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GitHub link: https://github.com/Srinikhitha98/Web-Mobile-Dev-Spring-2022/tree/ICP1/Web/ICP1

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GitHub link: https://github.com/sukumarbodapati/Web-Mobile-Spring-2022/tree/ICP1/Web/ICP1

ICP1: GitHub and VS code

Introduction to Visual Studio Code:

Visual Studio Code is a source-code editor that can be used with a variety of programming languages, including Java, JavaScript, Go, Node.js, Python and C++.
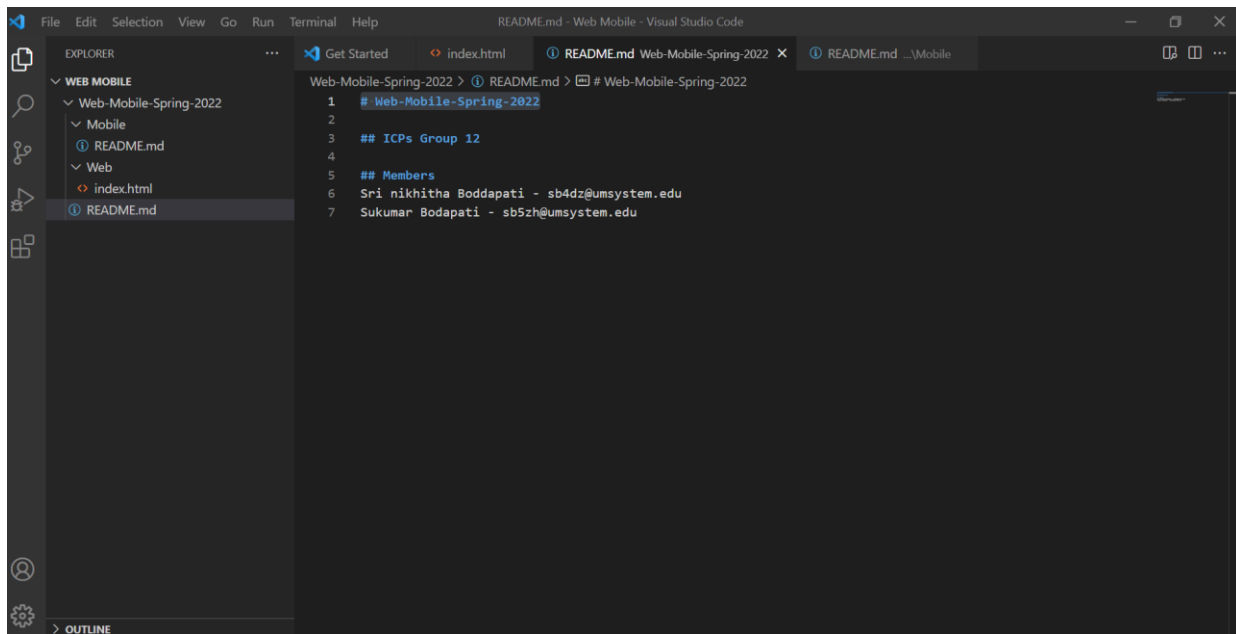

Unique Features of VS code:

- **Support for multiple programming languages**: We can use same platform for coding in different language
- **Cross-Platform Support**: Operated in Windows, Linux, Mac systems
- **User friendly:** Improves code, Free of cost, Commenting, Multiple projects can be handled at a time.
- **Extensions and Support:** If we want to use the language that is not supported, we can add the extensions and use it.
- **Repository and Web support:** It is connected easily with a repository for pulling and saving instances (For example, we can easily pull and save the code into the Git and vice versa). It comes with build -in Web support.

Considering the above features, VS code is the best tool support for Web development. So, we are using VS code in this course because of its compatibility with git and HTML, CSS.

Installation of VS code:

1. Open Web Browser (Google Chrome)
2. Go to: https://code.visualstudio.com/download
3. Download as per Operating system.

VS code:

Introduction to GitHub:

GitHub is a website where programmers and developers can share and collaborate on their code. Forking, pull requests, and merging are three of the most important features in the GitHub.

Forking: Forking is making a copy of original repository and we can make changes to it without affecting the original.

Pull Requests and merging: When multiple people are working on a same project, each people can raise a pull request to the owner of the project where he can review, comment accordingly and merge the code.

Track changes across Versions: GitHub tracks the changes in the changelog, where we can see what kind of changes made each time.

Collaborative work: Multiple people in different locations can work together on the same project.

For example, People working in the software industry especially in the Agile methodology, where they built pieces of the code and release versions of the application sequentially use the above features of the Git and make their work easier.

Steps ICP1:

1.Create a GitHub account and create a repository:

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Owner *   **Repository name** *

[🐱 Srinikhitha98 ▾] / [Web Mobile Dev Spring 2022   ✓]

Great repository names are sh [Your new repository will be created as **Web-Mobile-Dev-Spring-2022.**] ous?

Description (optional)

[   ]

⦿ 🖥️ **Public**
        Anyone on the internet can see this repository. You choose who can commit.

