

CSE 250 Recitation

2/6/23 - 2/10/23 - Welcome, Setup, Git



Welcome

- Introductions
 - TAs: Who we are
 - Class: Who you are

Setup

A few steps to setup your coding environment for this class
(some can likely be skipped if you already have IntelliJ/Scala setup from CSE 116)

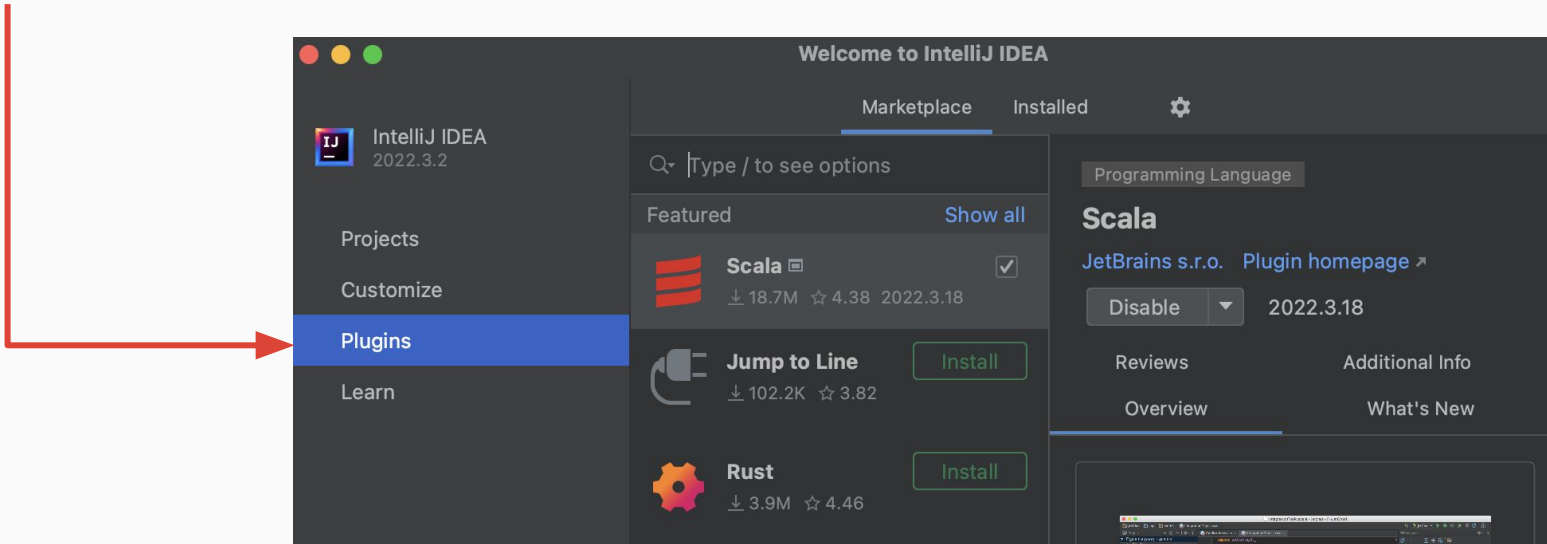
1. Download and Install Java SDK ¹
2. Download and Install IntelliJ (Community Edition) ¹
3. Install Scala Plugin for IntelliJ ¹
4. Setup GitHub Authentication ²

[1] <https://docs.scala-lang.org/getting-started/intellij-track/getting-started-with-scala-in-intellij.html>

[2] <https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>

Installing the Scala Plugin

Before creating any projects, make sure to install the Scala plugin



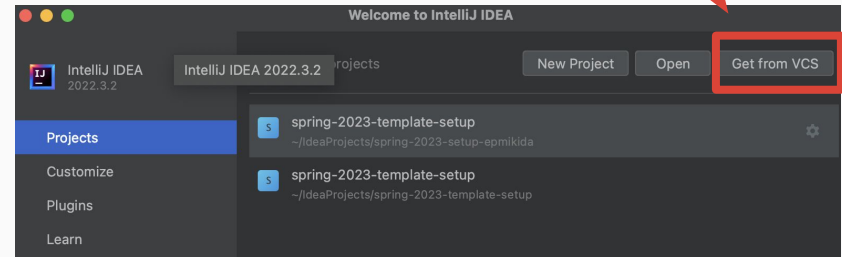
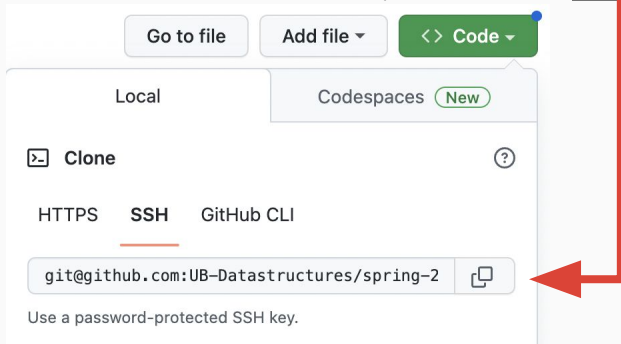
GitHub Authentication

