

GUIDE

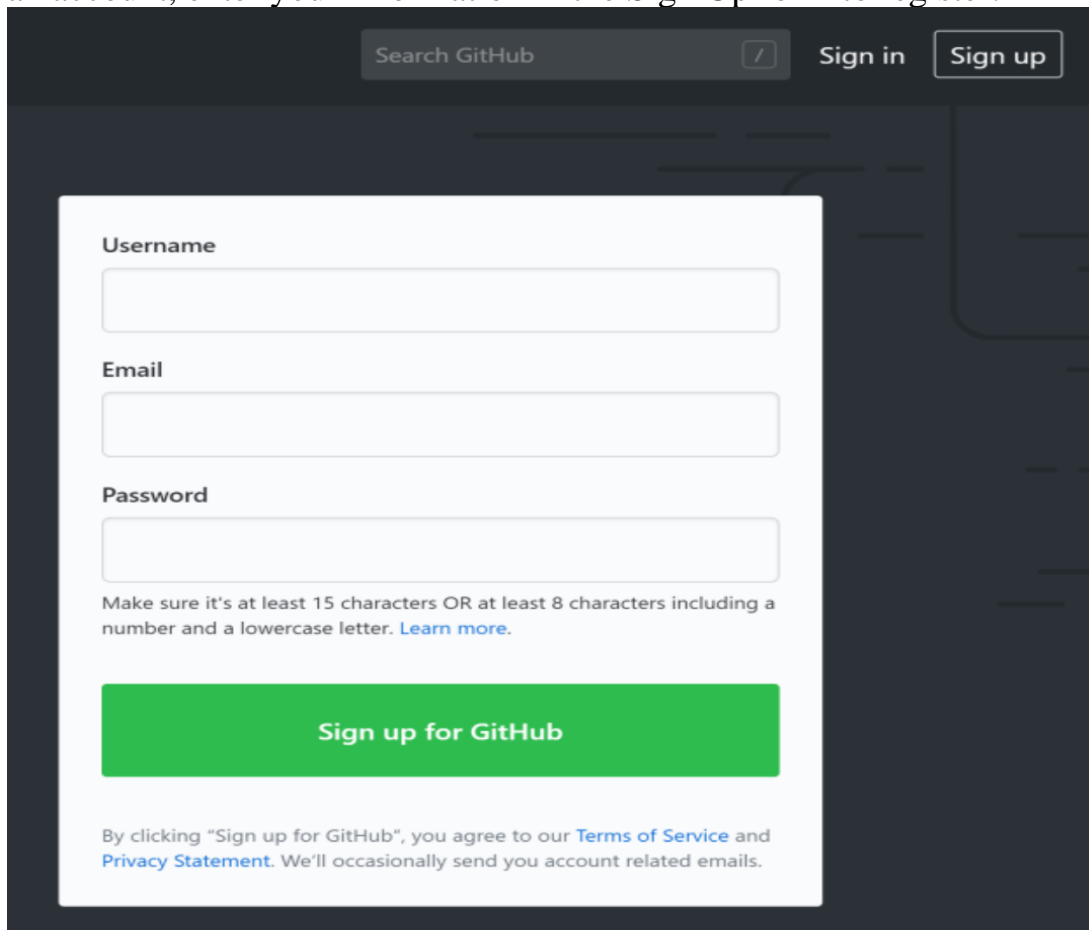
TO DEPLOYING A REACT APP TO GITHUB PAGES

GitHub Pages is a free service from GitHub that allows you to host a website directly from a repository on GitHub. It is a great tool for deploying static websites such as blogs, personal pages, or project documentation.

