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GitHub link:

[https://github.com/LukeT11/WebMobileProgramming/tree/main/Web\\_Lessons/Web\\_ICP1](https://github.com/LukeT11/WebMobileProgramming/tree/main/Web_Lessons/Web_ICP1)

Web ICP 1

GitHub and WebStorm Tools

## Introduction

GitHub is an open-source version control system used for software development. It allows for simple ease of source code management tools and easy distribution of it for sharing, modifying and viewing.

WebStorm is an integrated development environment (IDE) for JavaScript and related technologies. It makes for an easier and smoother experience for handling complex tasks for development.

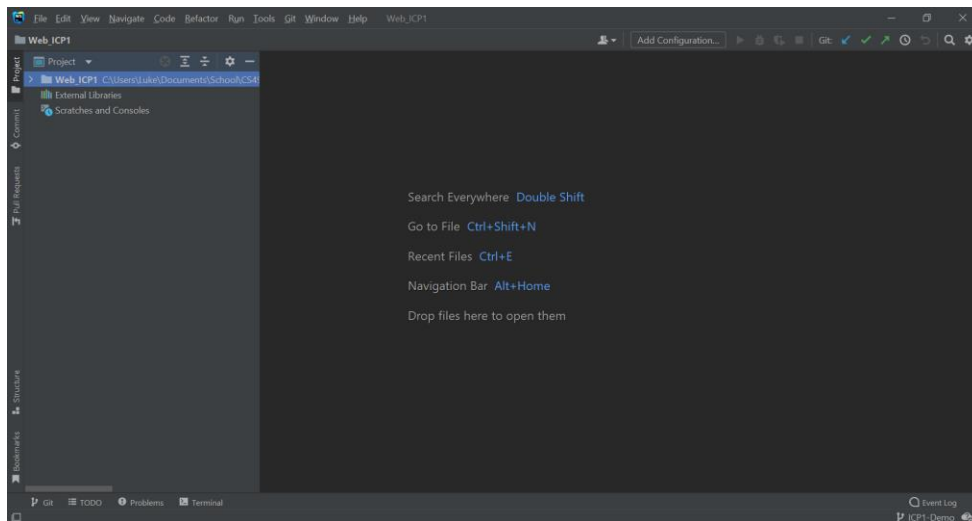
## Tasks

ICP1 Tasks:

1. Creation of a GitHub account, repository and clone of it to GitHub desktop.
2. Creation of “index.html” and adding it to my GitHub repository.
3. Made use README files within my repository files.
4. Wiki page for ICP1.
5. Branch for my repository.
6. Created a Pull Request.
7. Created an issue and described my pull request.
8. Synced my local repository to my remote repository within GitHub.
9. Forked any existing repository.

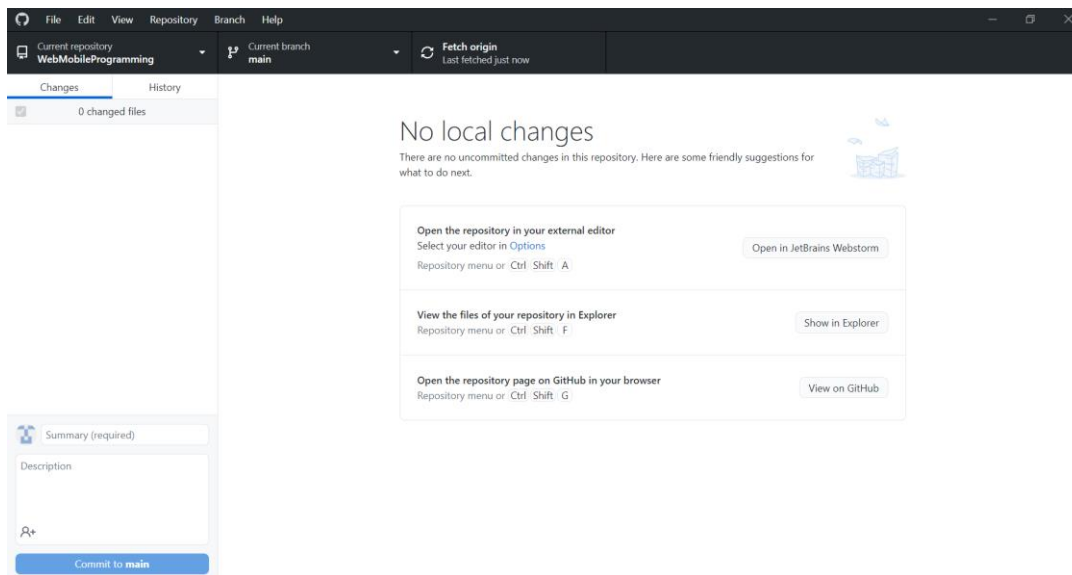
Installed WebStorm and GitHub desktop version

