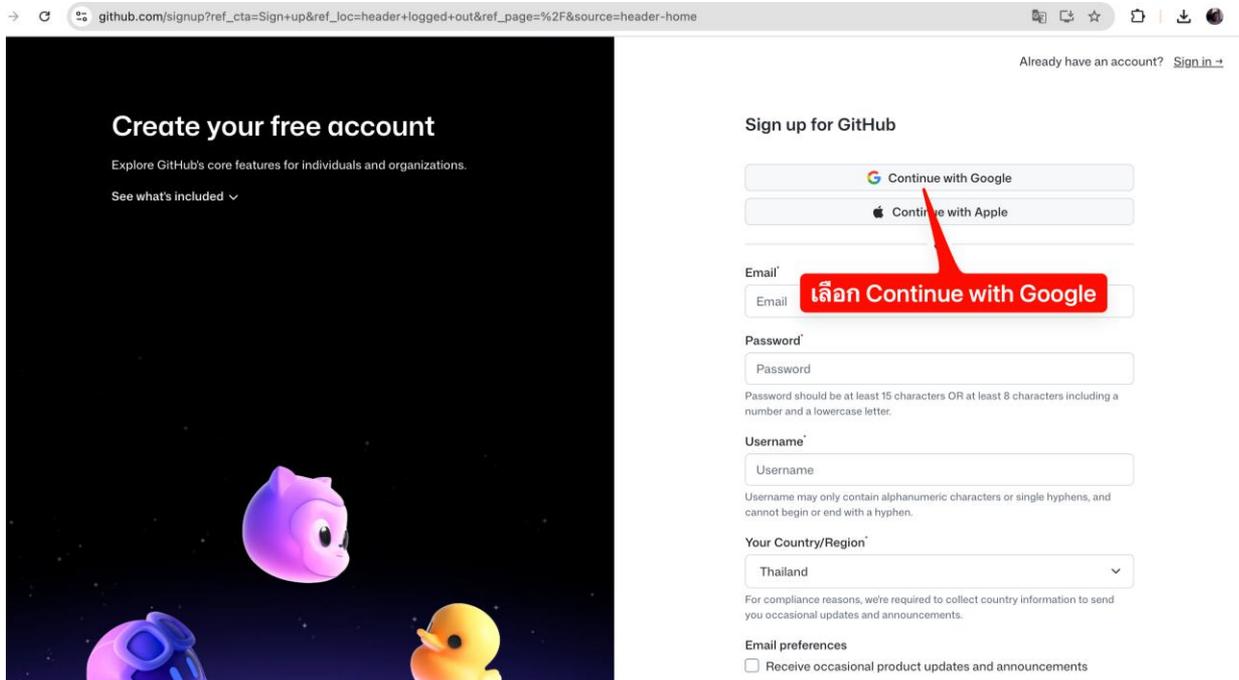
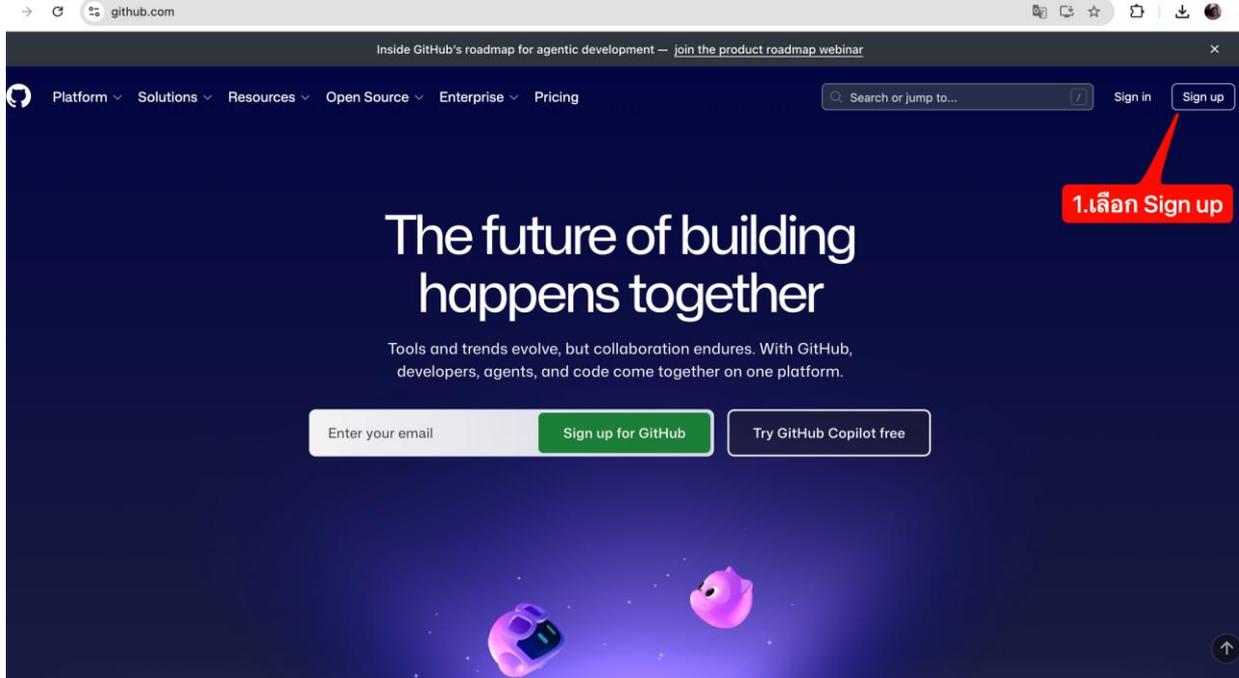
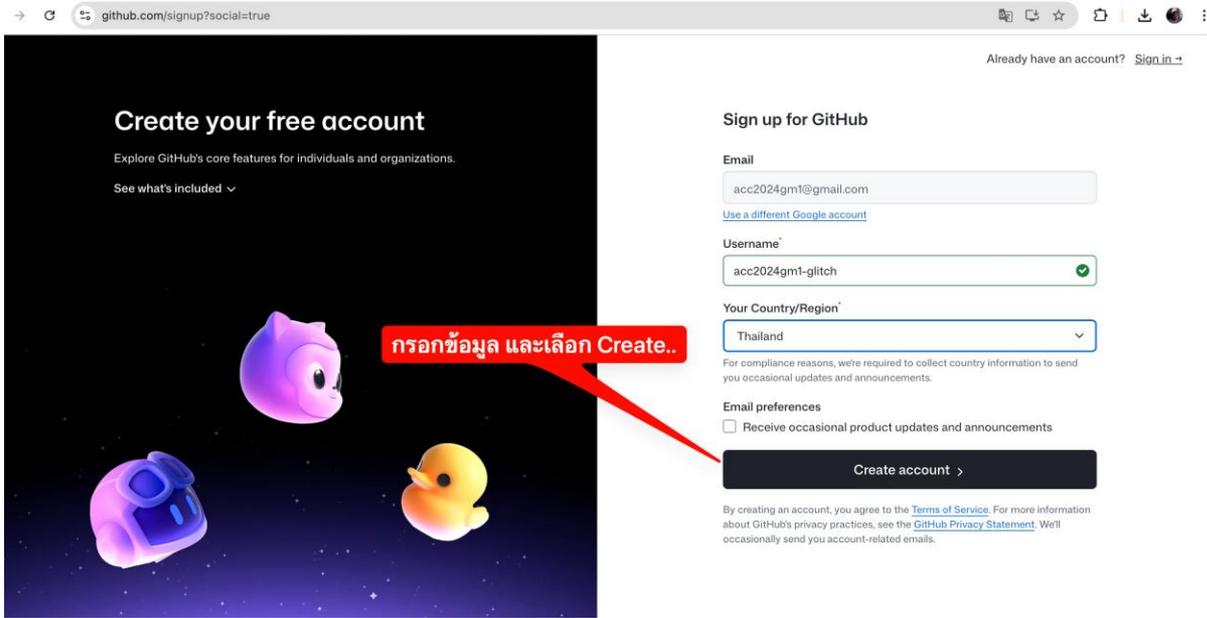


