How to create a GitHub

Introduction:

GitHub is a web-based platform that provides software developers with version control and collaboration tools. Based on Git, helps developers store source code, track changes, and manage contributions from multiple team members. With GitHub, developers can collaborate more efficiently on projects and code. The platform supports public and private repositories, provides a detailed revision history, and allows multiple collaborators to collaborate on projects.
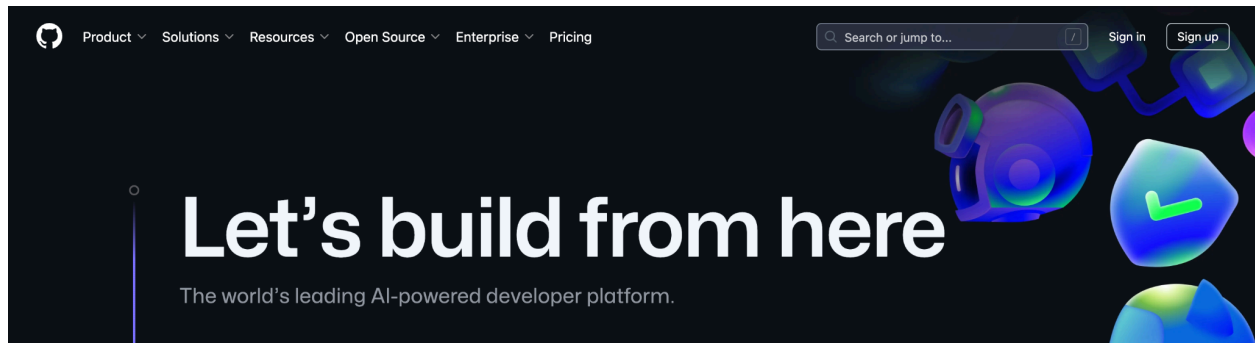
Software developers can collaborate in a centralized Git repository through GitHub and track code in real-time, dramatically increasing the productivity of development teams. GitHub ensures traceability of code history, which makes it easier to manage the contributions of multiple developers and resolve code conflicts. In addition, GitHub offers enhanced security and auditing capabilities, support for an integrated