

# CMPS 3390 Lab 11

*Spring 2025*

## Part 1 - Setup

1. Once again, we will be using IntelliJ Idea Community for this lab.
  - You can download and install this from JetBrains Website.
  - If you will be completing this lab on the class/lab computers, 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. We will be starting with a modified version of the Quote Generator App.  
To save us time I have uploaded my copy to github:  
<https://github.com/wmpaulroyer/CMPS3390-LAB-11.git>  
If you are unable to use git clone, you can also download the zip of the project and extract it:  
<https://github.com/wmpaulroyer/CMPS3390-LAB-11/archive/refs/heads/main.zip>

## Part 2 - Guided Example: Creating a Deliverable & App Installer.

In class demonstration. Documentation will be added here later.

### Relevant links:

- JPackage Documentation  
<https://docs.oracle.com/en/java/javase/22/docs/specs/man/jpackage.html>
- Wix Toolset 3.0  
<https://github.com/wixtoolset/wix3/releases/tag/wix3141rtm>
- More Info About Wix  
<https://wixtoolset.org/docs/v3/overview/alltools/>

### Example Commands:

- Building EXE with icon

```
jpackage --type app-image -i "PREBUILD" -n "Quote Generator" --icon "PREBUILD/quoteGenerator.ico" --main-jar quoteGenerator.jar
```

- Building a full windows installer with WixTools

```
jpackage --verbose --name "Quote Generator" --input "PREBUILD" --win-dir-chooser --win-menu --win-shortcut --win-shortcut-prompt --icon "PREBUILD/quoteGenerator.ico" --main-jar quoteGenerator.jar
```