

Homework Zero

IE 582 - Fall 2021

The aim of this homework is to make you create your personal webpage (so called progress journal) for IE 582. To achieve this, we will benefit from the hosting capabilities of GitHub. Specifically, GitHub Pages and GitHub Classroom will be utilized to publish your progress on your homework assignments. More importantly, version controlling on the homework reports (together with the codes) is easier with the help of Git. For further information about Git and Github, you can visit:

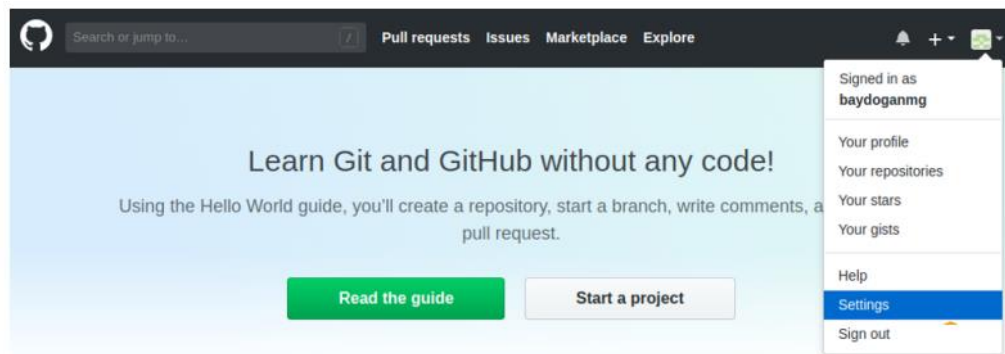
<https://www.w3schools.com/git/default.asp?remote=github>

The screenshots to illustrate the steps can be outdated as they were prepared for Fall 18 semester. Some of the menu items shown on the screenshots may have been changed by Github. However the tasks are still doable, use the related forum topic on Moodle in case you have questions/problems. Below you will find step by step guide to create your progress journal:

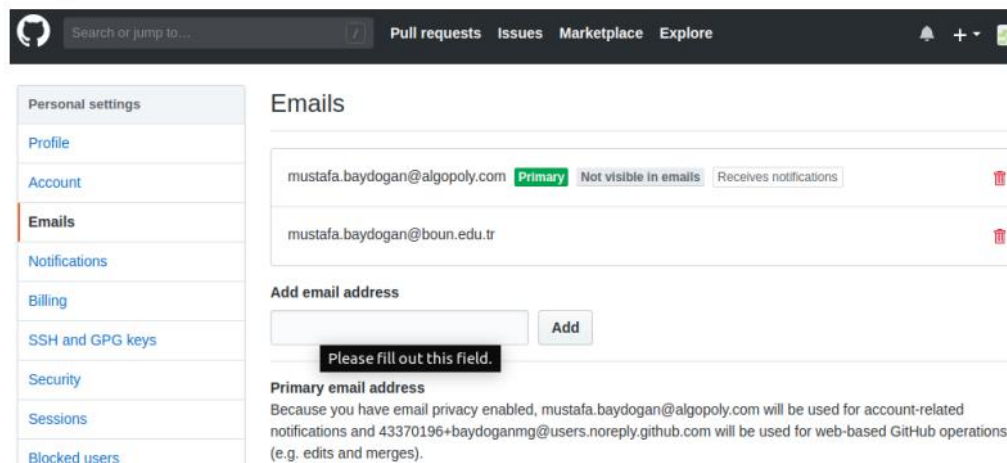
1- Create a GitHub Account and Accept Homework Link

- i. Open github.com
- ii. Create an account.
- iii. If you already created one, add your @boun.edu.tr email to the email addresses.

Example screenshot.



Example screenshot.



- iv. Enter the link to the browser and create your repository from there.

The link: <https://classroom.github.com/a/Kit-IYYa>

Your repository will be BU-IE-582/fall21-<YOURUSERNAME>

Example screenshot:

BU-IE-582

Accept the assignment — Fall21


Once you accept this assignment, you will be granted access to the `fall21-baydoganmustafa` repository in the `BU-IE-582` organization on GitHub.



You're ready to go!

You accepted the assignment, `Fall21`.

Your assignment repository has been created:

 <https://github.com/BU-IE-582/fall21-baydoganmustafa>

2- Set Up Your GitHub Pages Website

Please follow <https://pages.github.com/> for information on GitHub Pages. Also, instructions on <https://docs.github.com/en/pages/getting-started-with-github-pages/creating-a-github-pages-site#creating-your-site> is helpful to create your site. You are going to this only once. After following the steps, your site will be visible as:


GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

✓ Your site is published at <https://bu-ie-582.github.io/fall21-baydoganmustafa/>

