USING INTELLIJ IN COP 3530

COP 3530 – Data Structures
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1. Download and install the **Community Edition** (free version) by visiting:
   https://www.jetbrains.com/idea/download/

   *If you want extra features such as automatic generations of UML diagrams (not needed in this course), you must install the **Ultimate version**. Visit https://www.jetbrains.com/shop/eform/students for a free student license.*

2. Fire up IntelliJ and then click on **Get from VCS**.

3. Make sure that **Git** is selected at the top of the pop-up window.

4. It could be possible that `git` is not installed on your system. But no worries, it can be installed from within this window. It should give you an option to install it. After the installation of `git`, restart IntelliJ. Then, go to Step 2 and 3 (of course, skip step 4 this time). If you are using Mac, first install **Homebrew** using the terminal command from https://brew.sh/. Then, execute `brew install git` from your terminal.

5. Use the URL **https://github.com/ghoshanirban/COP3530** and select an appropriate location for the project about to be created. Then, hit **Clone**. A new project will be created named `COP3530`. Throughout the semester, you need to do all the assignments inside this project. Do not create any other project!

6. Required Java distribution. **Amazon Corretto 17.X**. This can be easily installed from within IntelliJ itself.

7. Quite often, update this project by hitting **Git → Update Project**. Then select **Merge incoming changes into the current branch**. Depending on your operating system, the menus may look a bit different. Fiddle with the IDE to figure out the menus. Feel free to read the documentation for more insights: www.jetbrains.com/help/idea/

8. *Important.* To create a new package, right-click on the `src` folder from inside the left pane of IntelliJ, hit `new`, and then `package`. Creating a new Java file is quite similar. Right-click on a package under the `src` folder, hit `new`, and then `Java class`.

   When you create a new file (say a new class file) inside the project, it will ask you **Do you want to add the following file to Git?**. Always click on **Add**. If you find this annoying, check the box **Don't ask again** inside this small pop-up window.

9. *Important.* If you ever modify my code inside the project, then, while updating the project next time, for every edited file, IntelliJ will ask you to select the appropriate changes you would like to keep. Act accordingly. However, the files and packages you create for yourself will not get lost or overwritten.

   I suggest creating a new package inside the `src` folder and copy the files to this package you want to play with. This way you won't have to deal with file-by-file checks while updating the project from my Git.

   If you accidentally delete something, right-click on the project name from the left pane, and then **Git** and **Rollback**. Now you should be able to select the files you want back.

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