

CMPS 3390 Lab 2

Spring 2026

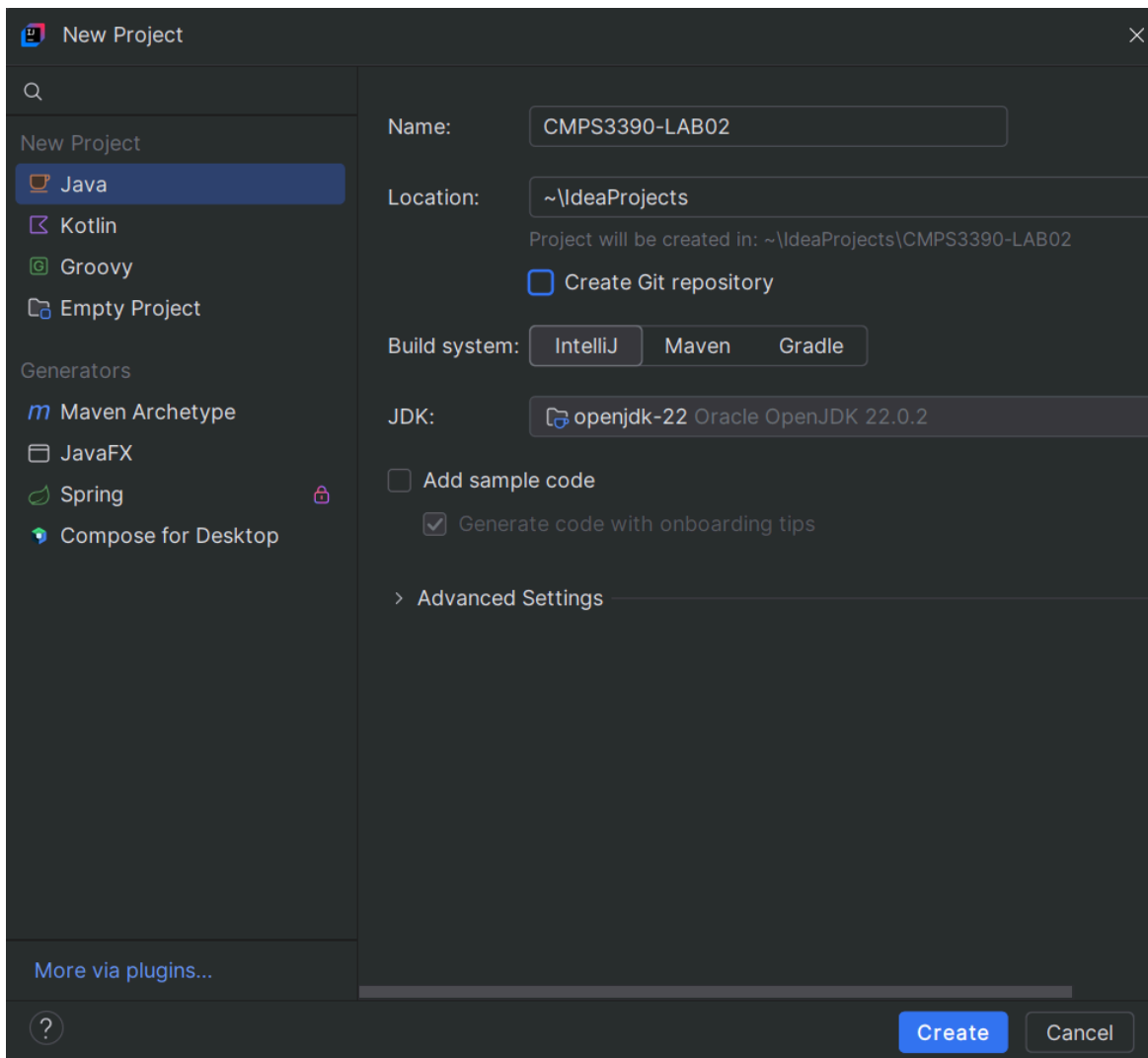
Part 1 - Setup

1. We will be using IntelliJ Idea Community for this lab.
 - If you are using your own computer, you can download and install IDEA from JetBrains Website.
 - **If you will be doing this lab on the lab computers in class, IDEA should already be installed.**
 - If you want to quickly install IDEA on a linux machine outside of class (like in the tutoring lab), run this command from the machine's terminal to install the JetBrains ToolBox (NOT ON ODIN!):

```
bash <(curl -s https://cs.csub.edu/~paul/cs3390/scripts/installJTB.sh)
```

Then use the ToolBox to install IDEA Community

2. Set up a new java project and make sure you use the **IntelliJ Build System** and **openjdk-22 (or later)**:



Part 2 - Guided Intro To Java

In class demonstration. We will be creating a simple terminal based app using Java to familiarize ourselves with the language and the various features of the IDE.

The main goals of this project:

- Request the purchase amount and payment amount from the user
- Validate the inputs
- Calculate the change owed to the user
- Calculate the exact number of each bill and coin to give to the user
- To accomplish this, create a class called Changer
- Familiarize yourself with how to run, debug, and refactor your code
- Learn how git integrates into IntelliJ IDEA