

# **Web Programming**

## **GitHub Pages**

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# GitHub Pages

## ■ GitHub Pages

- Build the web using GitHub Pages
- <https://pages.github.com/>
  - If you need a guide or more information, please refer to this site
- <https://github.com/>
  - We will build the site from scratch using GitHub repository

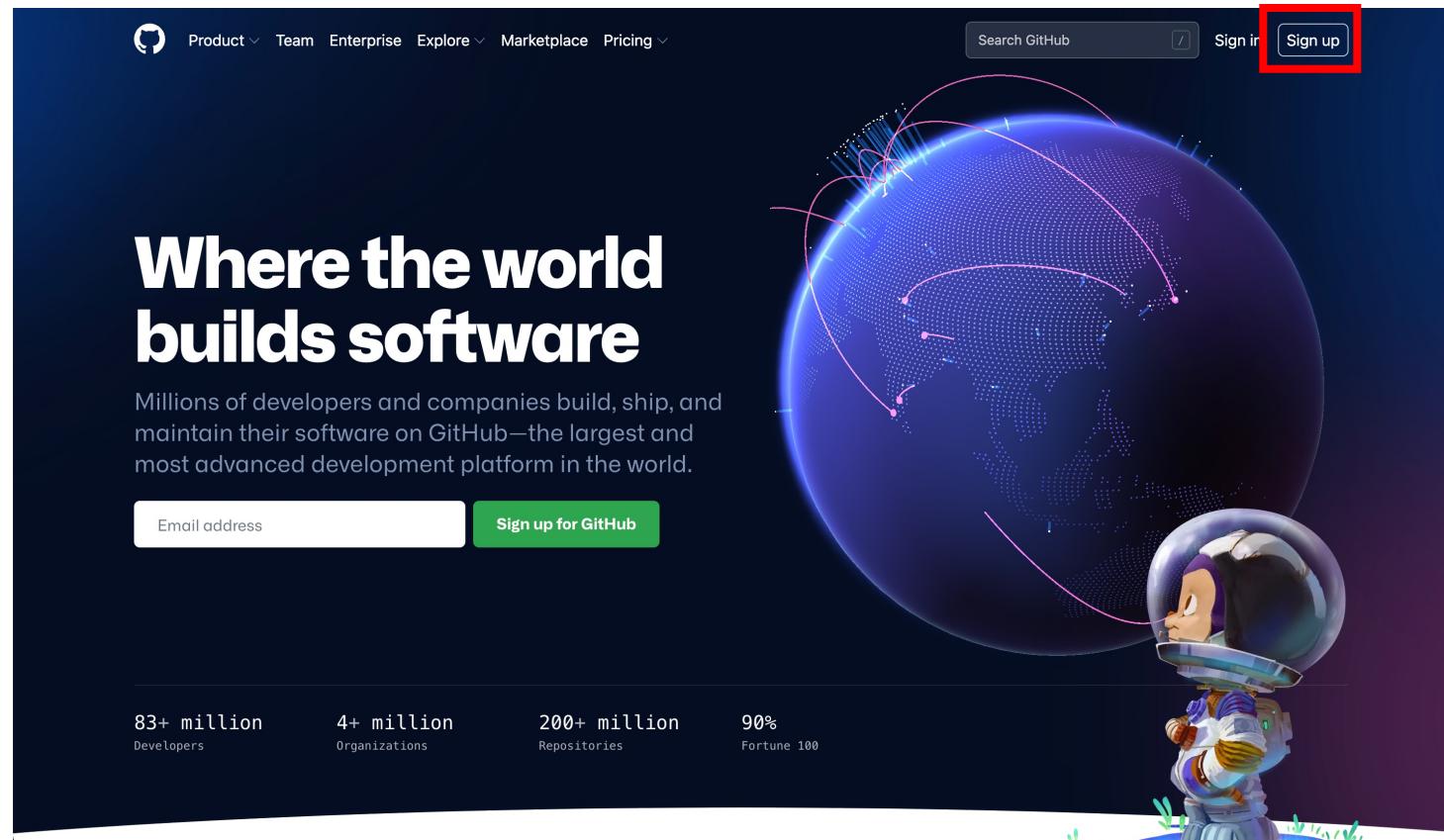
The screenshot shows a dark-themed GitHub Pages landing page. At the top right, there's a "GitHub Pages" button and a "Pages Help" link. The main heading is "Websites for you and your projects." Below it, a subtext says "Hosted directly from your [GitHub repository](#). Just edit, push, and your changes are live." A large image in the center displays a desktop monitor and a smartphone both showing a "Design Resources" page for a Facebook project. The page features a collection of free resources made by designers at Facebook, with sections for "iOS 6 GUI (iPhone)", "Diverse Device", and "iOS 9 GUI". The overall theme is dark with light-colored text and images.

