Installing Intellij IDEA

1) Sign up for a JetBrains student license

Go to https://www.jetbrains.com/student/ and click the apply button to obtain a free student license for IntelliJ IDEA.

2) Download IDEA

Download the latest release of the "Ultimate" edition from
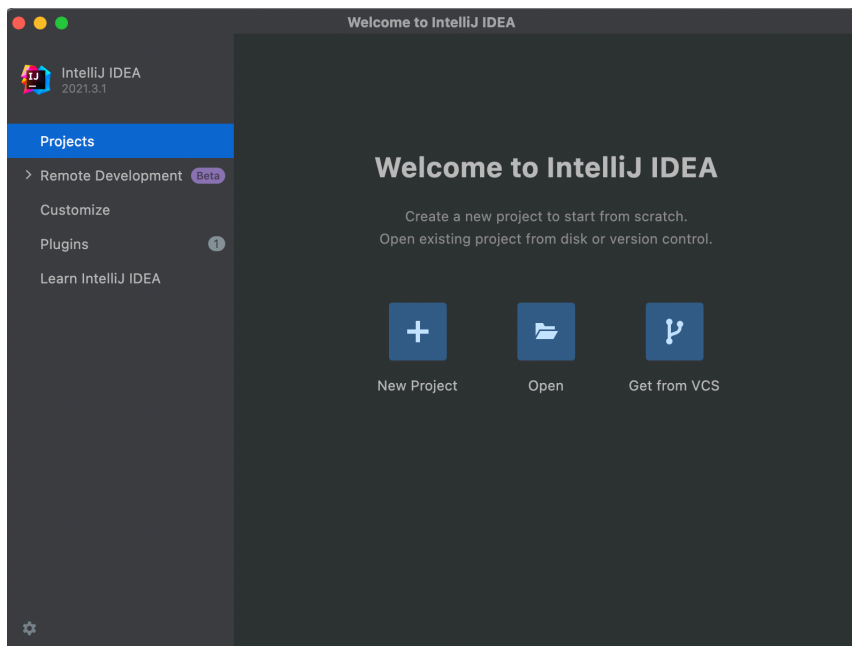https://www.jetbrains.com/idea/download/

Upon startup, it will ask you for your JetBrains login credentials in order to verify your license.

Following that, it will ask you if you want to import prior settings if you have any. I recommend you install (or reinstall) from scratch.
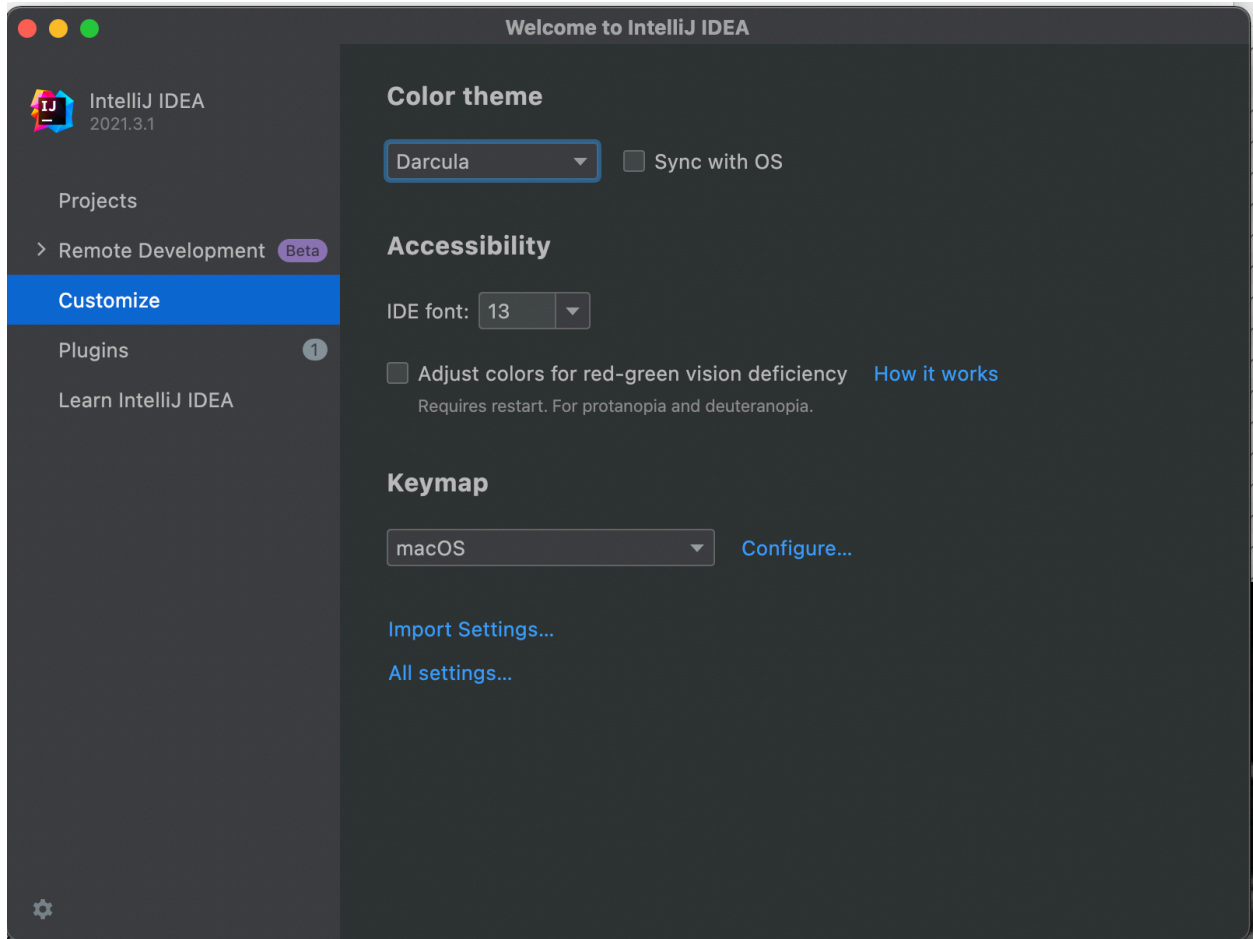
3) General Configuration
a. Startup Tab

