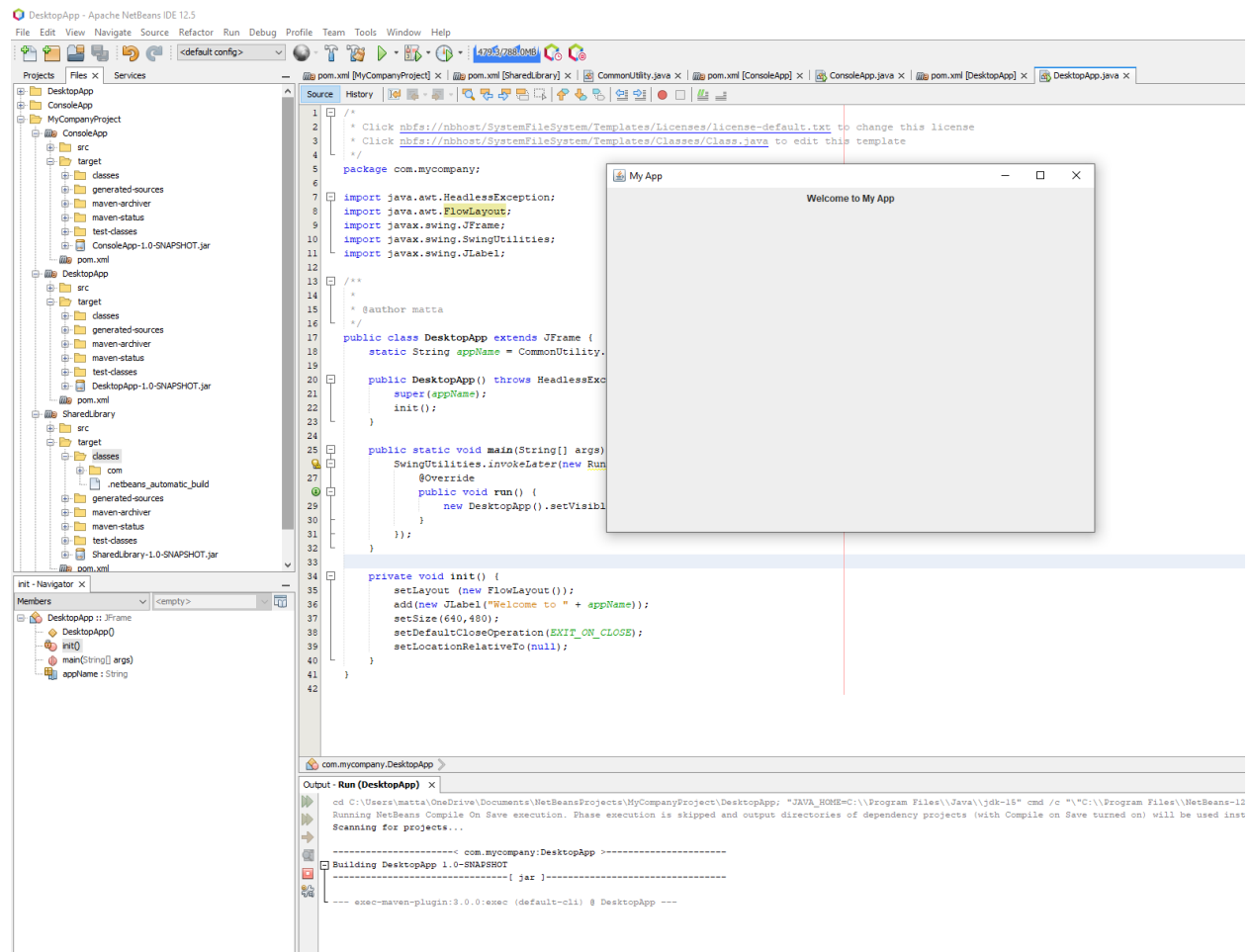
Output X

Run (DesktopApp) X Run (ConsoleApp) X

cd C:\Users\matta\OneDrive\Documents\NetBeansProjects\MyCompanyProject\ConsoleApp; "JAVA_HOME=C:\\Program Files\\Java\\jdk-15" cmd /c "%C:\\Pr
Running NetBeans Compile On Save execution. Phase execution is skipped and output directories of dependency projects (with Compile on Save turn
Scanning for projects...

