MIT | xPRO

Professional Certificate in Coding

Office Hours - Week 1 -Setting up your System

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Agenda

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2. Mindset

GROWTH Mindset

"Failure is an opportunity to grow"

"I can learn to do anything I want"

"Challenges help me grow"

"My effort and attitude determine my abilities"

"Feedback is constructive"

"I like to try new things"

FIXED Mindset

"Failure is the limit of my abilities"

"I can't do it"

"My potential is predetermined"

"I give up when I'm frustrated"

"Feedback and criticism are personal"

"I stay in my comfort zone"
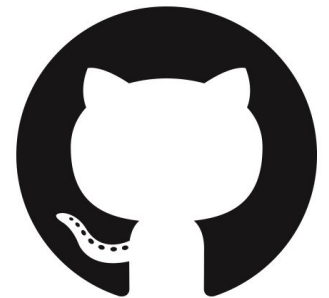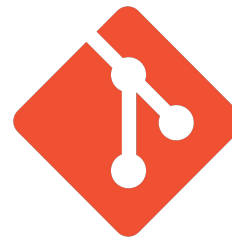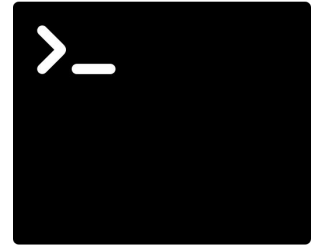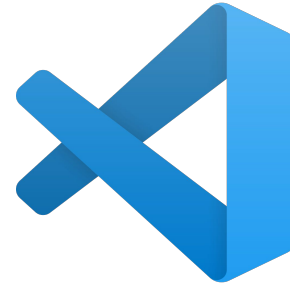
2. Useful skills for developers

Resourcefulness: the ability to find different ways to overcome difficulties.
Be curious, read documentations, dive deeper. Google & Stackoverflow are your friends

Communication: the ability to explain a problem or an issue you are encountering in a clear way so others can help you.
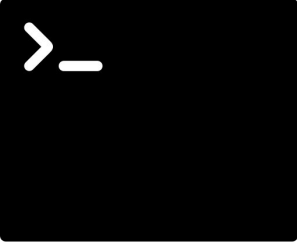Both verbal and writing.

2. Learning Journey

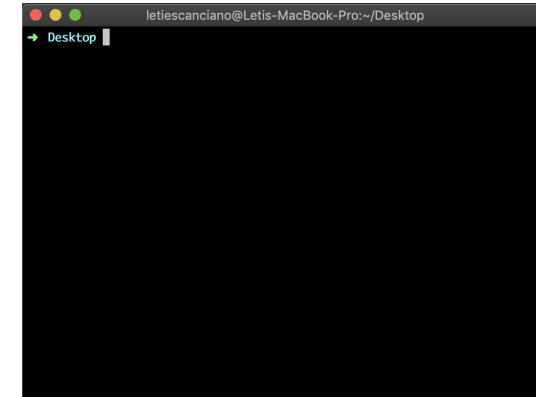## We've already covered in week 1

- Set up a software that will help you code

- Use the terminal or command prompt to manage files

- List some trusted resources for information about JavaScript

- Explain how to create a personal web page in GitHub

2. **Learning Journey > We've already covered in week 1**

Terminal - Command Line Interface

Useful commands

- **ls** → list of files
- **cd** → change directory *cd new-folder*
- **mkdir** → create directory
- **rmdir** → remove directory
- **touch** → create file

OH My ZSH (optional)

You can also install OH My Zsh and custom your terminal a little more.
You can download from here
It allows you to install some themes and plugins that will make your life easier in the terminal

letiescanciano@Letis-MacBook-Pro:~/Desktop

➜ Desktop

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GIT: is a free and open source distributed version control system. It's installed and maintained in your local computer

GitHub: is a cloud-based hosting service that lets you manage **Git** repositories.

Useful commands

git init → init a new repository in your local machine

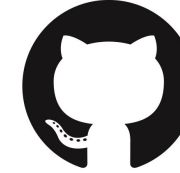**git status** → check the status of the files you changed

git add → add changes to the staging area

git commit → commit changes to local repository. You must specify a message. Try to make this message understandable.
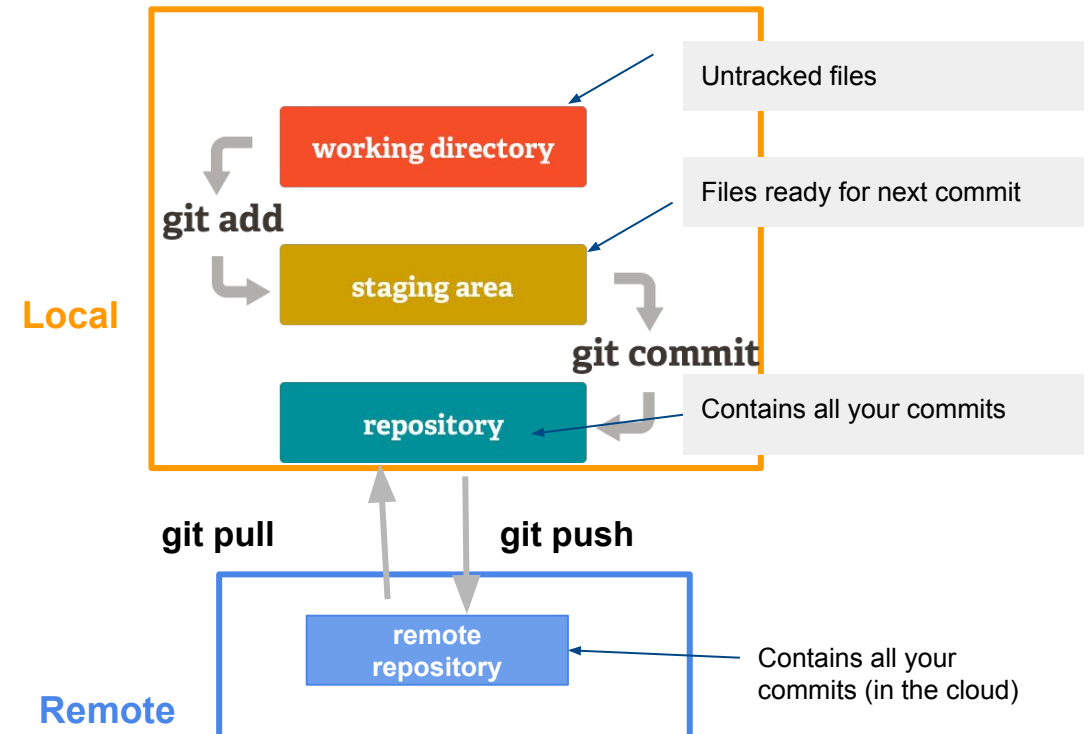*You can also type git commit -m "your message"*