Source

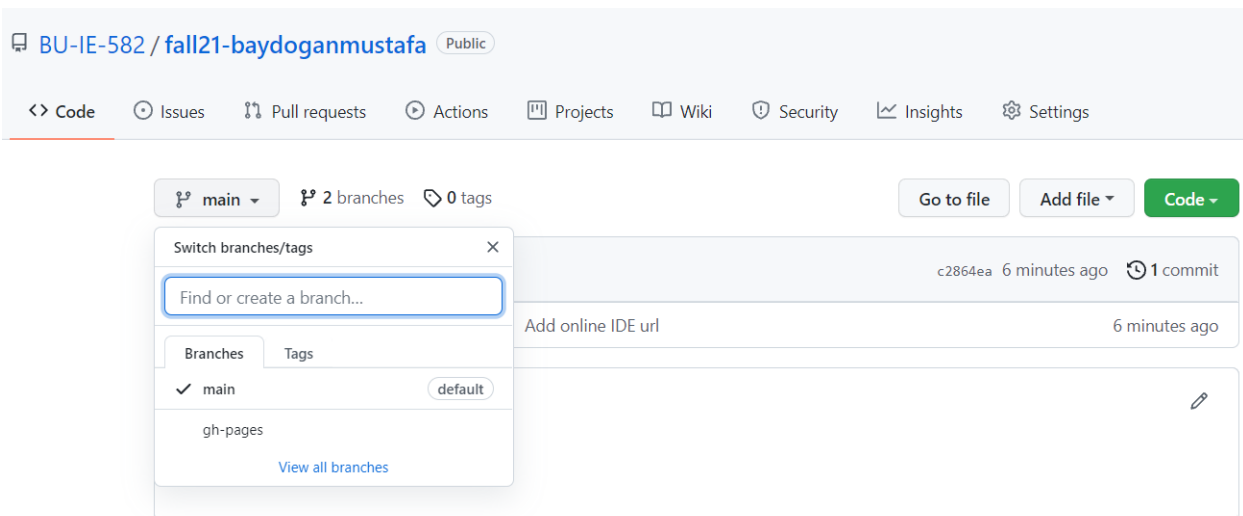
Your GitHub Pages site is currently being built from the `gh-pages` branch. [Learn more.](#)

 Branch: `gh-pages` ▼

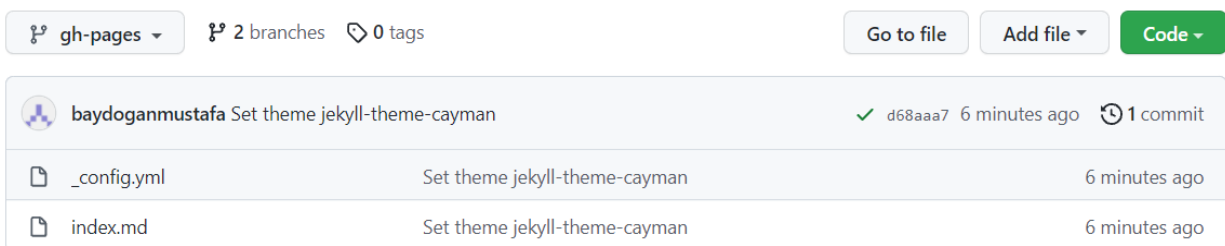
 / (root) ▼

Save

Note that, the source of “GitHub Page” is at “gh-pages” branch. If you go back to your repository, you can switch between branches as provided in the screenshot below (i.e. clicking on main)



Below is the content of “gh-pages” branch



Your progress journal uses index.md file for the contents. *.md is a file type used for the documents implemented in markdown language.

This is the raw markdown file: <https://raw.githubusercontent.com/BU-IE-582/fall21-baydoganmustafa/gh-pages/index.md>

This is the interpreted one by GitHub: <https://github.com/BU-IE-582/fall21-baydoganmustafa/blob/gh-pages/index.md>

This is the final progress journal: <https://bu-ie-582.github.io/fall21-baydoganmustafa/> in html format

You can check İlayda’s progress journal for a good markdown implementation for the progress journal

<https://raw.githubusercontent.com/BU-IE-582/fall20-ilaydacelenk/master/index.md>

<https://github.com/BU-IE-582/fall20-ilaydacelenk/blob/master/index.md>

<https://bu-ie-582.github.io/fall20-ilaydacelenk>

3- Manage contents of your repository: Download GitHub Desktop or GitKraken and Clone

Your Repository

Visit GitHub Desktop website (<https://desktop.github.com/>) , download (Mac/Windows) and install. GitHub Desktop is not available for Linux distributions. I would recommend GitKraken (<https://www.gitkraken.com/>) which is multi-platform.

- GitHub Desktop instructions: Open GH Desktop and login. Clone your repository to your computer. Locate your repository. It will include starter files if there is any.
- GitKraken instructions: Open GitKraken. Sign-in with GitHub in welcome screen. Authorize using your browser. You can follow the instruction in the link (<https://www.techrepublic.com/article/how-to-install-and-use-gitkraken-on-ubuntu-with-snap/>) and clone your repository to your computer. It will include starter files if there is any.

If you have trouble in performing these tasks, you can have a look at the following YouTube Tutorials:

- GH <https://www.youtube.com/watch?v=XdhuWDdu-rk>
- GitKraken <https://www.youtube.com/watch?v=AMFoJoNh3V4>

You are expected to see the contents of your GitHub repository in your local file system. Please check if you have been able to see repository contents in the related folder. Now you can work on the contents of your repository locally, modify files, add files and then push to your repository to sync your work. “Push” operation will be triggered from the software you installed for version controlling.

4- Modify your index.md file locally, then “Commit and Sync”

Edit your index.md file (in your selected local folder) so that you have your name and greetings on your progress journal. You can check first two rows of ilayda’s markdown file: <https://raw.githubusercontent.com/BU-IE-582/fall20-ilaydacelenk/master/index.md>

- No matter which tool you use (i.e. GH Desktop or GitKraken). Click on your repository, you should have some changes.
- Write something to the commit title.
- Commit and then sync (make sure you committed all the changes first).
- You are going to repeat this step every time you changed something in this repository

5- Celebrate!

If you observe the changes on your progress journal link, “mission accomplished 🎉” Congratulations!