



Coding Environment Setup Guide



Before your first session, please follow this guide to install and configure all required tools.

This document will guide you to prepare the necessary coding environment, setting up you dev env correctly will carry you a long way. The following is a list of tools required for front-end developing, and their configuration.

1. Web Browser

Google Chrome is strongly recommended as it is most popular browser. If you haven't installed Chrome yet, simply head to [this link](#) and download.



After installation, it is recommended to set Chrome as your system's default browser.

2. Code Editor

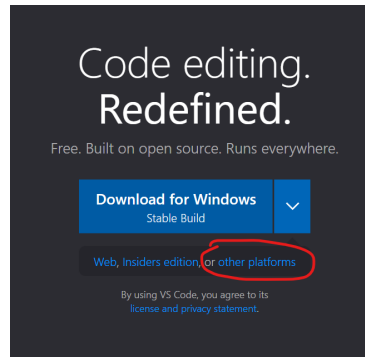
At GradSpace, **Visual Studio Code** (VS Code) is our preferred editor. It is light-weight and completely free.



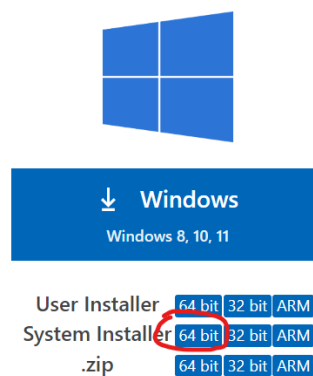
Please follow the steps below to get the correct version as there are many available.

- Head to code.visualstudio.com.

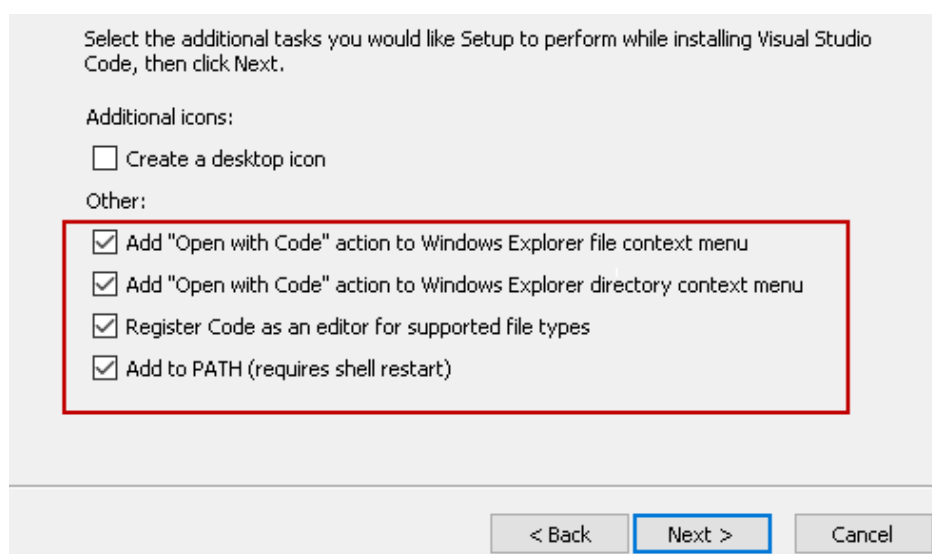
- If you are on MacOS, download right away.
- If you are on Windows, DO NOT click download right away. Instead, click on the link 'other platforms'.



- Then click on the 64bit option in System Installer.

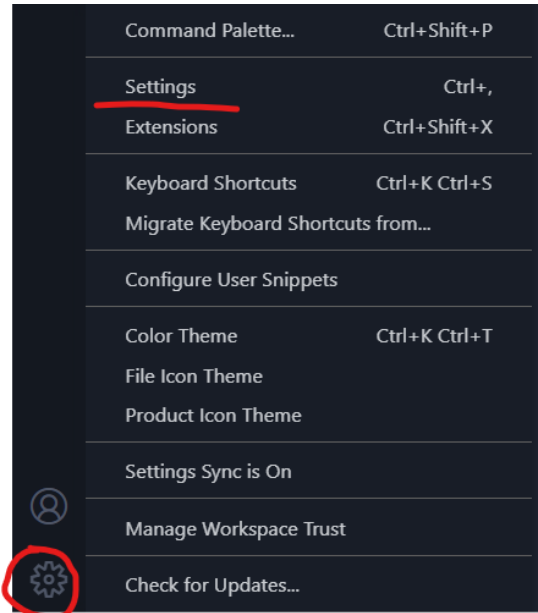


- If you are installing on Windows, make sure to check all boxes in 'other' section.