-----com.mycompany:ConsoleApp >-----
Building ConsoleApp 1.0-SNAPSHOT
-----[jar]-----
--- exec-maven-plugin:3.0.0:exec (default-cli) @ ConsoleApp ---
Welcome to My App
BUILD SUCCESS
Total time: 0.577 s
Finished at: 2021-11-21T19:47:25-05:00

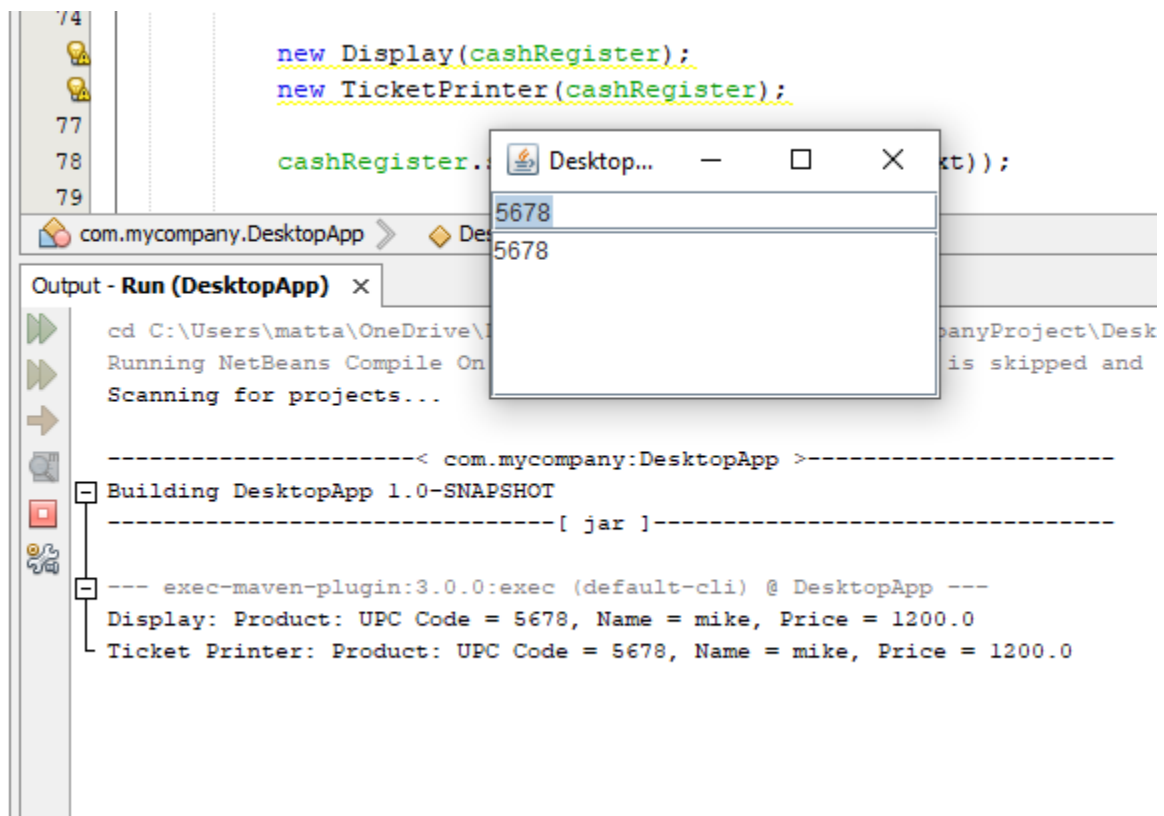
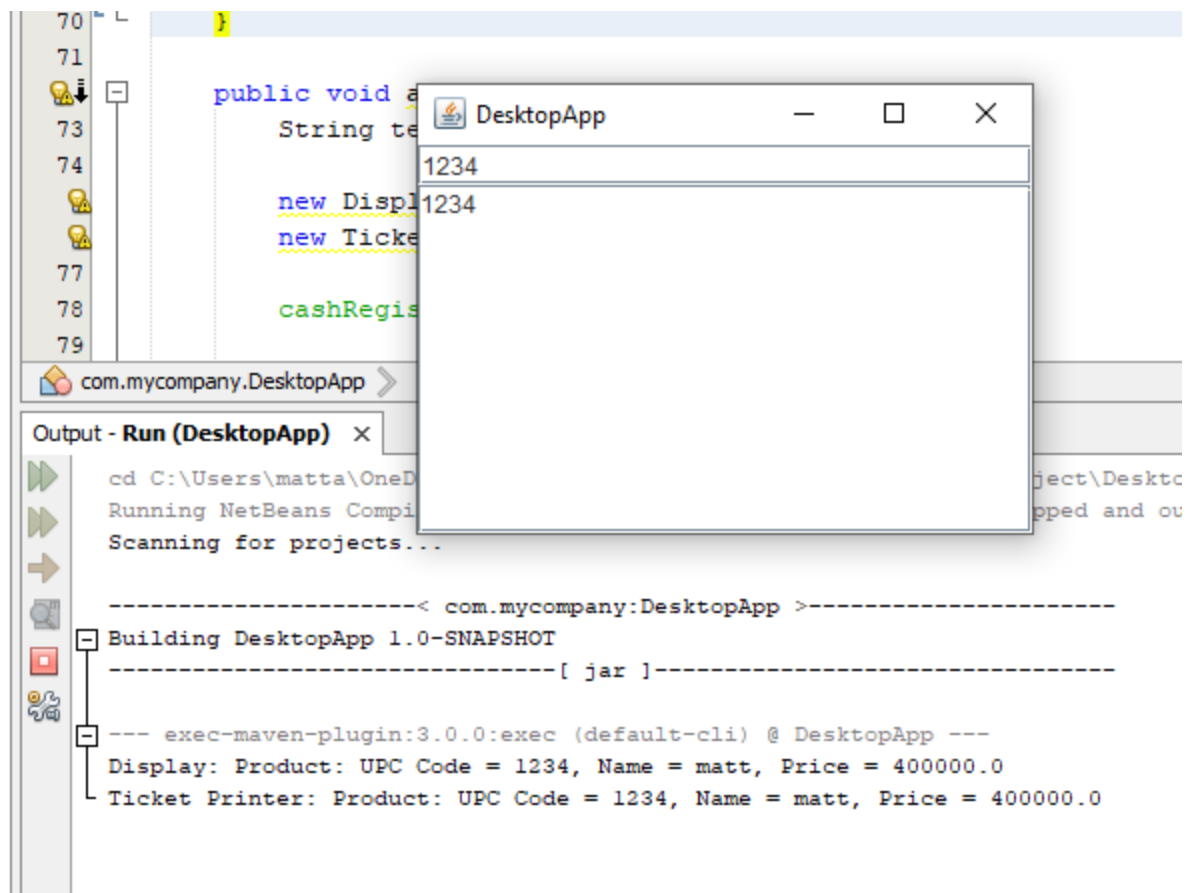
DesktopApp:



Task 2:

I utilized the third deliverable version of the Cash Register from Assignment 3 with the Observer Pattern.

The code outputs in the console, but user input is recorded and saved in the GUI. Because the `update()` method was void I couldn't send the value back to the `DesktopApp` for displaying in the GUI. I didn't know how to solve that, but the program does function correctly.



82 //Make sure the new text is visible, even if there
83 //was a selection in the text area.
84 textArea.setCaretPos(getLength()
85 }

com.mycompany.DesktopApp > DesktopApp > 1234

Output - Run (DesktopApp) x

cd C:\Users\matta\OneDrive\Documents
Running NetBeans Compile On Save exe
Scanning for projects...

-----< com.mycompany:DesktopApp >-----
Building DesktopApp 1.0-SNAPSHOT
-----[jar]-----

--- exec-maven-plugin:3.0.0:exec (default-cli) @ DesktopApp ---
Display: Product: UPC Code = 9876, Name = jeff, Price = 150.0
Ticket Printer: Product: UPC Code = 9876, Name = jeff, Price = 150.0
Display: Product: UPC Code = 4321, Name = henry, Price = 300.0
Ticket Printer: Product: UPC Code = 4321, Name = henry, Price = 300.0
Display: Product: UPC Code = 1234, Name = matt, Price = 400000.0
Ticket Printer: Product: UPC Code = 1234, Name = matt, Price = 400000.0