Step 1: Create GitHub Repo

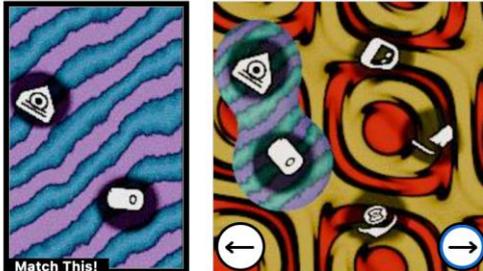
- Go to GitHub
- Create new repository





Verify your account

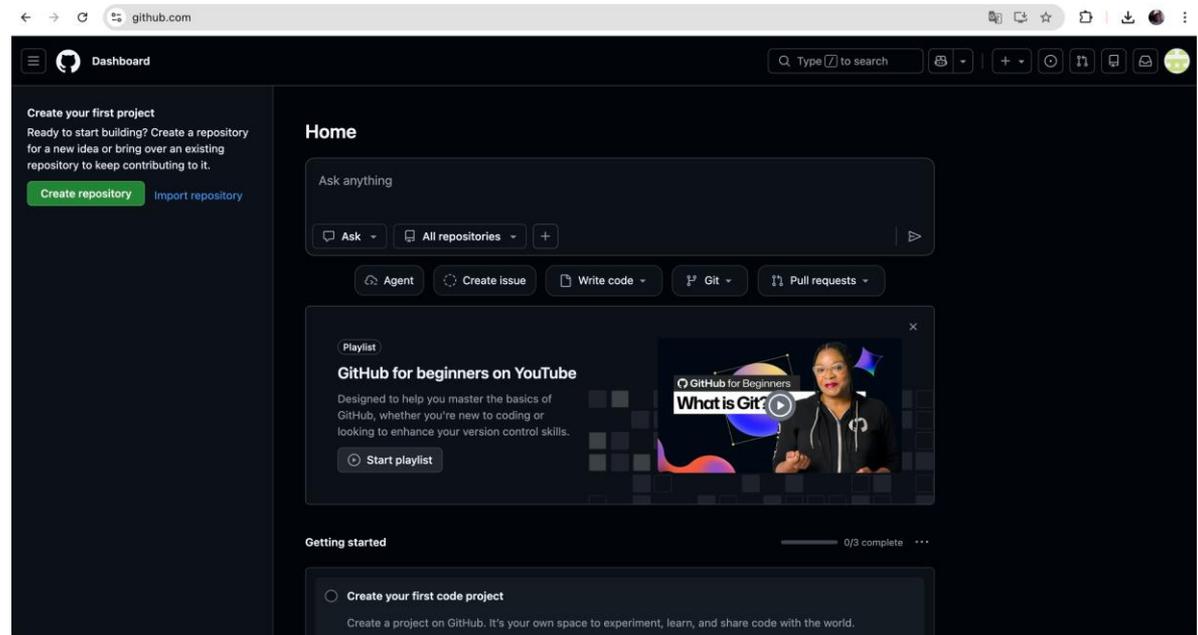
Use the Arrows to match the icons inside the bubbles with the ones shown on the left. (1 of 2)