WebStorm installed on my device:



GitHub Installed on my device:

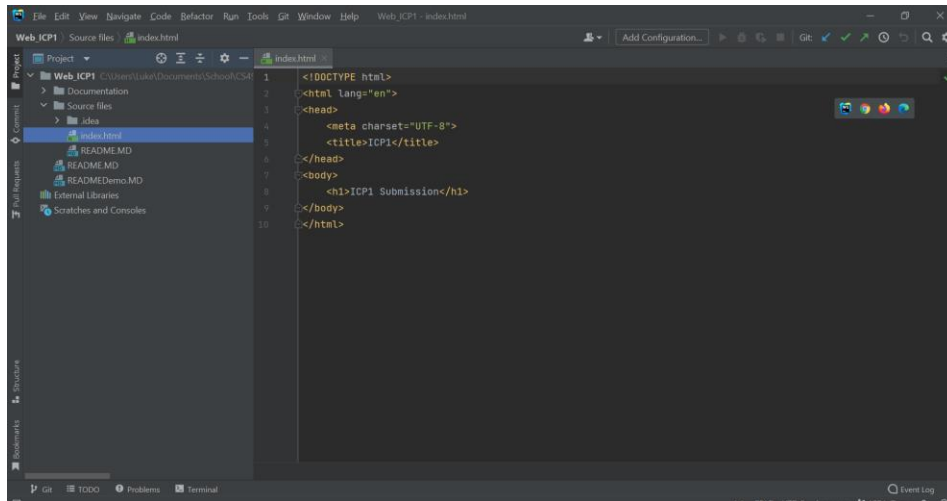
1. Created a GitHub account
2. Setup in desktop
3. Created and cloned repository within GitHub Desktop.



## Creation of “index.html”

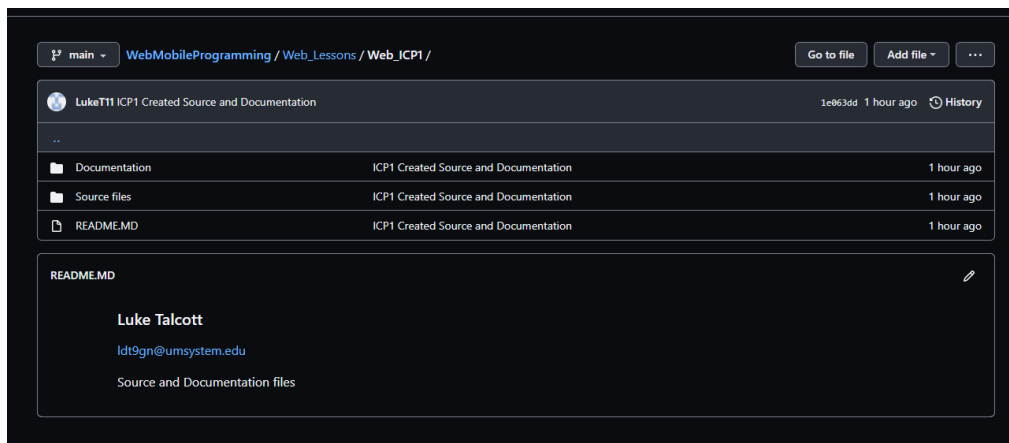
Used WebStorm to open ICP1 file and add an html file to it and uploaded with the repository.