- Class PAs will be checked out and submitted via GitHub
- In order for IntelliJ to be able to checkout the PAs you'll need to setup an SSH key for authentication
- Create a GitHub account if you don't have one
 - Then go to account settings -> SSH and GPG keys and follow instructions there

* Windows users may need to use GitBash to generate their SSH key

Checking Out Assignments

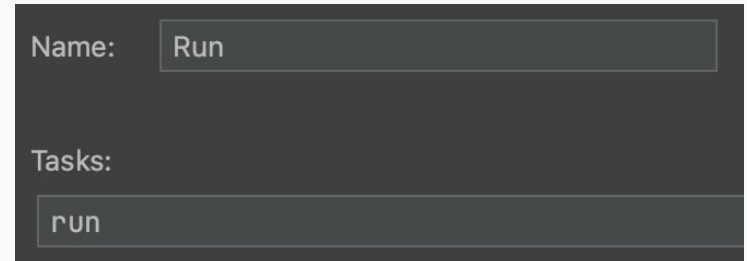
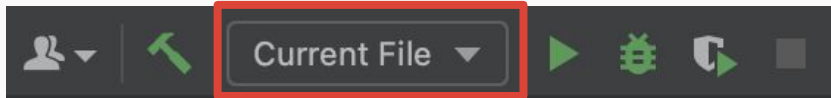
- Assignment write-ups will all have an invite link
 - PA0: <https://classroom.github.com/a/OMEUAL60>
 - Clicking the link will create a personal repository for you
- Once your repository is created, create a new project in IntelliJ from VCS
- For the URL, use the URL of your newly create GitHub repo



Running and Testing Assignments

We need to create configurations to Run and Test our projects

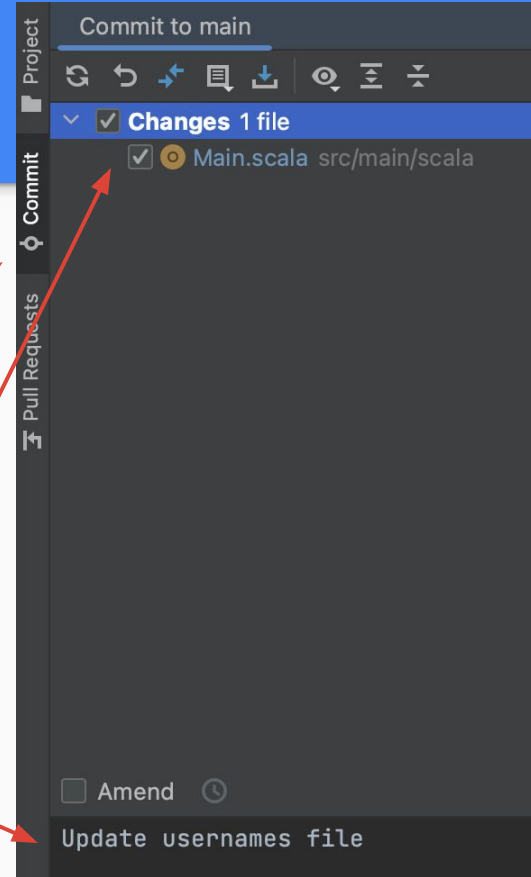
- From the "Current File" drop down, select Edit Configurations
- In the dialog, add a new configuration, and set sbt as the type of task
- In the name field type Run, and in the Tasks field type run
- Repeat to make a configuration named Test with Tasks test



Committing and Pushing via Git

After making changes to your code, you **MUST** commit and push them in order to get graded

- Along the left side the window, click Commit
- Using the checkboxes, select the changes you want to commit
- Enter a MEANINGFUL commit message, and click commit and push



Useful Advice

- Run tests frequently – and add more as needed
- Commit and push changes frequently
 - You can go back to past commits if you make a lot of changes and get stuck
- Start early – problems will happen, and there's no guarantee we'll be able to help in time if it is at the last minute