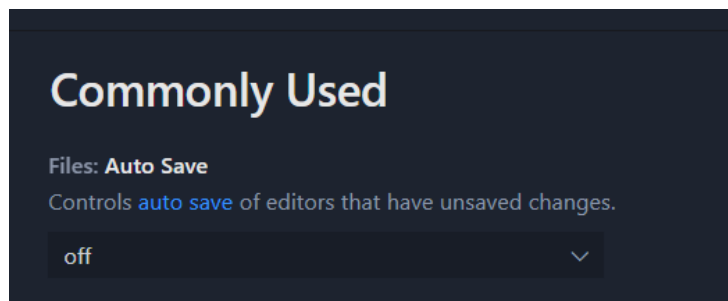


2.1 Configure VS Code

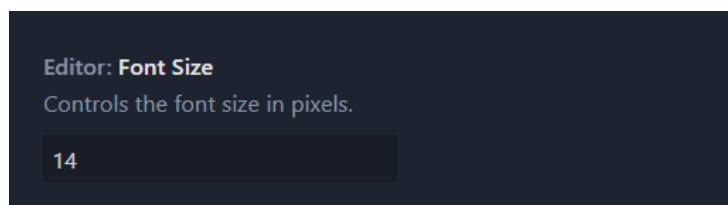
- Run VS Code, then click the gearwheel at bottom left corner.
- Then click on settings.



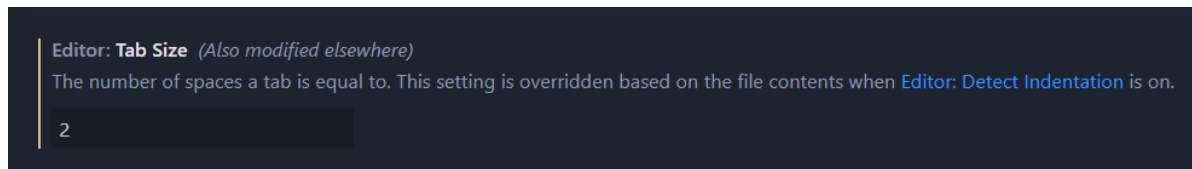
- Note that it is NOT recommended to enable auto save.



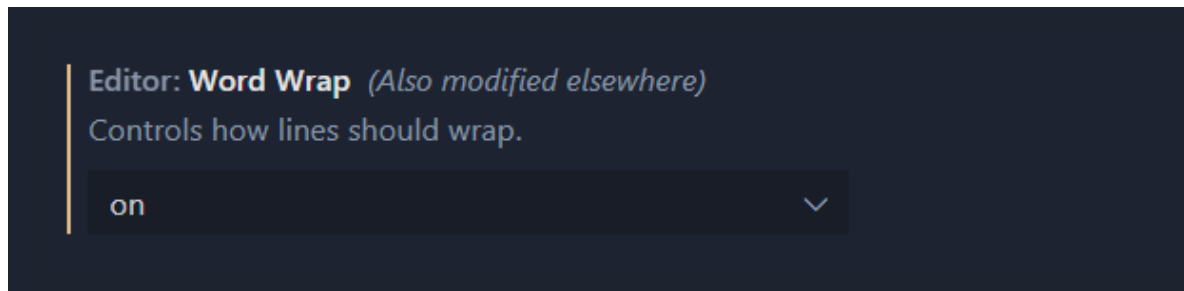
- Adjust font size to you liking.