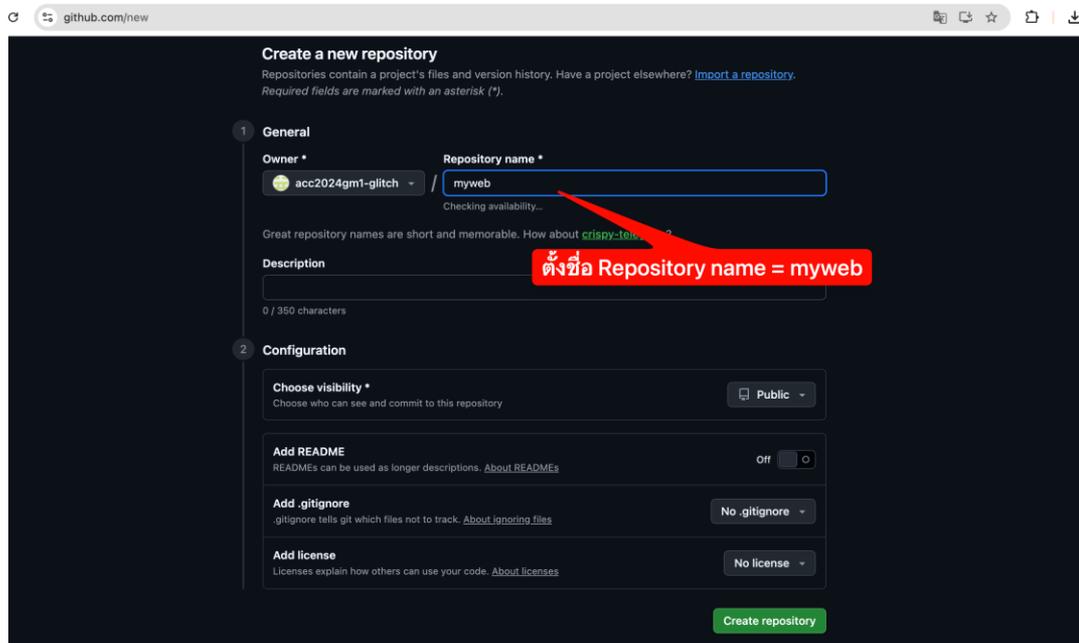
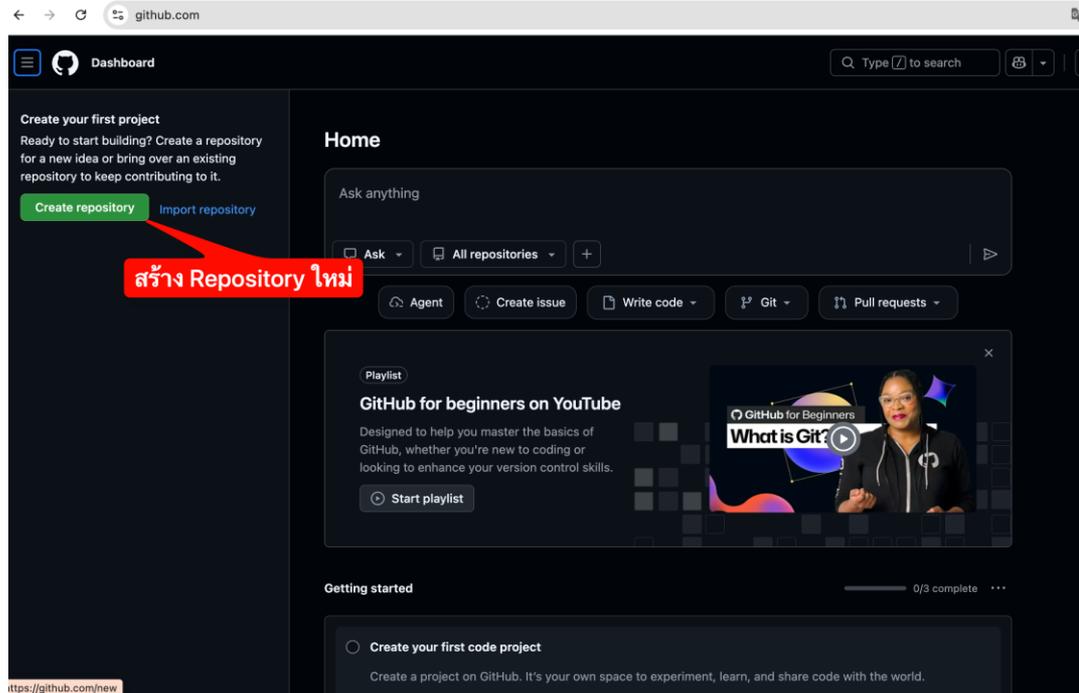


Submit

137189e3183105c59.2799667904

🔊 Audio puzzle
🔄 Restart





Step 2: Upload Files

- Upload files inside dist/
- Make sure index.html is root

github.com/acc2024gm1-glitch/myweb

acc2024gm1-glitch / myweb

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

myweb Public

Pin Watch 0 Fork 0 Star 0

Set up GitHub Copilot
Use GitHub's AI pair programmer to autocomplete suggestions as you code.
[Get started with GitHub Copilot](#)

Add collaborators to this repository
Search for people using their GitHub username or email address.
[Invite collaborators](#)

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) `https://github.com/acc2024gm1-glitch/myweb.git`

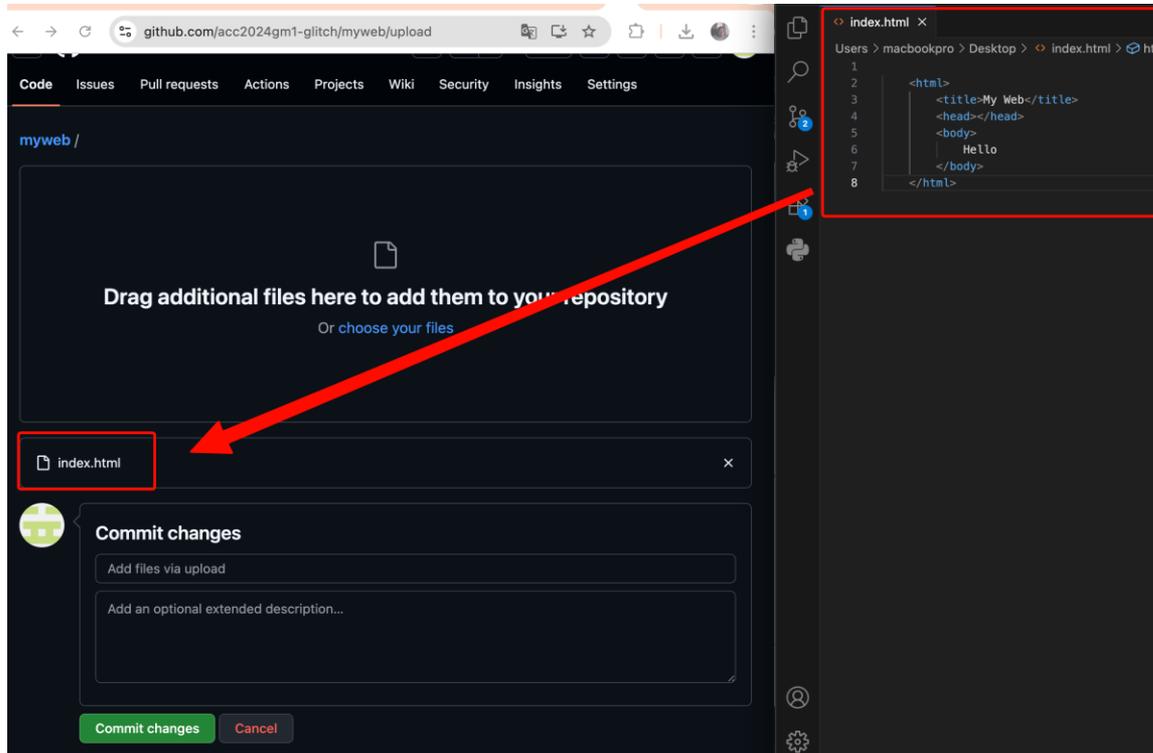
Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# myweb" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/acc2024gm1-glitch/myweb.git
git push -u origin main
```

คลิก uploading

สร้างไฟล์ index.html และ upload



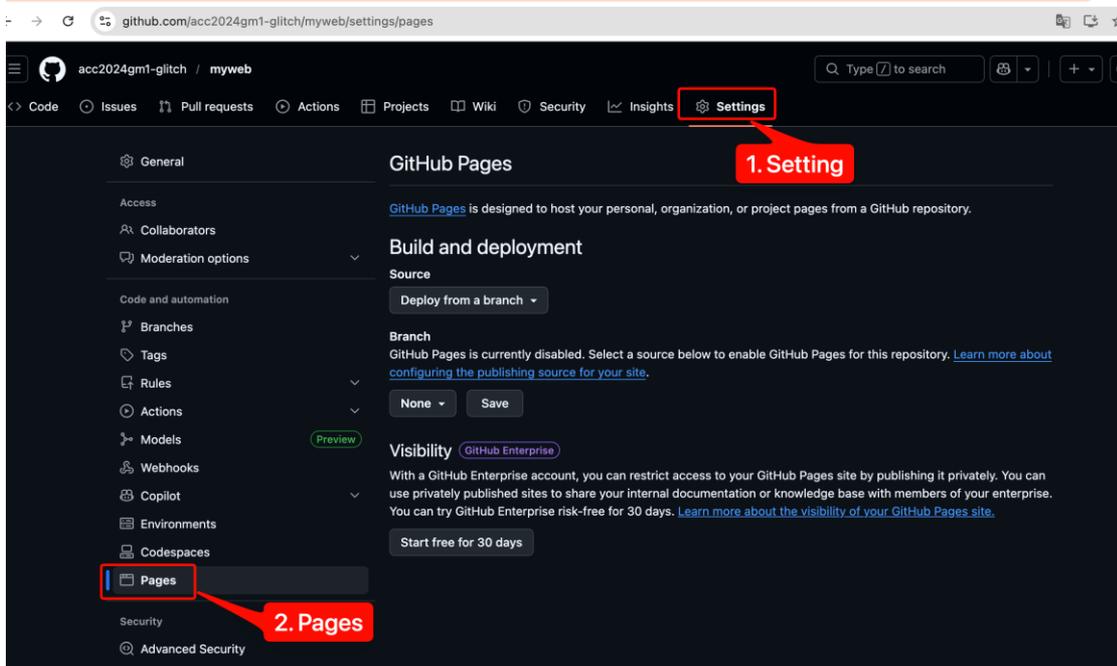
The image shows a screenshot of a GitHub repository page for a user named 'acc2024gm1-glitch' in the 'myweb' repository. The main area displays a message: "Drag additional files here to add them to your repository" with a sub-link "Or choose your files". Below this, a file named "index.html" is shown in a list, highlighted with a red box. A red arrow points from this file to a code editor window on the right. The code editor shows the content of index.html:

```
1 <html>
2   <title>My Web</title>
3 </head>
4 <body>
5   Hello
6 </body>
7 </html>
```

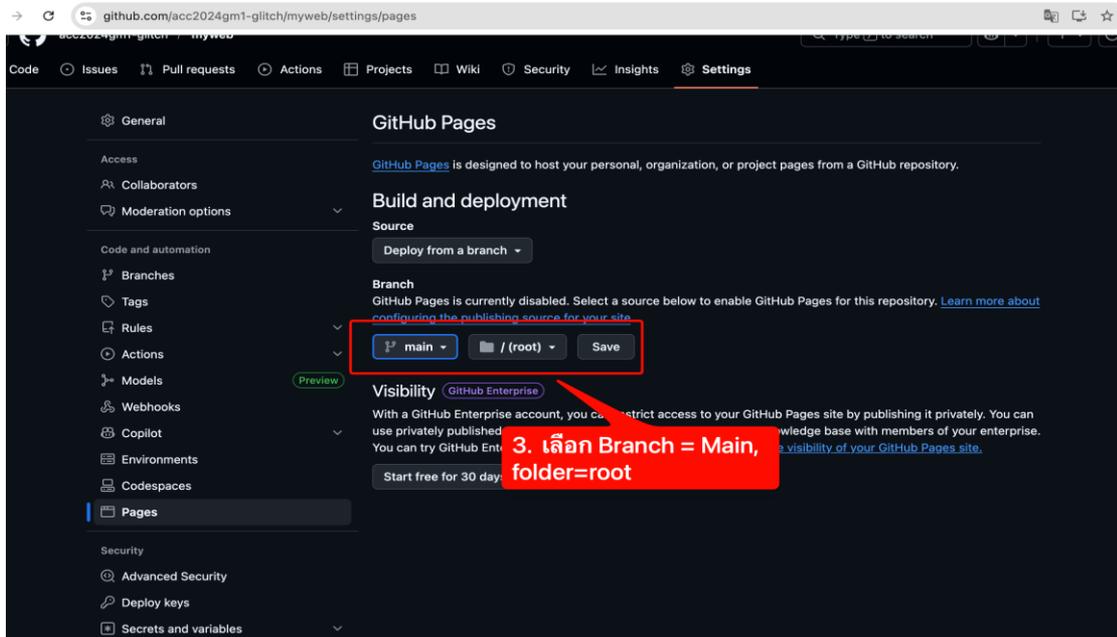
At the bottom of the repository page, there is a "Commit changes" section with a text input for "Add files via upload" and a larger text area for "Add an optional extended description...". The "Commit changes" button is highlighted in green, and a "Cancel" button is next to it.

Step 3: Enable Pages

- Go to Settings > Pages
- Select branch main and root folder



•Branch: main. Folder: / (root)





acc2024gm1-github.io/myweb/

Hello

Deploy Ionic to GitHub Pages

- Step-by-step guide for beginners



STEP 1: ติดตั้ง Node.js



เข้าเว็บ: <https://nodejs.org>

แล้วโหลดเวอร์ชัน **LTS**



ตรวจสอบว่าลงสำเร็จ

เปิด Terminal / CMD:

```
node -v
```

```
npm -v
```

ถ้าขึ้นเวอร์ชัน = ใช้งานได้



STEP 2: ติดตั้ง Ionic CLI

พิมพ์:

```
npm install -g @ionic/cli
```



ตรวจสอบ

```
ionic -v
```



STEP 3: สร้างโปรเจกต์แรก

ionic start MyWeb blank

ระบบจะถาม:

Framework → เลือก Angular (แนะนำ)

Template → blank



เข้าโฟลเดอร์

cd MyWeb



STEP 4: รันแอป

ionic serve



จะเปิดเว็บอัตโนมัติ

(ประมาณ <http://localhost:8100>)

กด ctrl+c ย้ำๆ เพื่อปิด cmd



(เสริม) ทำเป็นแอปมือถือ

ถ้าจะรัน Android:

ติดตั้ง **Android Studio**

แล้วรัน:

ionic capacitor add android

ionic capacitor run android

Step 1: Build Project

- Run: **ionic build**
- This creates the **www/** folder (ของเก่าจะใช้ **dist/** folder)

```
MyWeb -- zsh -- 90x28
[macbookpro@MacbookPros-MacBook-Pro MyWeb %
macbookpro@MacbookPros-MacBook-Pro MyWeb % ionic build

> ng run app:build

Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.dev/cli/analytics.