I. Create a Repository on GitHub.

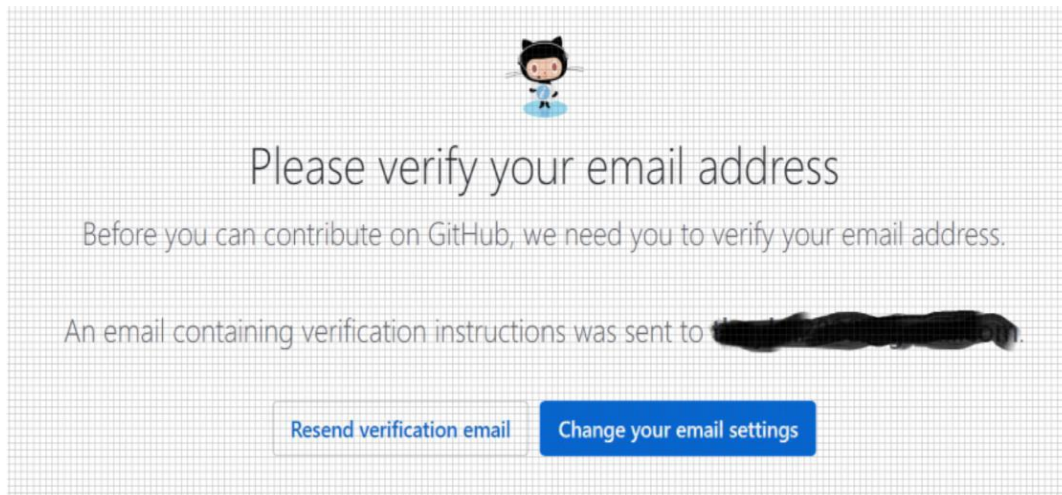
1. Create an account and log in to GitHub.

Go to <https://github.com/> to log in or sign up for an account. If you don't have an account, enter your information in the Sign Up form to register.

A screenshot of the GitHub Sign Up form. At the top, there is a search bar labeled "Search GitHub" and two buttons: "Sign in" and "Sign up". The main form is a white box with a dark background. It contains three input fields: "Username", "Email", and "Password". Below the "Password" field, there is a note: "Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)". At the bottom of the form is a large green button labeled "Sign up for GitHub". Below the button, there is a line of text: "By clicking 'Sign up for GitHub', you agree to our [Terms of Service](#) and [Privacy Statement](#). We'll occasionally send you account related emails."

After providing all the required information and completing the registration process.

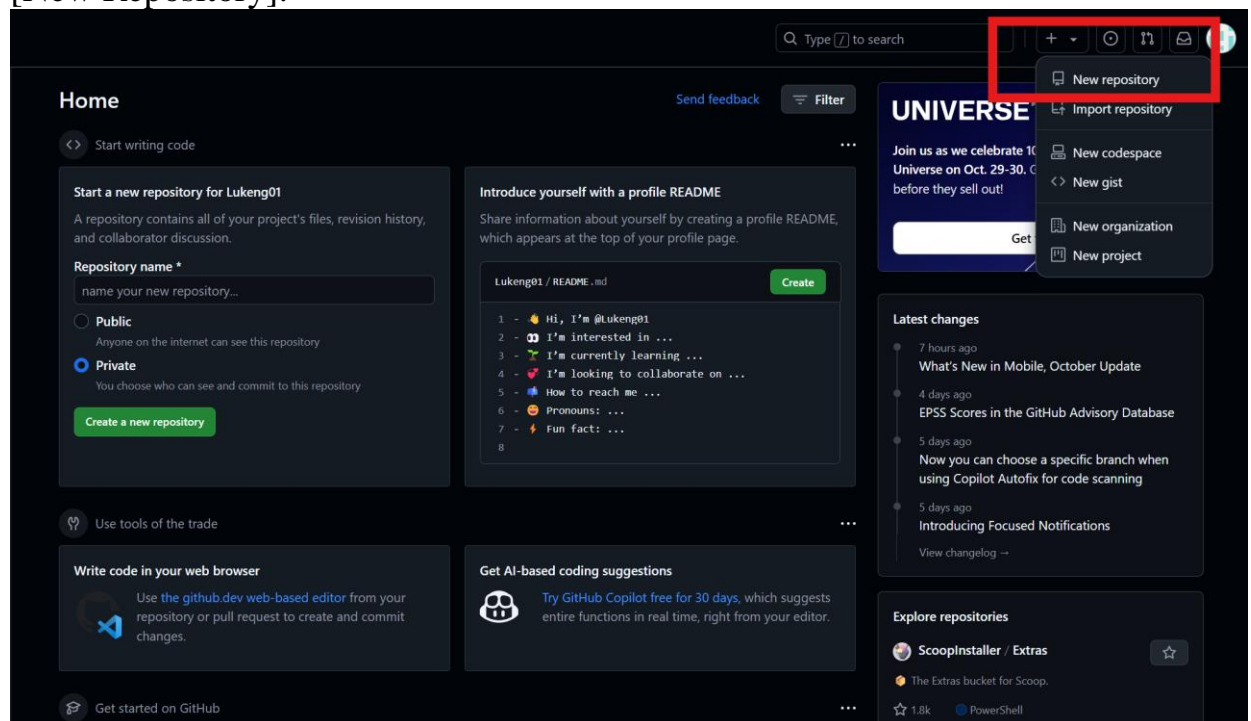
GITHUB SETUP



Check your email to see if GitHub has sent a verification link. If so, click on [Verify email address] to proceed with verification. If you haven't received it, go back to the GitHub homepage and click [Resend verification email].