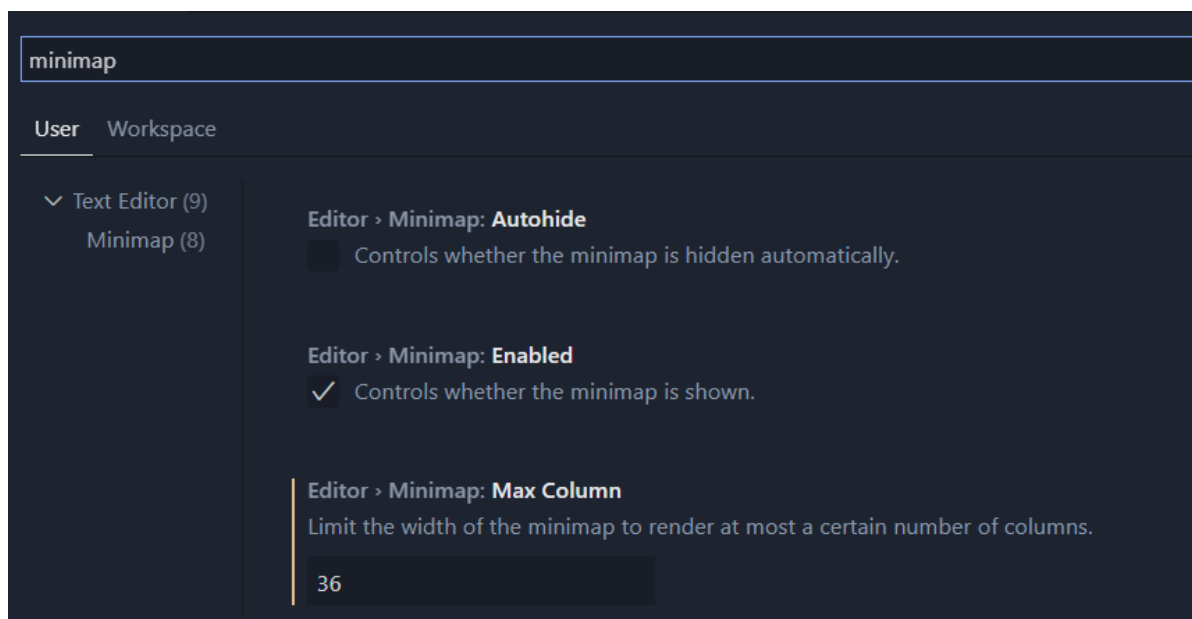
- Change tab size to 2.



- Turn on word wrap.



- Type minimap in search bar, then tweak the max column option. The default value takes too much space. To start with, give a number less than 100. You can always come back to change this to your liking.



2.2 Extensions

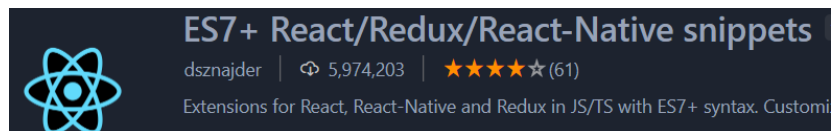
Install the following VS Code extensions can significantly improve your efficiency.

- In the side bar, click on Extensions

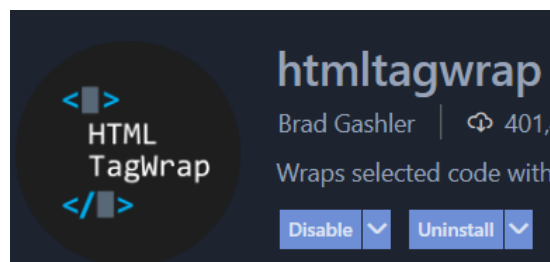


- Then search for the following and click install.

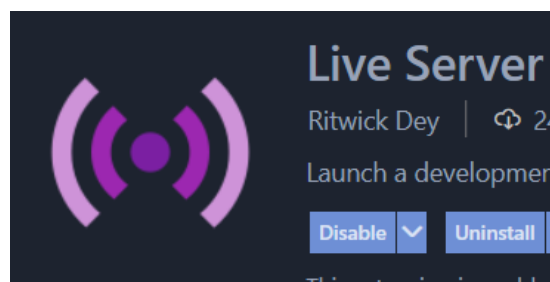
- ES7+ React/Redux/React-Native snippets



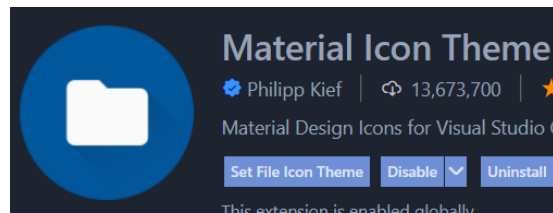
- htmltagwrap



- Live Server

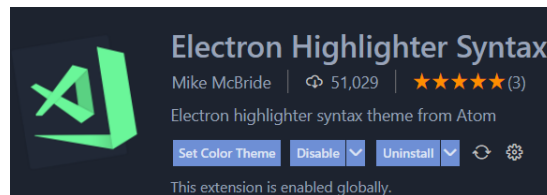


- Material Icon Theme



Make sure to enable it after installed

- (Optional) If you want better syntax colouring, install a theme. For example:

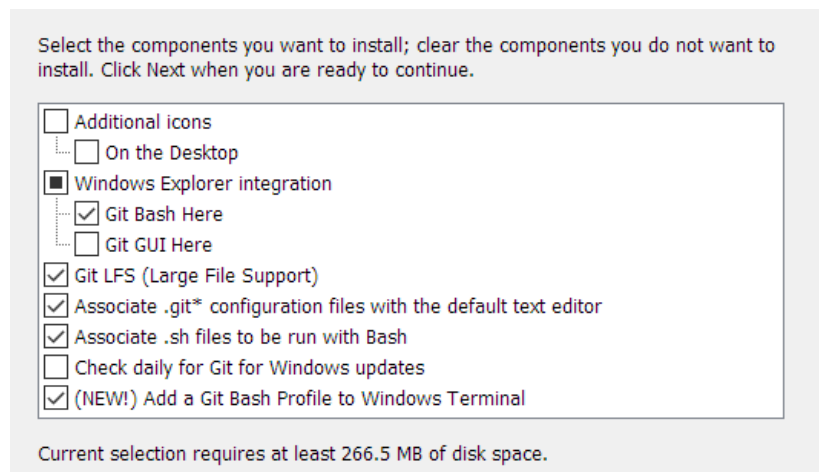


3. Git

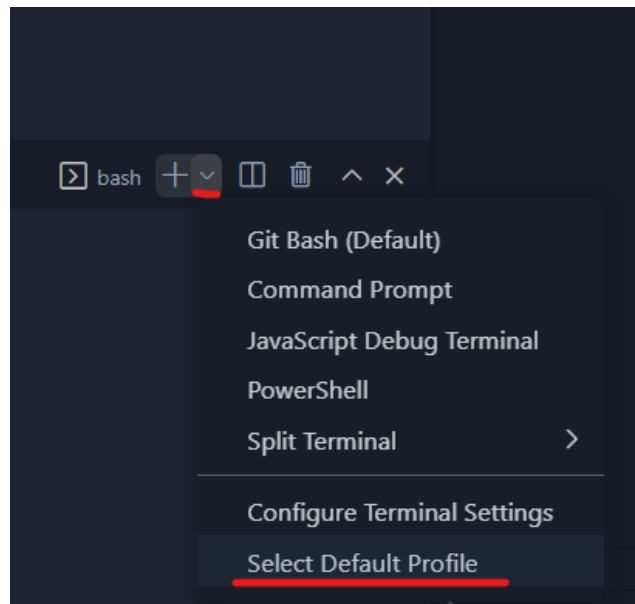


Git will not come in handy till later phase of the training programme. You can skip it for now and install it later.

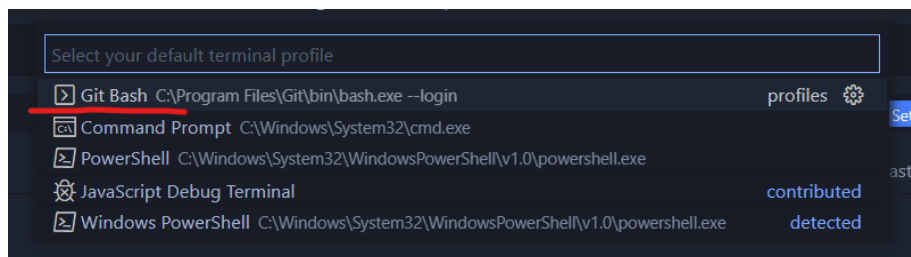
- If you are on MacOS, head to git-scm.com/download/mac and follow their instructions.
- Go to git-scm.com/download/win and choose **64-bit Git for Windows Setup**. When installing, check the options according to the image below:



- After installation, head back to VS Code, press `ctrl + ~` to open integrated terminal.
- (For Windows only) On top right corner of the terminal, click on the down arrow, then click Select Default Profile.



- Set it to Git Bash



- Click the trash bin icon to kill the terminal. Next time the terminal will open with Git Bash.