[ No
Global setting: not set
Local setting: disabled
Effective status: disabled
Initial chunk files | Names          | Raw size | Estimated transfer size
chunk-B56XEEXR.js   | -              | 339.27 kB | 84.92 kB
styles-6KTEQGYX.css | styles         | 46.42 kB  | 5.46 kB
chunk-73RBA60P.js   | -              | 36.20 kB  | 12.57 kB
polyfills-TDCRLYLK.js | polyfills      | 34.65 kB  | 11.33 kB
chunk-3JNCBA4B.js   | -              | 10.16 kB  | 2.63 kB
chunk-E7Z2VVXK.js   | -              | 9.03 kB   | 3.34 kB
chunk-YJ5TA4PT.js   | -              | 5.74 kB   | 2.13 kB
chunk-UEXYWWPB.js   | -              | 2.00 kB   | 770 bytes
chunk-2NIBOUWM.js   | -              | 998 bytes | 998 bytes
chunk-3FRJFQHT.js   | -              | 971 bytes | 971 bytes
main-NISDCOWB.js    | main          | 960 bytes | 960 bytes
chunk-QC4EDGZC.js   | -              | 932 bytes | 932 bytes
chunk-MXMRLQOG.js   | -              | 833 bytes | 833 bytes
chunk-4CLCTAJ7.js   | -              | 830 bytes | 830 bytes
```

Upload www to github

1.

2.เลือก add file Upload Files

1. เลือก all files ใน www แล้วลากไป upload

2. ลากมาไว้ตรงนี้

Commit changes

Add files via upload

Add an optional extended description...

Commit directly to the `main` branch.

Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes Cancel

Slide 16 of 20 English (Thailand) Accessibility: Investigate

chunk-YXOAFXXD.js	×
index.html	×
main-NISDCOWB.js	×
polyfills-TDCRLYKL.js	×
prerendered-routes.json	×
styles-6KTEQGYX.css	×



Commit changes

Add files via upload

Add an optional extended description of your changes

- Commit directly to the main branch.
- Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes Cancel

3. ลากเสร็จกด Commit changes

Open website

github.com/acc2024gm1-glitch/myweb/settings/pages

acc2024gm1-glitch / myweb

Code Issues Pull requests Actions Projects Wiki Security Insights **Settings**

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Models Preview

Webhooks

Copilot

Environments

Codespaces

Pages

Security

Advanced Security

Deploy keys

GitHub Pages

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

Your site is live at <https://acc2024gm1-glitch.github.io/myweb/>
Last deployed by acc2024gm1-glitch 1 minute ago

Visit site Unpublish site

Build and deployment

Source

Deploy from a branch

Branch

Your GitHub Pages site is currently being built from the main branch. [Learn more about configuring the publishing source for your site.](#)

main / (root) Save

Learn how to [add a Jekyll theme](#) to your site.

Your site was last deployed to the `github-pages` environment by the `pages build and deployment` workflow. [Learn more about deploying to GitHub Pages using custom workflows](#)

Custom domain

Custom domains allow you to serve your site from a domain other than `acc2024gm1-glitch.github.io`. [Learn more about configuring custom domains.](#)

Save Remove

os://acc2024am1-alltch.aithub.io/myweb/

Blank

Ready to create an app?

Start with [Ionic UI Components](#)

จะได้ Page แบบ ionic

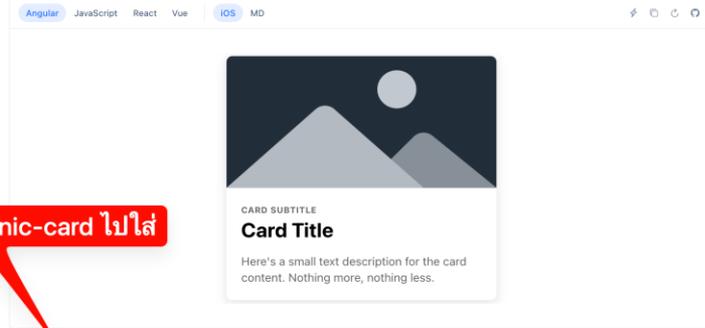
กดเข้าไปดูที่ [UI Components](#) เพื่อลองปรับแต่งหน้า Design

วิธีแก้ไขไฟล์ ionic

- 1. จะต้องเอา **Visual Studio** เปิด **file** ที่อยู่บนเครื่องเราแล้วทำการแก้ไข
- 2. แล้วค่อยใช้ **ionic build** แล้วโยนไฟล์ใน **www** ไปที่ **github**

Media Cards

- Badge
 - ion-badge
- Breadcrumbs
 - ion-breadcrumb
 - ion-breadcrumbs
- Button
 - ion-button
 - ion-ripple-effect
- Card
 - ion-card**
 - ion-card-content
 - ion-card-header
 - ion-card-subtitle
 - ion-card-title
- Checkbox
 - ion-checkbox
- Chip
 - ion-chip
- Content
 - ion-app
 - ion-content



ลองเอาตัวอย่าง ionic-card ไปใส่

```
src/app/example.component.html TS src/app/example.components.ts

<ion-card>
  
  <ion-card-header>
    <ion-card-title>Card Title</ion-card-title>
    <ion-card-subtitle>Card Subtitle</ion-card-subtitle>
  </ion-card-header>
  <ion-card-content>
    Here's a small text description for the card content. Nothing more, nothing less.
  </ion-card-content>
</ion-card>
```

อย่าลืมเอา tag IonCard ไปเรียกใช้ในไฟล์ ts ของไฟล์ html ที่กำลังแก้ด้วย

```
src/app/example.component.html TS src/app/example.components.ts

import { Component } from '@angular/core';
import { IonCard, IonCardContent, IonCardHeader, IonCardSubtitle, IonCardTitle } from 'ionic/angular/standalone';

@Component({
  selector: 'app-example',
  templateUrl: 'example.component.html',
  styleUrls: ['example.component.css'],
  imports: [IonCard, IonCardContent, IonCardHeader, IonCardSubtitle, IonCardTitle],
})
export class ExampleComponent {}
```