git pull → get last commits from remote repository into local repository

git push → push new commits from local to remote repository

Q&A

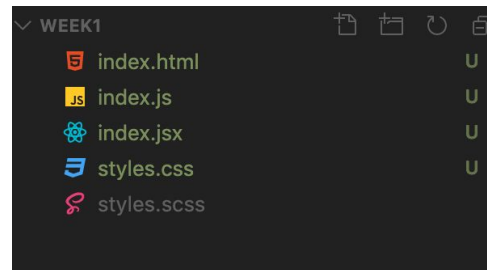# 2. Learning Journey > We've already covered in week 1

Visual Studio Code is a source code editor or IDE (integrated development environment) for building web and cloud applications

Search/install extensions
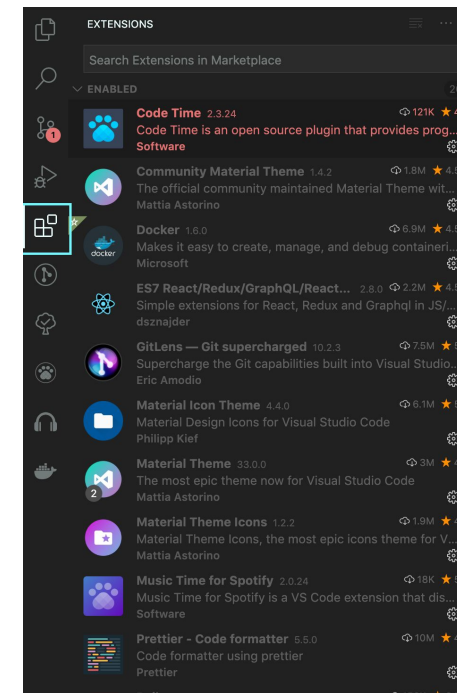
Useful extensions

Prettier. It's a code formatter. It enforces a consistent style in our code.

Material Icon. Add icons to your files and allow to identify them better

Did you know?

- You can open a folder directly by dragging and drop it in the Vscode icon.

letiescanciano@Letis-MacBook-Pro:~/Desktop/MITxPRO/Week1
→ Week1 git:(master) code .

You can also open a folder/workspace from your terminal

Search files by name (append : to go to line or @ to go to symbol)

index.html (Untracked)   recently opened
index.html

You can search for files using *cmd + p* (*ctrl+ p* in Windows)

```
SOURCE CONTROL: GIT                          index.html        index.html (Untracked) ×

Message (⌘Enter to commit on 'master')       index.html > ...

∨ CHANGES                              1      1  <!DOCTYPE html>              1  <!DOCTYPE html>
    index.html                         M      2  <html lang="en">             2  <html lang="en">
                                              3    <head>                     3    <head>
                                              4      <meta charset="UTF-8" />  4      <meta charset="UTF-8" />
                                              5      <meta name="viewport" content="width=de   5      <meta name="viewport" content="width=device-width, initial-scal
                                              6−     <title>My first document</title>   6+     <title>My changed title document</title>
                                              7    </head>                    7    </head>
                                              8    <body></body>              8    <body></body>
                                              9  </html>                      9  </html>
                                              10                              10
```
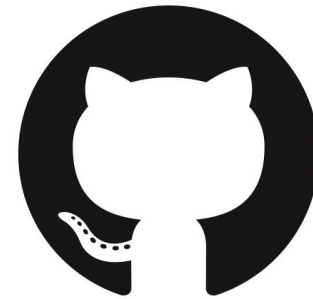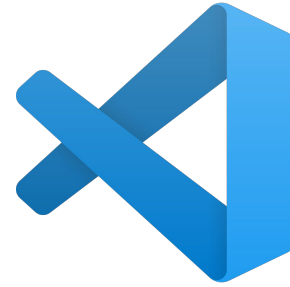
You have a built in git source control where you can check your changes

2. **Learning Journey**

Questions?

- Have you successfully install VsCode?

- Do you have your terminal up and running?

- Have you understand the importance of code style?

- Did you have any issues creating your Github Page?

2. Learning Journey

We'll be learning during week 2

- Core components of the languages and tools used in front end development

- Build web pages using JavaScript, HTML, and CSS

- Define variables, arrays and objects using JavaScript

- Write conditional statements to define when a program should take certain actions

- Define functions to store specific actions that a program can execute upon new data

Q&A