○ 🔒 **Private**
        You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☐ **Add a README file**
     This is where you can write a long description for your project. Learn more.

☐ **Add .gitignore**
     Choose which files not to track from a list of templates. Learn more.

☐ **Choose a license**
     A license tells others what they can and can't do with your code. Learn more.

2.Create a new file with the name of "Web "in the repository created "Web-Mobile-Dev-Spring-2022".

3.Create a new file "ICP1" in the Web folder.

4.Create README.md file in the ICP1 folder and updated the README.md file with the details of Teammate's.

⑂ main ▾   **Web-Mobile-Dev-Spring-2022** / Web / **ICP1** /   [Go to file] [Add file ▾] [⋯]

🐱 Srinikhitha98 Created index.html   1ffd16a 2 minutes ago   🕐 History

..

📄 README.MD   Update README.MD   22 minutes ago

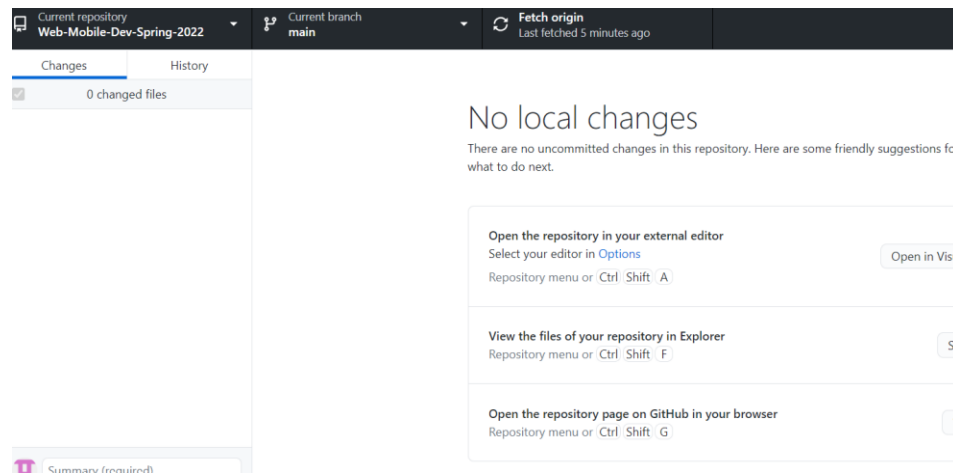📄 index.html   Created index.html   2 minutes ago

≔ **README.MD**   ✎

   Sri Nikhitha Boddapati

   sb4dz@umsystem.edu

   Sukumar Bodapati

   sb5zh@umsystem.edu Github Link:

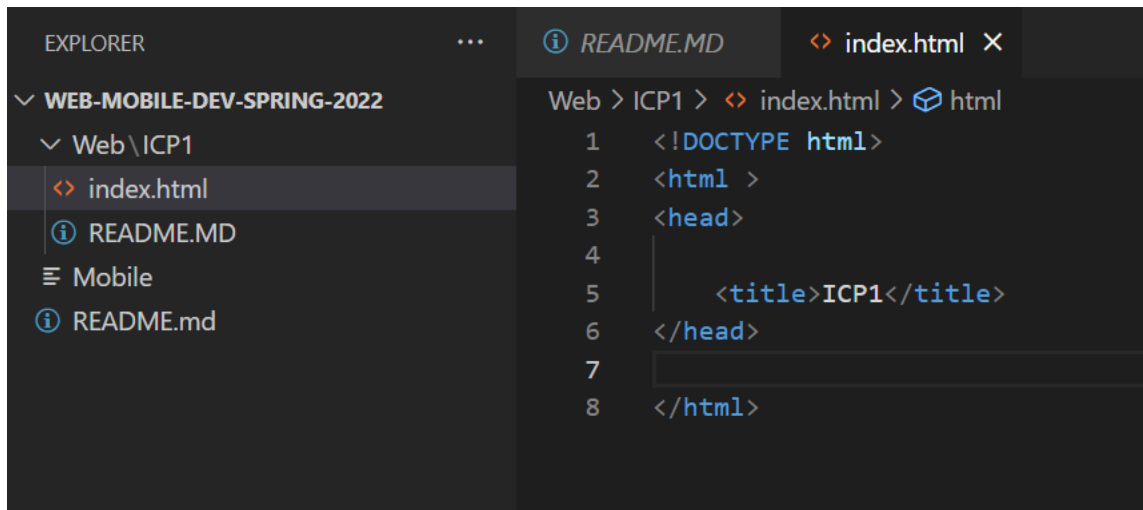5.Clone the repository into the local machine using GitHub Desktop.

GitHub Desktop:

GitHub Desktop is a program that lets you communicate with GitHub through a graphical user interface (GUI) rather than the command line or a web browser. GitHub Desktop allows you to push to, pull from, and clone remote repositories. We can download the GitHub desktop from:
https://desktop.github.com/

6.Open the cloned file using the VS code and add index.html file in the ICP1.

7.Open the GitHub desktop, push the changes.

8. Create a branch "ICP1" and push the changes

9.Create an issue "ICP1 Assignment".

10.My partner has forked the repository created by me.