```
home_page.html M TS home_page.ts M X

src > app > home > TS home_page.ts > ...
1 import { Component } from '@angular/core';
2 import { IonHeader, IonToolbar, IonTitle, IonContent, IonCard, IonCardContent, IonCardHeader, IonCardSubtitle, IonCardTitle } from
3
4 @Component({
5   selector: 'app-home',
6   templateUrl: 'home.page.html',
7   styleUrls: ['home.page.scss'],
8   imports: [IonHeader, IonToolbar, IonTitle, IonContent, IonCard, IonCardContent, IonCardHeader, IonCardSubtitle, IonCardTitle ],
9 })
10 export class HomePage {
11   constructor() {}
12 }
```

```
MyWeb
EXPLORER
  MYWEB
  > .angular
  > .vscode
  > node_modules
  > src
  > app
  > home
  > home_page.html
  > home_page.scss
  > home_page.spec.ts
  > home_page.ts
  > app.component.html
  > app.component.scss
  > app.component.spec.ts
  > app.component.ts
  > app.routes.ts
  > assets
  > environments
  > theme
  > global.scss
  > index.html
  > main.ts
  > polyfills.ts
  > test.ts
  > zone-flags.ts
  > www
  > browserlistrc
  > editorconfig
  > eslintrc.json
  > gitignore
  > angular.json

home_page.html
src > app > home > home_page.html > ion-content > div#container
1 <ion-header [translucent]="true">
2   <ion-toolbar>
3     <ion-title>
4       Blank
5     </ion-title>
6   </ion-toolbar>
7 </ion-header>
8
9 <ion-content [fullscreen]="true">
10  <ion-header collapse="condense">
11    <ion-toolbar>
12      <ion-title size="large">Blank</ion-title>
13    </ion-toolbar>
14  </ion-header>
15
16  <div id="container">
17
18    <ion-card>
19      
20      <ion-card-header>
21        <ion-card-title>Card Title</ion-card-title>
22        <ion-card-subtitle>Card Subtitle</ion-card-subtitle>
23      </ion-card-header>
24
25      <ion-card-content>
26        Here's a small text description for the card content. Nothing more, nothing less.
27      </ion-card-content>
28    </ion-card>
29
30    <strong>Ready to create an app?</strong>
31    <p>Start with Ionic => a target="blank" rel="noopener noreferrer" href="https://ionicframework.com/docs/components">UI Components</p>
32  </div>
33 </ion-content>
34
```

ก่อนเอาขึ้น **github** ร่องแเสดงผลก่อน

- cmd พิมพ์ **ionic serve**

การเอารูปสามารถหารูปมาใส่ใน folder asset

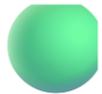
- แก้ไข src ใน tag image

The image shows a workflow for updating an image in an Ionic application. On the left, the VS Code Explorer shows the file structure with the `assets` folder highlighted. A red box around `assets` is labeled "2. ลากรูปที่ต้องการมาวางใน assets". The main editor shows the `home.page.html` file with the `` tag highlighted. A red box around this tag is labeled "1. เปิดไฟล์ที่ต้องการแก้". A red arrow points from the `assets` folder to the `src` attribute, and another red box labeled "3. เรียกใช้งาน" points to the `src` attribute. On the right, a browser window shows the rendered page with a placeholder text "Blank". Below the browser, a close-up of the rendered card shows a dog's face, with the text "Card Title", "Card Subtitle", and "Here's a small text description for the card content. Nothing more, nothing less." below it.

หน้าแสดงผลจากคำสั่ง `ionic serve` จะมีภาพขึ้นมา →

การสร้างหน้าใหม่ และการทำ link

(อย่าลืมปิดserve ก่อน ctrl+c ย้ำๆ)



STEP 1: สร้างหน้าใหม่

พิมพ์คำสั่ง:

ionic generate page page2

```
macbookpro@macbookpro: ~ % cd /Users/macbookpro/MyWeb && ionic generate page page2
[macbookpro@MacbookPros-MacBook-Pro MyWeb % ionic generate page page2
> ng generate page page2 --project=app
CREATE src/app/page2/page2.page.scss (0 bytes)
CREATE src/app/page2/page2.page.html (300 bytes)
CREATE src/app/page2/page2.page.spec.ts (439 bytes)
CREATE src/app/page2/page2.page.ts (539 bytes)
UPDATE src/app/app.routes.ts (358 bytes)
[OK] Generated page!
macbookpro@MacbookPros-MacBook-Pro MyWeb %
```



STEP 2: สร้าง UI หน้า Page2

แก้ไข page2.page.html

<ion-header>

<ion-toolbar>

<ion-title>Page 2</ion-title>

</ion-toolbar>

</ion-header>

<ion-content>

<h1>นี่คือหน้า Page 2 🎉 </h1>

</ion-content>

```
src > app > page2 > page2.page.html > ion-header
1 <ion-header [translucent]="true">
2   <ion-toolbar>
3     <ion-title>page2</ion-title>
4   </ion-toolbar>
5 </ion-header>
6
7 <ion-content [fullscreen]="true">
8   <ion-header collapse="condense">
9     <ion-toolbar>
10     <ion-title size="large">page2</ion-title>
11     </ion-toolbar>
12   </ion-header>
13 </ion-content>
14
```



STEP 3: ตั้งค่า route (ถ้าเวอร์ชันใหม่ข้ามขั้นตอนนี้ไปเลยเพราะระบบทำให้แล้ว)

เปิดไฟล์:

src/app/app.routes.ts

เพิ่ม:

```
{  
  path: 'page2',
```

```
loadComponent: () => import('./page2/page2.page').then(m => m.Page2Page)
```

```
src > app > TS app.routes.ts > routes  
1 import { Routes } from '@angular/router';  
2  
3 export const routes: Routes = [  
4   {  
5     path: 'home',  
6     loadComponent: () => import('./home/home.page').then((m) => m.HomePage),  
7   },  
8   {  
9     path: '',  
10    redirectTo: 'home',  
11    pathMatch: 'full',  
12  },  
13  ],  
14  {  
15    path: 'page2',  
16    loadComponent: () => import('./page2/page2.page').then(m => m.Page2Page)  
17  },  
18  ];
```



STEP 4: ใส่ปุ่มในหน้า Home