2. Create a New Repository.

- Click the plus sign icon in the upper-right corner of the screen and select [New Repository].




- Name your repository, for example: Car Breezy
- Choose between Public or Private depending on your needs.
- Click Create repository to complete the process.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk ().*

Owner *

 Lukeng01

Repository name *


Car Breezy

✔ Your new repository will be created as Car-Breezy.


The repository name can only contain ASCII letters, digits, and the characters ., -, and _.

Great repository names are short and memorable. Need inspiration? How about [super-parakeet](#) ?

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.

Initialize this repository with:

☐ **Add a README file**

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore


.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

 You are creating a public repository in your personal account.

Create repository

II. Deploying a React App to GitHub Pages

Open the terminal in Visual Studio Code:

1. Install GitHub Pages

```
npm install --save gh-pages
```

2. Add to package.json File

```
"homepage": "https://sinh-nd.github.io/climbing36e",  
"predeploy": "npm run build",
```

```
"deploy": "gh-pages -d build",
```

```
{  
  "name": "session04_parent-child",  
  "version": "0.1.0",  
  "private": true,  
  "homepage": "https://Lukeng01.github.io/Group3_CarBreezy",  
  "dependencies": {  
    "@testing-library/jest-dom": "^5.17.0",  
    "@testing-library/react": "^13.4.0",  
    "@testing-library/user-event": "^13.5.0",  
    "bootstrap": "^5.3.3",  
    "gh-pages": "^6.2.0",  
    "react": "^18.3.1",  
    "react-dom": "^18.3.1",  
    "react-router-dom": "^6.26.1",  
    "react-scripts": "5.0.1",  
    "react-slick": "^0.30.2",  
    "slick-carousel": "^1.8.1",  
    "web-vitals": "^2.1.4"  
  },  
}
```

```
"scripts": {  
  "start": "react-scripts start",  
  "build": "react-scripts build",  
  "test": "react-scripts test",  
  "eject": "react-scripts eject",  
  "predeploy": "npm run build",  
  "deploy": "gh-pages -d build"  
},  
"eslintConfig": {  
  "extends": [  
    "react-app",  
    "react-app/jest"  
  ]  
},  
"browserslist": {  
  "production": [  
    ">0.2%",  
    "not dead",  
    "not op_mini all"  
  ],  
  "development": [  
    "last 1 chrome version",  
    "last 1 firefox version",  
    "last 1 safari version"  
  ]  
}  
}
```

