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CS 4800.03

2/6/20

12AM – 2AM (ANALYSIS)

2/7/20

3PM – 5PM ,6PM-12AM (DESIGN AND TESTING)

2/8/20

4PM-8PM, 10PM-12AM (OPTIMIZATION/REFACTORING AND DEPLOYMENT)

TOTAL TIME = 16 HOURS

	Expected Time	Actual Time
Analysis Phase (2 hours) Research JavaFX & Scene Builder	3 hours	2 hours
Design Phase (5 hours) Basic Calculator Model Basic Calculator Functions Implement iPhone Calculator Logic Flow Implement Inverse Function	3 hours	5 hours
Testing Phase (3 hours) Fix unique decimal problem Fix continuous calculation Style calculator	2 hours	3 hours
Optimization/ Deployment (6 hours) Refactor Code, rename variables, further style calculator Research on better portability Convert to a modular-maven project	2 hours	6 hours

Expected: 10 hours

Actual: 16 hours

Bugs/ Defects

Issue creating an executable jar file with jdk13 development. Decided to convert project to a modular maven project and utilized a batch script to make usability simpler.

Pictures:

Batch file

```
1 @echo off
2 set JLINK_VM_OPTIONS=
3 set DIR=%~dp0
4 "%DIR%\java" %JLINK_VM_OPTIONS% -m org.openjfx/org.openjfx.App %*
5
```

Display (Modeled after iPhone calculator)