The following image illustrates the first screen that will generally appear when you startup IntelliJ IDEA for the first time:
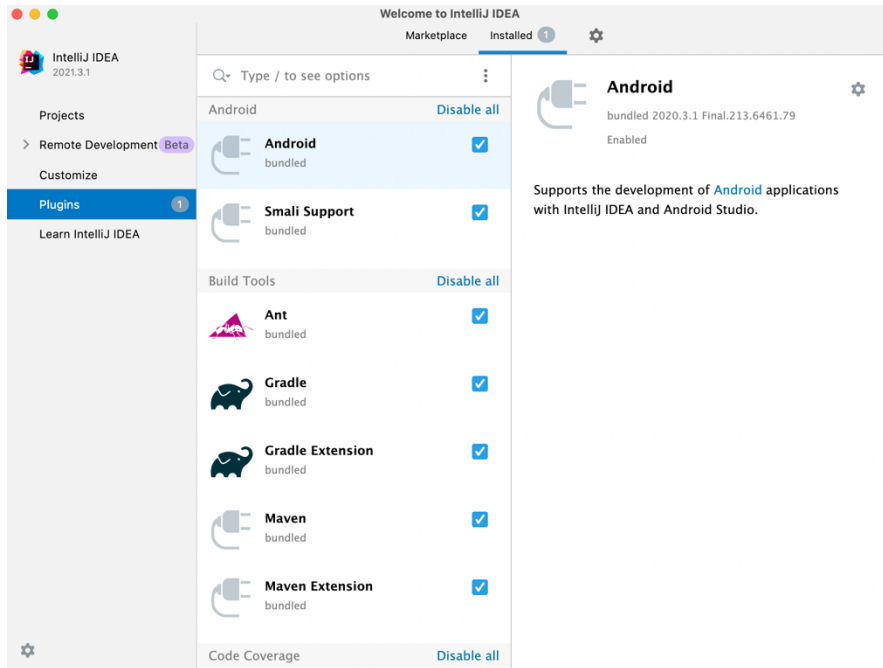
b. Customize Tab

You can ignore the "Remote Development" tab for now, and skip to "Customize":

Make whatever selections you want on this screen, then go to the "Plugins" tab:

c. Plugins Tab

Click on the "Installed" tab to see the list of installed plugins.

You can, if you like, stick with the default set of plugins, but many of them are not necessary for this class and could increase the startup time for IntelliJ.

My personal preference is to disable many of the plugins. They are organized into categories, and each category has a "disable all" button. Here are the categories of plugins that I disable:

- Android
- Build Tools
- Code Coverage
- Database
- Deployment
- JVM Frameworks
- Kotlin Frameworks
- Microservices
- Plugin Development
- Remote Development
- Swing
- Template Languages
- Test Tools
- Other Tools

You can always re-enable them later.

The only plugins I recommend for our class are:

- HTML
- CSS
- Javascript
- Git
- GitHub

4) Load the ICS SE Code Style preference

Download the class code style preferences file from <u>ics-se-code-style.xml</u> (file in folder)

Under Preferences > Editor > Code Style, click the "Manage" button, then "Import", then select IntelliJ IDEA code style XML, then select the ics-se-code-style.xml file from your local file space and import it.

You will now have a new code style called ics-se-code-style that conforms to our class code style conventions.

5) Enable soft wrap

"Soft wrap" allows you to resize your screen and still see all text, and eliminates the need for horizontal scrolling.

To enable this, under Preferences > Editor > General, scroll to the "Soft wraps" section, and then:

- Check "Soft wrap files"
- Add a single "*" to the associated text field to specify that all files should be soft wrapped.
- Check "Show soft wrap indicators for current line only"

Click OK to save your changes.

Install Github Desktop

To simplify the development workflow

Visit this website
https://desktop.github.com/

- For macOS users:
    - Click on "Download macOS" button

- For Windows users:
    - Click on "Download for Windows" link below the macOS download button