3. Push Code to GitHub

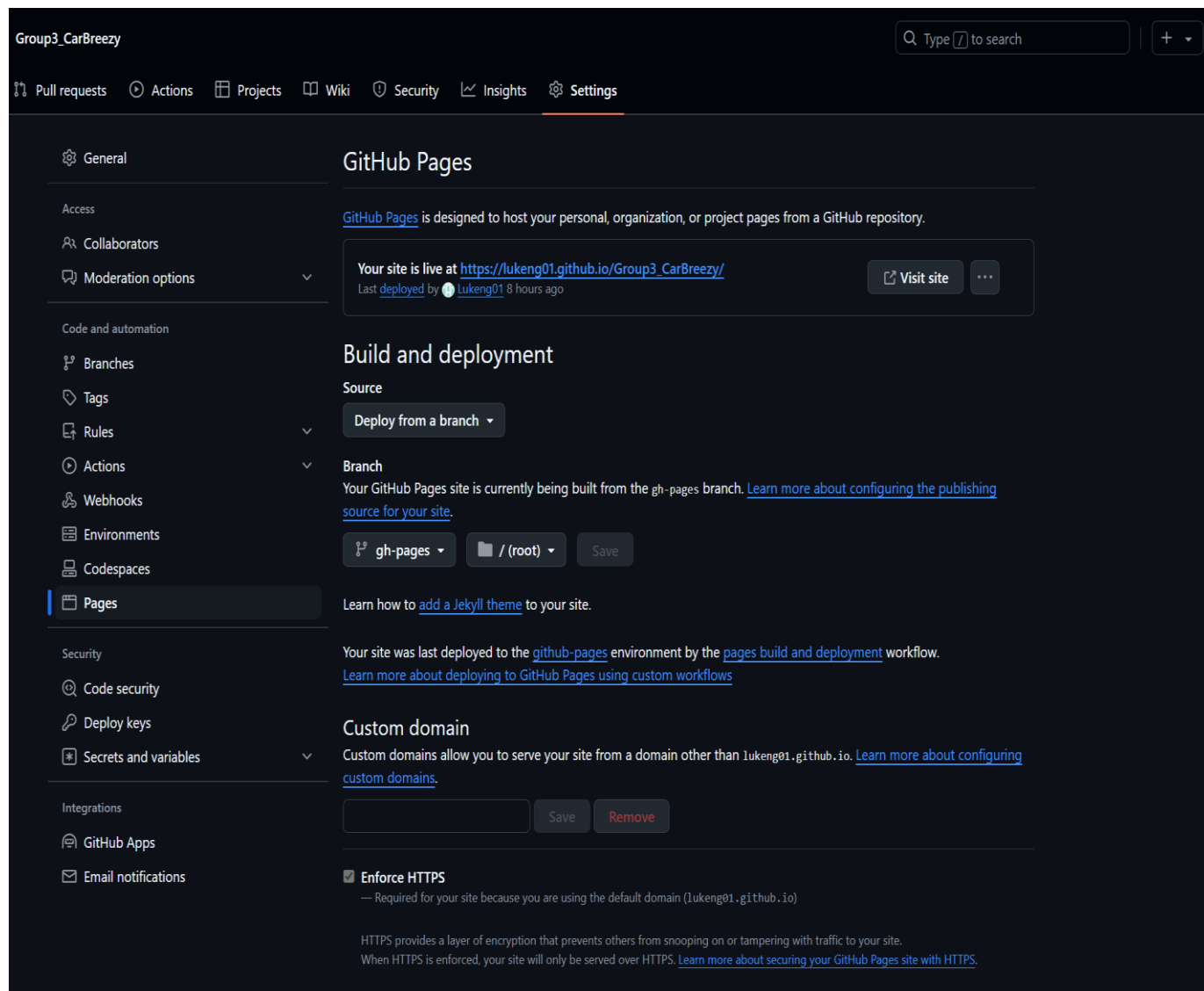
- git init
- git add .
- git commit -m "first commit"
- git branch -M main
- git remote add origin https://github.com/Lukeng01/Group3_CarBreezy
- git push -u origin main

4. Run the deploy command

- npm run deploy

GITHUB SETUP

After a successful deployment, go back to GitHub: Open your repository on GitHub, click on the "Settings" tab at the top, and scroll down to the "Pages" section. Wait for about 1-5 minutes and you should see the results as shown below.



The screenshot shows the GitHub Settings page for the repository 'Group3_CarBreezy'. The 'Settings' tab is selected in the top navigation bar. On the left sidebar, the 'Pages' section is highlighted under 'Code and automation'. The main content area is titled 'GitHub Pages' and includes the following information:

- General:** A message stating 'GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.' Below this, it says 'Your site is live at https://lukeng01.github.io/Group3_CarBreezy/' and 'Last deployed by Lukeng01 8 hours ago'. There is a 'Visit site' button.
- Build and deployment:**
 - Source:** A dropdown menu set to 'Deploy from a branch'.
 - Branch:** A message stating 'Your GitHub Pages site is currently being built from the gh-pages branch. [Learn more about configuring the publishing source for your site.](#)' Below this, there are dropdowns for 'gh-pages' and '/ (root)', followed by a 'Save' button.
 - A link: 'Learn how to [add a Jekyll theme](#) to your site.'
- Custom domain:**
 - A message: '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](#)'
 - A message: 'Custom domains allow you to serve your site from a domain other than lukeng01.github.io. [Learn more about configuring custom domains.](#)' Below this is an input field, 'Save', and 'Remove' buttons.
- Enforce HTTPS:**
 - A checked checkbox labeled 'Enforce HTTPS'.
 - A message: '— Required for your site because you are using the default domain (lukeng01.github.io)'
 - A message: 'HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more about securing your GitHub Pages site with HTTPS.](#)'