1. Opened WebStorm
2. Opened ICP1
3. Added “index.html” file



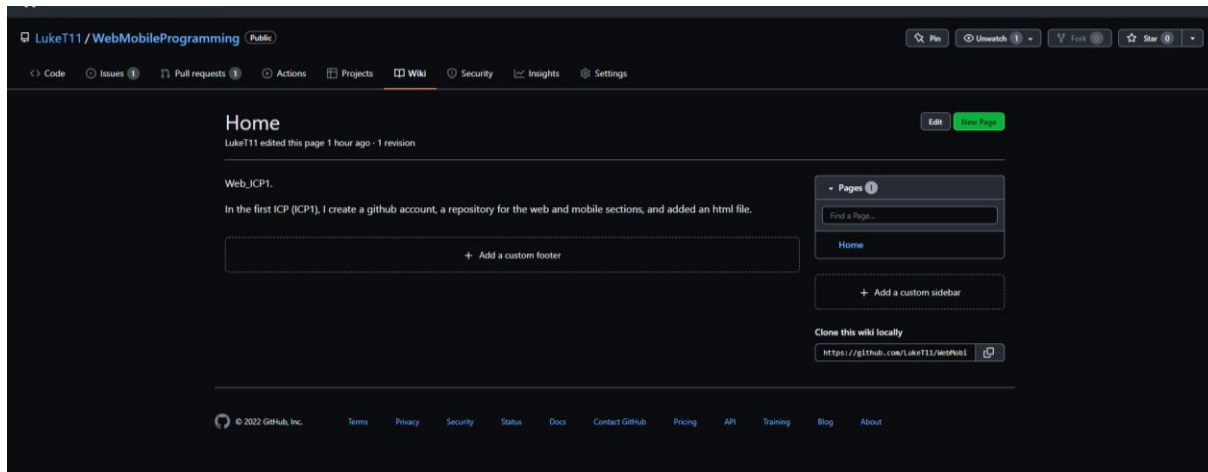
## README file

Used within the repository to describe what is within the project, how it's useful and how it can be used.



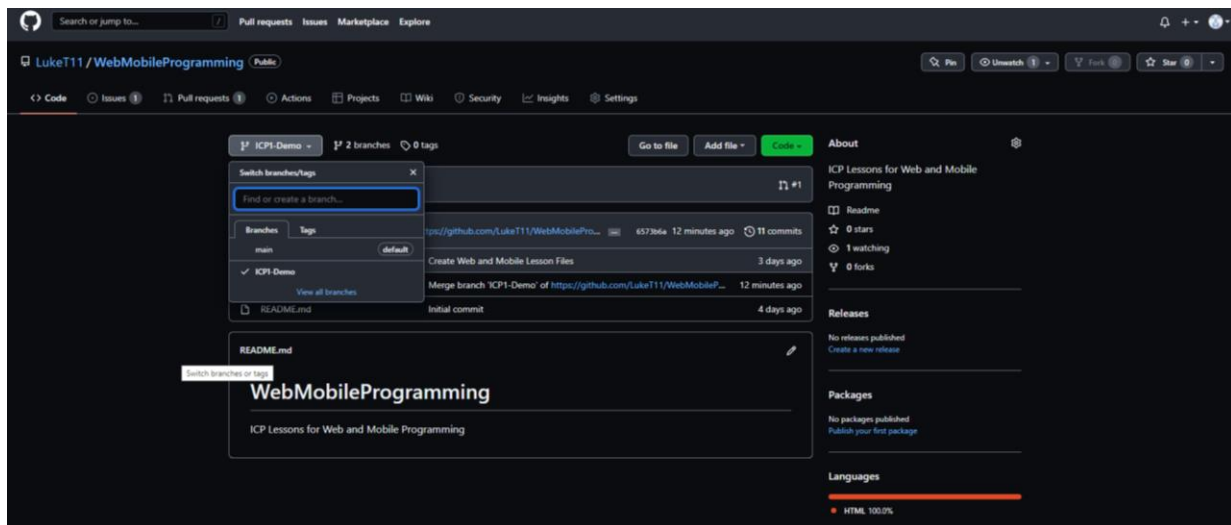
## WIKI page for ICP1

Wiki pages used to describe things about project within the repository. It can explain what it can be used for, how it can be used, and its principles.