```
src > app > home > < home.page.html > < ion-content > < div#container > < p > < a  
1 <ion-header [translucent]="true">  
2   <ion-toolbar>  
3     <ion-title>  
4       Blank  
5     </ion-title>  
6   </ion-toolbar>  
7 </ion-header>  
8  
9 <ion-content [fullscreen]="true">  
10  <ion-header collapse="condense">  
11    <ion-toolbar>  
12      <ion-title size="large">Blank</ion-title>  
13    </ion-toolbar>  
14  </ion-header>  
15  
16  <div id="container">  
17    <ion-card>  
18        
19      <ion-card-header>  
20        <ion-card-title>Card Title</ion-card-title>  
21        <ion-card-subtitle>Card Subtitle</ion-card-subtitle>  
22      </ion-card-header>  
23  
24      <ion-card-content>  
25        Here's a small text description for the card content. Nothing more, nothing less.  
26      </ion-card-content>  
27    </ion-card>  
28  
29    <ion-button routerLink="/page2"> ไปหน้า Page 2 </ion-button>  
30  
31  
32  
33  
34    <strong>Ready to create an app?</strong>  
35    <p>Start with Ionic <a target="_blank" rel="noopener noreferrer" href="https://ionicframework.com/docs/components">  
36  </div>  
37 </ion-content>
```

Save file ทั้งหมดด้วย

เปิด serve เพื่อดูการแสดงผล

- ไปที่ cmd พิมพ์ **ionic serve** ถ้าเจอ **error** ส่วนใหญ่เกิดจากใช้ **element** ของ **ionic** แล้วไม่ได้ประกาศในไฟล์ **.ts** เช่นการใช้ปุ่ม ดังภาพ

```
CREATE src/app/page2/page2.page.scss (0 bytes)
CREATE src/app/page2/page2.page.html (300 bytes)
CREATE src/app/page2/page2.page.spec.ts (439 bytes)
CREATE src/app/page2/page2.page.ts (539 bytes)
UPDATE src/app/app.routes.ts (358 bytes)
[OK] Generated page!
macbookpro@MacbookPro-MacBook-Pro MyWeb % ionic serve
> ng run app:serve --host=localhost --port=8100
[ng] > Building...
[ng] ✓ Building...
[ng] Application bundle generation failed. [0.599 seconds] - 2026-03-
[ng] ✖ ERROR NG8001: 'ion-button' is not a known element:
[ng] 1. If 'ion-button' is an Angular component, then verify that it
Component.imports' of this component.
[ng] 2. If 'ion-button' is a Web Component then add 'CUSTOM_ELEMENTS_
onent.schemas' of this component to suppress this message. [plugin ar
[ng] src/app/home/home.page.html:36
[ng] 30 | <ion-button>{{buttonLabel}}</ion-button>
[ng]
[ng] Error occurred during template compilation.
[ng] src/app/home/home.page.html:36:30
[ng] 6 |
[ng]
[ng]
[INFO] Waiting for file changes...
[INFO] Waiting for file changes...
[INFO] Waiting for connectivity with ng...
```

จะมีแจ้งเตือนว่าใช้ ion-button แล้วไม่รู้จัก ต้องไปเพิ่มในไฟล์ ts ของหน้าเพจนั้นด้วย

วิธีแก้ไข ไปที่ไฟล์ home.html.ts ที่จะเพิ่มปุ่ม

```
src > app > home > TS home.html.ts > HomePage > constructor
1 import { Component } from '@angular/core';
2 import { IonButton, IonButtons, IonHeader, IonToolbar, IonTitle, IonContent
3
4 @Component({
5   selector: 'app-home',
6   templateUrl: 'home.html',
7   styleUrls: ['home.html'],
8   imports: [IonButton, IonButtons, IonHeader, IonToolbar, IonTitle, IonCont
9 })
10 export class HomePage {
11   constructor() {}
12
13
```

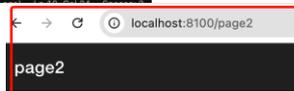
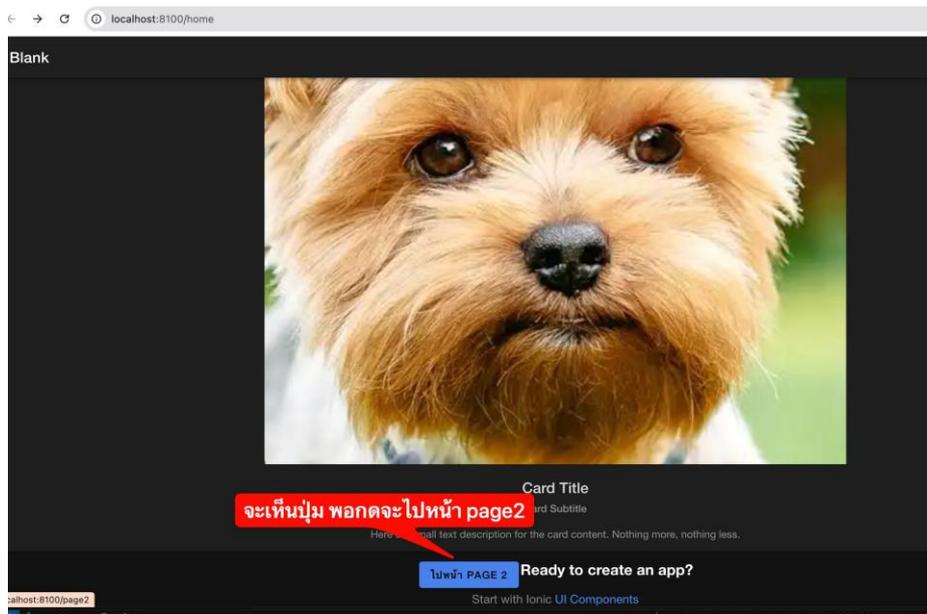
- Select
 - ion-select
 - ion-select-option
- Tabs
 - ion-tabs
 - ion-tab
 - ion-tab-bar
 - ion-tab-button
- Toast
 - ion-toast
- Toggle
 - ion-toggle
- Toolbar
 - ion-toolbar
 - ion-header
 - ion-footer
 - ion-title
 - ion-buttons**
 - ion-back-button
- Typography
 - ion-text