What is GitHub Pages?

# Sign Up

## Sign up

- Head over to GitHub.com and sign up
  - <https://github.com/>





# Create a New Repository

## Creating a repository for your site

- In the upper-right corner of any page, use the + drop-down menu, and select **New repository**
- Type a name for your repository and an optional description
- Choose a repository visibility → Must be **Public**
- Click **Create 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 \***

Great repository names are short and memorable. Need inspiration? How about [refactored-computing-machine](#)?

**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.

This will let you immediately clone the repository to your computer.

Add .gitignore: None  Add a license: None

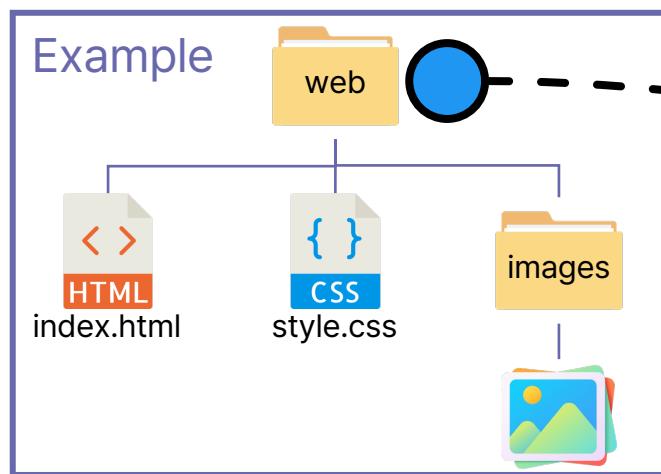
**Create repository**



# Upload Files

## Upload files to your repository

- Click uploading an existing file
- Drag files or choose files
  - MUST HAVE one "index.html"



- Click Commit changes

The screenshots show the GitHub repository setup process:

- The first screenshot shows the repository landing page with a "Quick setup" message and a link to "uploading an existing file".
- The second screenshot shows the "test" repository page with a "Drag files here to add them to your repository" area and a "Commit changes" button.
- The third screenshot shows the "Commit changes" modal with fields for "Add files via upload" and "Add an optional extended description..", and a red box highlighting the "Commit changes" button.



# Repository Settings

## ■ Settings to use GitHub Pages

- Click **Settings**
- Click **Pages**
- Select the **main** branch source and click on the **Save** button

The screenshot shows the GitHub repository settings page for a repository named 'test'. The 'Settings' tab is highlighted with a red box. On the left, there's a sidebar with options like General, Access, Collaborators, Moderation options, Code and automation, Branches, Tags, Actions, Webhooks, Environments, and Pages. The 'Pages' option is also highlighted with a red box. On the right, under the 'GitHub Pages' heading, it says 'GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.' Below that, it says 'Source' and 'GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository.' A dropdown menu titled 'Select branch' shows 'None' and 'main' selected. A 'Save' button is visible. At the bottom, there's a promotional message for GitHub Enterprise.

The screenshot shows the GitHub Pages configuration interface. It has a heading 'GitHub Pages' and a sub-section 'Source' which is highlighted with a red box. It says 'GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.' Below it, it says 'Source' and 'GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository.' A dropdown menu for 'Branch' is set to 'main / (root)'. A 'Save' button is also present. Below the source section, there's a 'Theme Chooser' section with a 'Choose a theme' button.



# Check URL

## ■ Check your site

- To see your published site, click your site's URL
- It can take up to 10 minutes for changes to your site to publish after you push the changes to GitHub

## GitHub Pages

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

✓ Your site is published at <https://octocat.github.io/>



# Update Files

## ■ Update the changed files

- Click Code and Upload files
- Drag the changed files
  - If you change the files within a specific folder, select the folder and upload files
  - If you want to leave information about the changed file, leave a message at Commit changes
- Click Commit changes

The screenshot shows two screenshots of a GitHub repository named 'xoyeop/test'.

The top screenshot shows the repository overview. The 'Code' tab is selected, indicated by a red box. Below it, the main branch is 'main' (1 branch, 0 tags). A context menu is open over a commit titled 'Create README.md'. The menu items are 'Go to file', 'Add file', 'Create new file', and 'Upload files', with 'Upload files' highlighted by a red box.

The bottom screenshot shows the 'Commit changes' dialog box. It has a red box around the entire form. At the top, there's a section to 'Drag files here to add them to your repository' or 'choose your files'. Below that is a text area for 'Commit changes' with the placeholder 'Add files via upload'. There's also an optional extended description area. At the bottom, there are two radio button options: 'Commit directly to the main branch.' (selected) and 'Create a new branch for this commit and start a pull request.' A large red box highlights the 'Commit changes' button at the bottom right of the dialog.



# End of Class

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