# Using GitHub Pages in github.ncsu.edu

#### Overview

<u>GitHub Pages</u> is the web page hosting service included in GitHub.com and NC State's GitHub Enterprise service maintained by ITECS. By default, GitHub Pages are limited to 1 GB per project, although ITECS may impose other limitations.

When creating a website using NC State's GitHub Enterprise service (described below), the website will be behind the github.ncsu.edu LDAP authentication. As a result, GitHub Pages has a fairly narrow use case:

- Static HTML websites (plus CSS and JS)
- Only available to a campus audience

With these limitations, GitHub Pages may be a viable replacement for the www4 service for use cases like:

- Learning to use HTML is a course or assignment objective (and student projects do not need to be visible to the world)
- Instructors want to provide a hand-coded web page resource to students (and understand that the resource is only available to a campus audience)

#### Additional advantages:

- No FTP client is required
- Web pages can be created and edited entirely from the browser (no additional software required, although some users may benefit from using GitHub Desktop or the command line)
- Web pages can be built collaboratively
- Students who use GitHub Pages to build their websites will be exposed to version control

**NOTE:** This document describes using GitHub Pages in NC State's internally-facing <a href="mailto:github.ncsu.edu">github.ncsu.edu</a> service.

Similar websites can be built using GitHub.com, which is a private company not affiliated with NC State. You can <u>read more about GitHub Pages on GitHub.com</u>.

### **Example GitHub Pages Website**

- 1. Visit github.ncsu.edu and log in with your Unity ID and password.
- 2. <u>Create a new GitHub repository.</u> The name you give your repository will determine what the URL for your website will be.

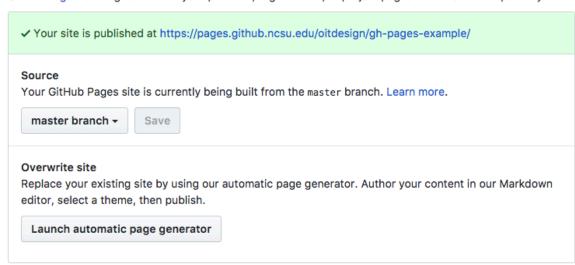
Repositories can be owned by <u>an individual user or by a GitHub "organization"</u> (read: user group). For some use cases (eg. collaborative class projects), organizations may be a useful option.

## Create a new repository A repository contains all the files for your project, including the revision history. Owner Repository name ■ oitdesign ▼ gh-pages-example Great repository names are short and memorable. Need inspiration? How about stunning-sniffle. Description (optional) Example of a GitHub Pages static HTML website **Public** Any logged in user can see this repository. You choose who can commit. **Private** You choose who can see and commit to this repository. Initialize this repository with a README This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository. Add .gitignore: None -**Create repository**

- 3. Write your index.html file and commit it to your <u>GitHub repository</u>.
- 4. Go to your repository settings and scroll down to the section labeled "GitHub Pages."
- 5. Under "Source," select the branch containing your web files (in this example, it's the master branch). Save your choice.

### GitHub Pages

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



6. Your website is now published. Your URL will be:

https://pages.github.ncsu.edu/<username/organization>/<projectname>/

For this example, you can view the website at: <a href="https://pages.github.ncsu.edu/oitdesign/gh-pages-example/">https://pages.github.ncsu.edu/oitdesign/gh-pages-example/</a>

7. Any additions/changes made to the files in your GitHub repository (in the branch selected) will be published to your website.