

Tutorial for Github Classroom

IE 423 - Fall 2023

The aim of this tutorial 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:

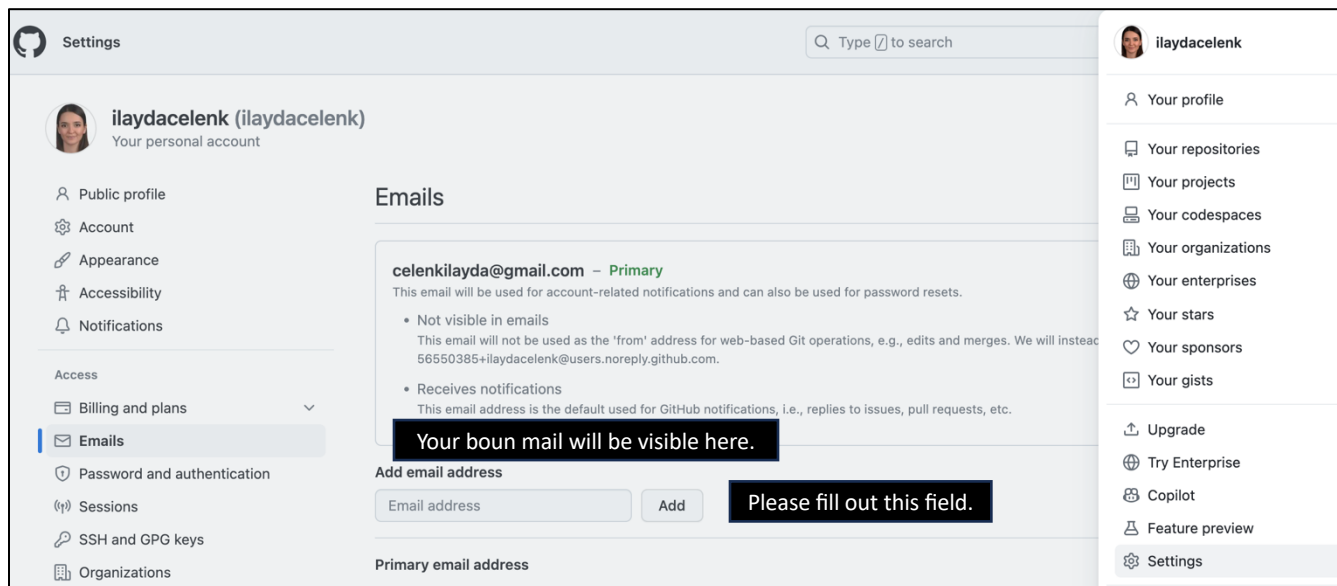
<https://www.w3schools.com/git/default.asp?remote=github>

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. Make sure it is visible in the Emails section after adding.

Example screenshots:





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


The link: <https://classroom.github.com/a/lgwONSIR> Your repository will be BU-IE-423/fall21-<YOURUSERNAME>

Example screenshots:


GitHub Classroom by **GitHub** would like permission to:


 Verify your GitHub identity (ilaydacelenkk)

 Know which resources you can access

 Act on your behalf
[? Learn more](#)

Resources on your account

 **Email addresses** (read)
View your email addresses


 **Plan** (read)
View your subscription plan on GitHub

[Learn more about GitHub Classroom](#)

Cancel

Authorize GitHub Classroom

Authorizing will redirect to
<https://classroom.github.com>



You accepted the assignment, **Fall 23** . We're configuring your repository now. This may take a few minutes to complete. Refresh this page to see updates.


BU-IE-582

Accept the assignment —

Fall 23

Once you accept this assignment, you will be granted access to the `fall-23-ilaydacelenkk` repository in the **BU-IE-582** organization on GitHub.


Accept this assignment



You're ready to go!

You accepted the assignment, **Fall 23**.