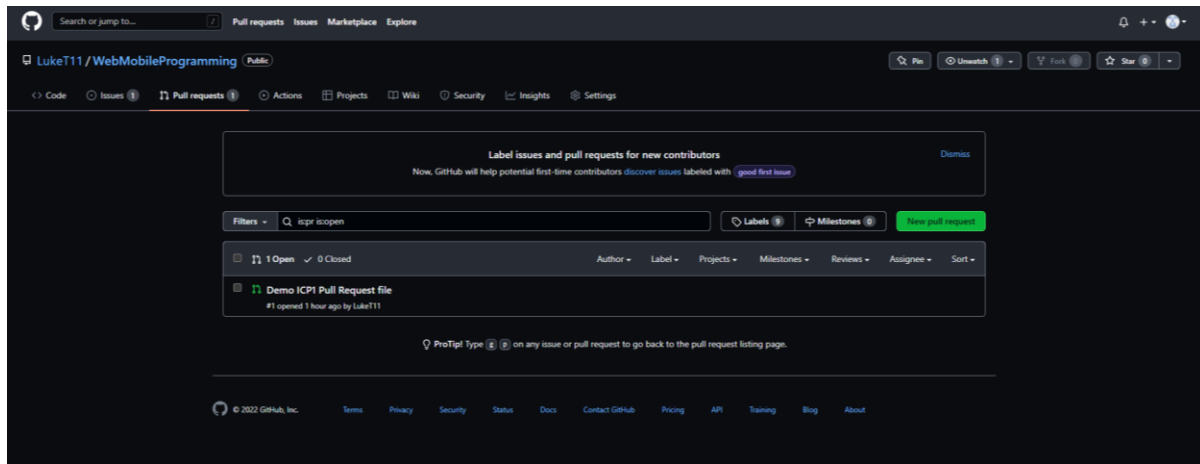
## BRANCH

Create branches to which can contribute work separated from the original main branch.



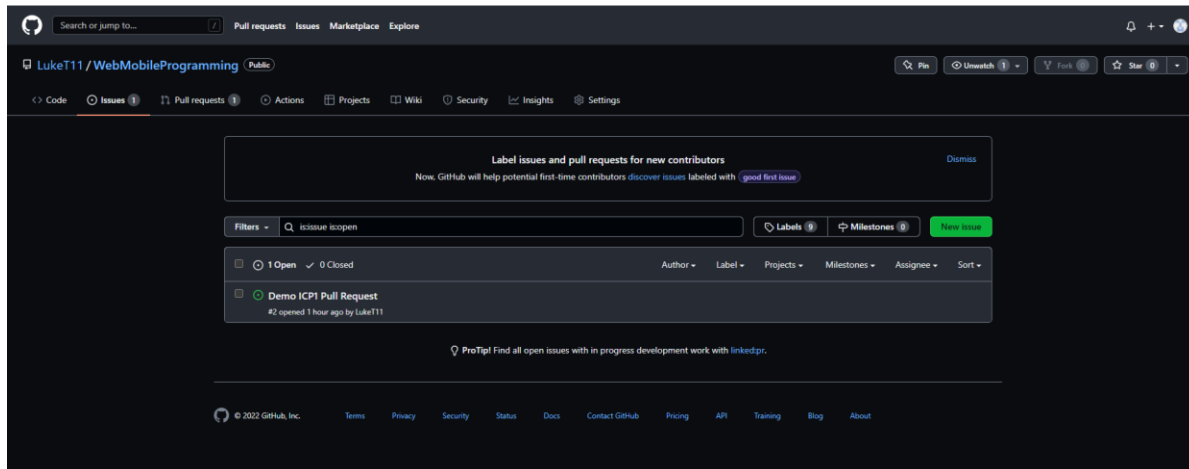
## PULL Request

If you make a change in a repository to the original work, pull request allow others to view and know about the changes that you made to your repository from the main.



## Created an ISSUE

Issues allow for discussing any issues or modifications that can be made to the project. Allows for easy collaboration.



## SYNCED and FORK existing repository

Creation of a new repository or project from the original project.

1. Committed new work to repository
2. Pushed to the remote origin repository
3. Forked branch

## Contribution

I worked independently, so I am the sole contributor.

## Conclusion

I installed and made example use of some of the tools within WebStorm and GitHub. Within WebStorm, I created and added a simple html source file to my repository for GitHub. I used GitHub to create, cloned, update and use a repository within the desktop version, and create examples using some of the GitHub tools such as a wiki page, branch, pull request, issue and forking.