```
src/app/example.component.html TS src/app/example.component.ts
import { Component } from '@angular/core';
import { IonButton, IonButtons, IonTitle, IonToolbar } from '@ionic/angular/standalone';
@Component({
  selector: 'app-example',
  templateUrl: 'src/app/example.component.html',
  styleUrls: ['src/app/example.component.css'],
  imports: [IonButton, IonButtons, IonTitle, IonToolbar],
})
export class ExampleComponent {}
```

Buttons Placement

Buttons can be positioned inside of the toolbar using a named slot. The below chart has a description of each slot.

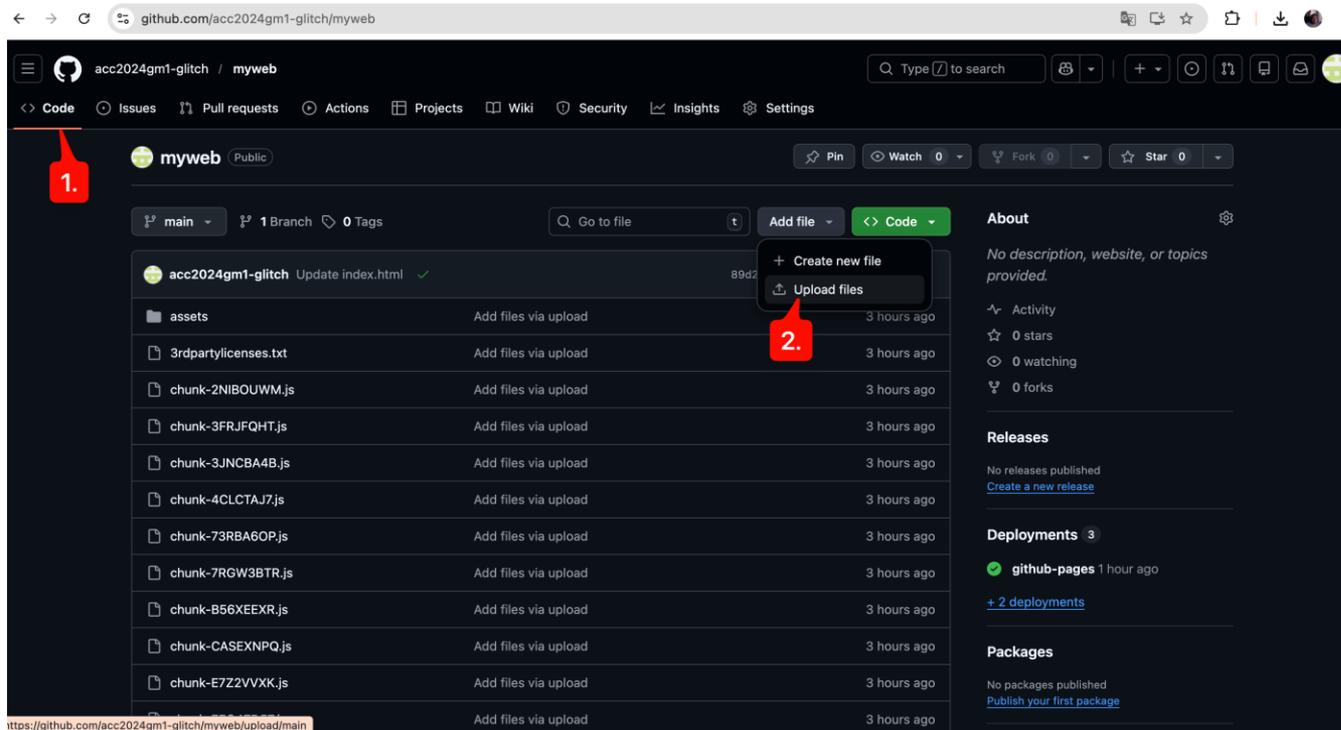
เสร็จสิ้นการสร้างหน้าและการกดปุ่มดูผลลัพธ์



มาหน้า page2 แล้วแต่ยังไม่ได้
ตกแต่งอะไร

build ขึ้น github

- Run: **ionic build** (พิมพ์ **ionic build** ใน **CMD** อีกครั้ง)
- ทำการ **copy file** ใน **www** โยนไปที่ **github** อีกครั้ง



github.com/acc2024gm1-gliitch/myweb/upload/main

acc2024gm1-gliitch / myweb

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

myweb /

Drag files here to add them to your repository
Or choose your files

Commit changes

Add files via upload

Add an optional extended description...

Commit directly to the main branch.

Create a new branch for this commit and start a pull request. [Learn more about pull requests](#)

Commit changes Cancel

master* 0 0

www

Name

- 3rdpartylicenses.txt
- assets
 - chunk-2NIBOUWM.js
 - chunk-3FRJFQHT.js
 - chunk-4CLCTAJ7.js
 - chunk-6FKY2OLX.js
 - chunk-73RBA6OP.js
 - chunk-BOOKSVNN.js
 - chunk-CASEXNPQ.js
 - chunk-EEO47D57.js
 - chunk-F4OC46G7.js
 - chunk-GFNJAZW2.js
 - chunk-H6WC3QUP.js
 - chunk-HOWBOMGR.js
 - chunk-I4KWGZBR.js
 - chunk-LUNTCZUJ.js
 - chunk-LUNTCZUJ.js
 - chunk-MG2362GR.js
 - chunk-NMFL75IO.js
 - chunk-PAKCECR5.js
 - chunk-QF7FACK7.js
 - chunk-RF6FC3FW.js
 - chunk-TFNLIM4O.js
 - chunk-YJ5TA4PT.js
 - chunk-YUNOCBLG.js
 - chunk-YXOAFFXD.js
 - chunk-ZLAOKZRV.js

Recents Shared Locations iCloud Drive Google Drive OneDrive macbookpro AirDrop Network Trash Tags Red Yellow Blue Purple Gray All Tags... Favorites Applications Desktop

ลากทั้งหมดใน www ไป upload

 polyfills-TDCRLYKL.js

 polyfills-TDCRLYKL.js

 prerendered-routes.json

 prerendered-routes.json

 styles-6KTEQGYX.css

 styles-6KTEQGYX.css



Commit changes

Add files via upload

Add an optional extended description...

upload เสร็จกด Commit Changes

 Commit directly to the `main` branch

 Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Click to go forward, h

Commit changes

Cancel

The screenshot shows the GitHub Pages settings for a repository named 'myweb'. The 'Settings' tab is highlighted in the top navigation bar. On the left sidebar, the 'Pages' option is highlighted with a red box. The main content area shows the 'GitHub Pages' section with the URL 'https://acc2024gm1-github.io/myweb/'. A red box highlights the 'Visit site' button, with a red callout bubble pointing to it containing the Thai text 'ไปที่ setting->pages แล้ว Visit Site'. Below this, the 'Build and deployment' section shows the source set to 'main' and the root directory as '/ (root)'. The 'Custom domain' section is partially visible at the bottom.

ถ้าเว็บยังแสดงผลอันเก่ารอสักครู่!

Common Issues

- White screen = wrong base href
- Routing issues = add 404.html

Summary

- Build → Upload → Enable Pages → Done!