

Introduction to web development

* Web development divides to four categories:

1- user experience (UX)

- UX design is the process of designing (digital or physical) products that are useful, easy to use, and delightful to interact with. It's about enhancing the experience that people have while interacting with your product, and making sure they find value in what you're providing

2- user interface (UI)

- User interface (UI) design is the process to build interfaces in website, focusing on looks or style
- uses (Photoshop , illustrator , xd , figma , ... etc)

3-front-end

- the process to convert ui design into real web design
- also called client-side
- use (html , css , js) and other libraries and frame works these languages

4-backend

- refers to the server-side development. It focuses on databases, scripting, website architecture
- also called server-side
- use server-side languages (php or c# or js , Etc)
- use data bases like (sql , mysql , firebase , ... etc)

* what's the full stack ?

- the full stack is all process of web programming (front+back)
- so the developer who can be front-end developer and back-end developer at the same time called Full-stack developer

* what's the browser ?

- a browser is a software application used to display content on the World Wide Web
- will convert the code that developer types into user interface

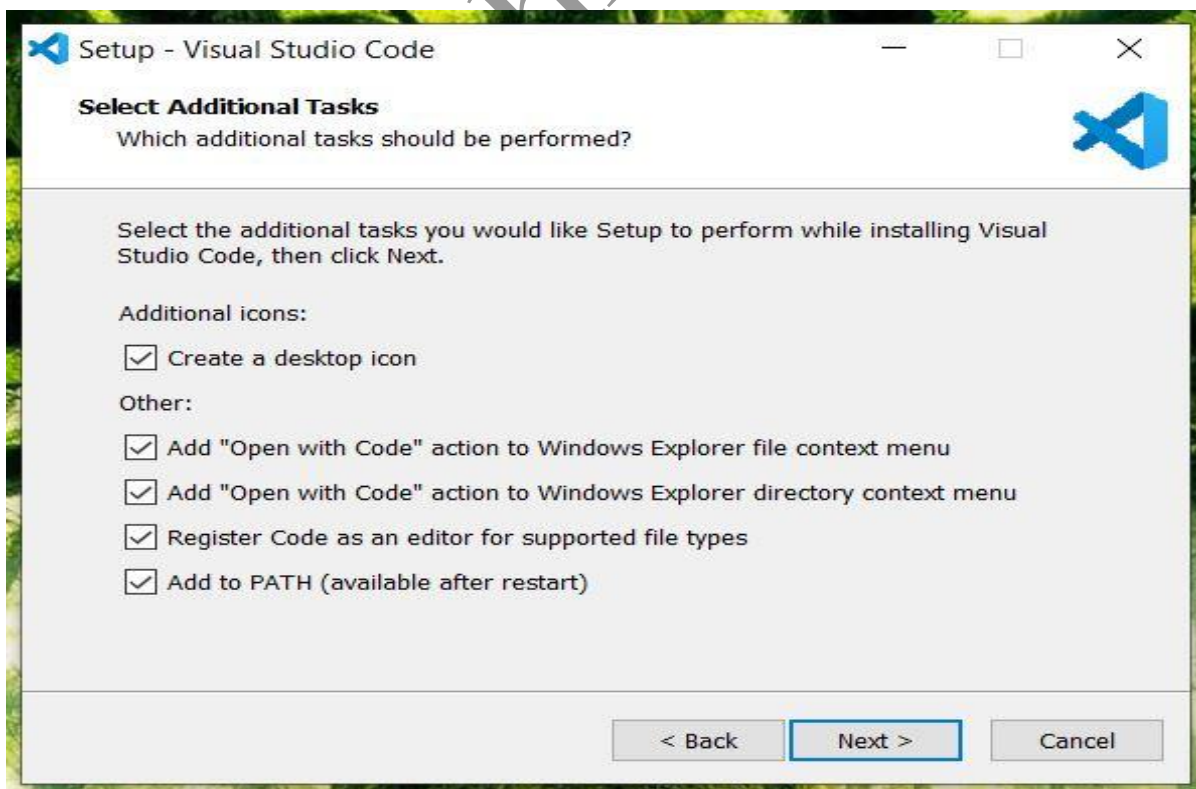
* what's code editor , and why to use it ?

- A text editor that is specialized for writing software
- They make writing and reading the source code easier
- have an extensions that help developer in code writing
- Example (atom , brackets , vs code , ... etc)

* how to install and use visual studio code (VS code) ?

Notice : vs code different from vs

- 1- go to web site of vs code and download it for your operating system (win,linux,mac)
- 2- in step (select additional tasks) , mark true on all (choose them all)
- 3- finish the setup



4- open the vs code shortcut

5- on the top left click on file then check true on auto save option

6- go to extensions and download (view in browser) extension

* how to start new project using vs code and start to write code ?

1- make new folder and name it as u want

2- right click on the project folder and click (open with code) , it will open the vs code in the folder you created directly

3- on left side in vs code screen , right click and make new file

4- name this file name.html and start to write code

*what's the extension of files ?

- A file extension is the suffix at the end of a filename that indicates what type of file it is

Examples :

- images extension like (.jpg , .png , etc)

- videos extension like (.mp4,.3gp ,... etc)

- to let browser know that file about web you should make extension .html

* what's the html ?

- HTML stands for Hyper Text Markup Language

- HTML is markup language not programming language

- responsible to describe the content of page (text, images, buttons, tables ,...etc)

- HTML last version is 5

- HTML extension should be .html