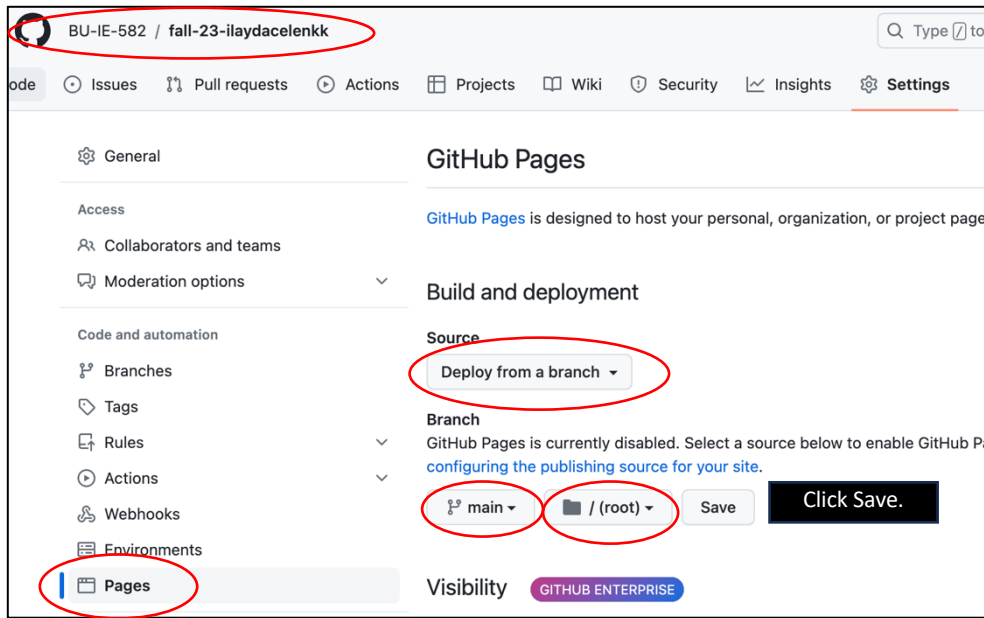
Your assignment repository has been created:

 <https://github.com/BU-IE-582/fall-23-ilaydacelenkk>

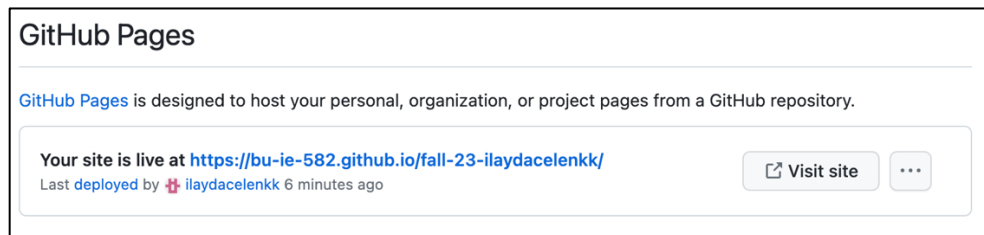
We've configured the repository associated with this assignment ([update](#)).

2- Set Up Your GitHub Pages Website

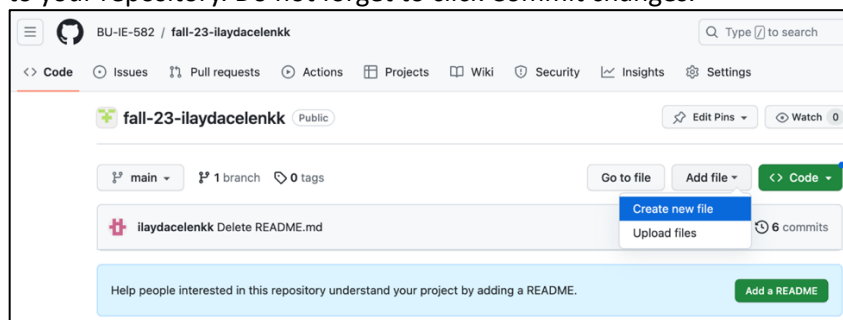
Please follow <https://pages.github.com/> for information on GitHub Pages. Also, instructions on <https://docs.github.com/en/pages/getting-started-with-github-pages/creating-a-github-pages-site#creating-your-site> is helpful to create your site. You are going to this only once.



After clicking Save, refresh this page to see your site link. This may take 2-3 minutes.



Now you need to create `_config.yml` and `index.md` files in your repository. The `_config.yml` is responsible of creating a theme for your site and with the `index.md` file you can edit your site. Download the setup_documents provided in Moodle and go to your repository. Click Add File > Upload Files and add the two files (not the folder) to your repository. Do not forget to click Commit changes.



You need to change the contents of your `_config.yml` file:

```
theme: jekyll-theme-THEMENAME
title: İlayda Celenk's Progress Journal
description: This journal is created for IE 423 Fall23.
```

Change title and description appropriately. To set a THEMENAME, visit <https://pages.github.com/themes/> and select one, go to its `_config.yml` file and replace THEMENAME in **YOUR** `_config.yml` accordingly.

Some examples:

```
jekyll-theme-cayman
jekyll-theme-merlot
jekyll-theme-slate
```

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 final progress journal in html format with another `index.md` file: <https://bu-ie-423.github.io/fall-23-ilaydacelenkk/>

This is the raw markdown file: <https://raw.githubusercontent.com/BU-IE-423/fall-23-ilaydacelenkk/main/index.md>

This is the interpreted one by GitHub: <https://github.com/BU-IE-423/fall-23-ilaydacelenkk/blob/main/index.md>

Once you have created `_config.yml` and `index.md` files in your repository, visit your progress journal link and make sure everything is fine in your Github Pages site.

3- Manage contents of your repository: Download GitHub Desktop

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.

- 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!