development environment (IDE), continuous integration tools, and numerous third-party applications and services to meet the diverse needs of developers.
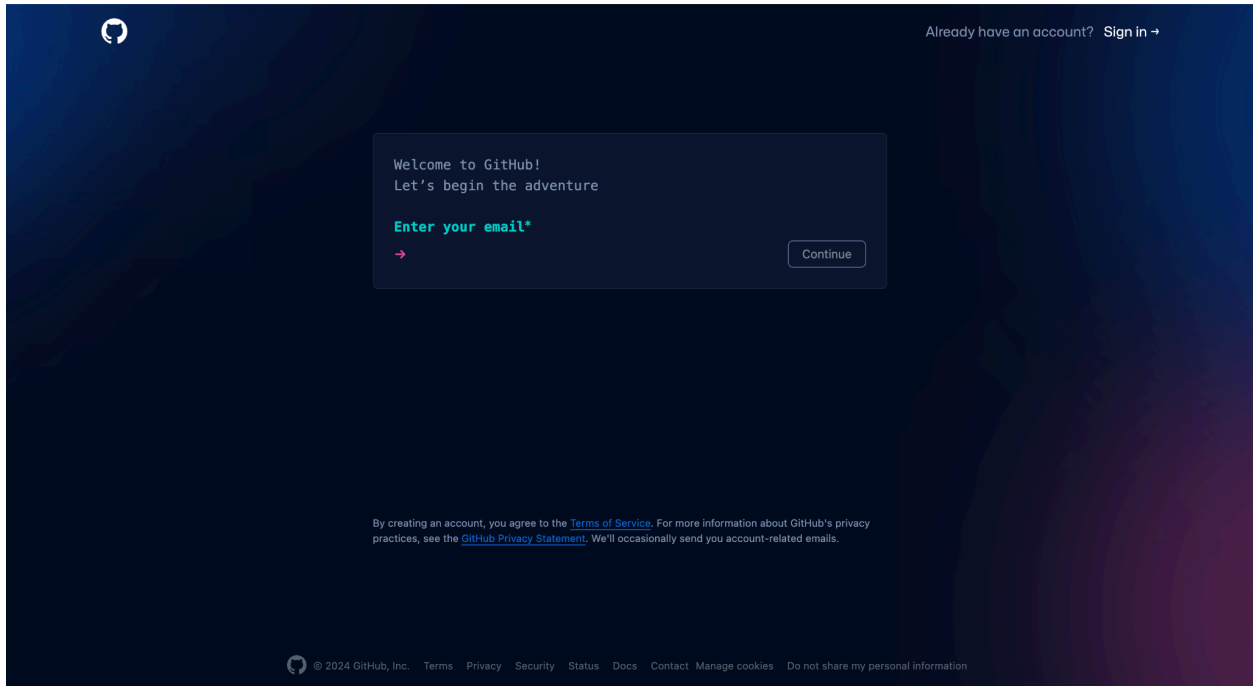
Material requirements:
- A web browser (for accessing www.github.com)
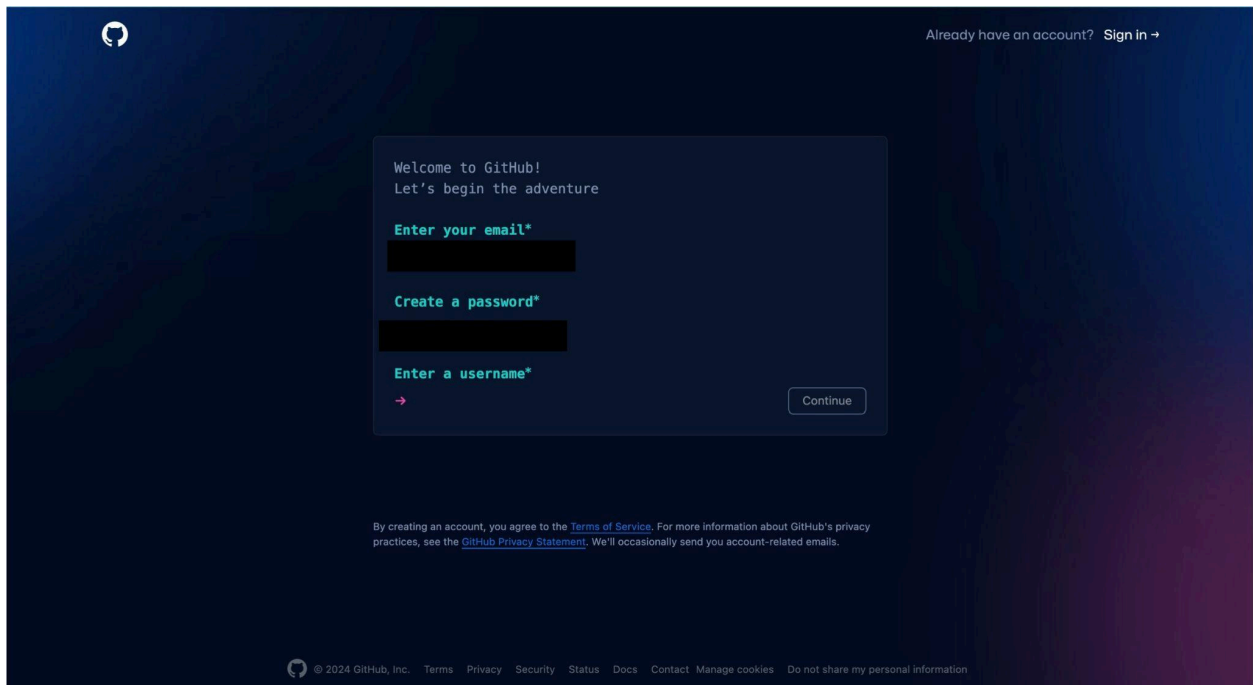
Registering a GitHub Account:
- **Step 1: Go to www.github.com**

- **Step 2: Click on the "Sign up" button**

● **Step 3: Enter your email, create a password, and choose a username**

CAUTION:
The password should be at least 15 characters long or at least 8 characters with numbers and lowercase letters.
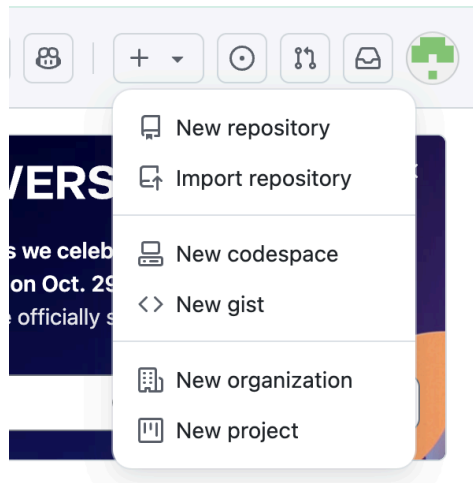Avoid easily guessable information such as name, birthday, or common words.
Don't reuse the same password on other accounts or websites.

- **Step 4: Verify your email and complete the registration**

Congrats! After completing the steps provided above, you already have your GitHub account!

Creating a New Repository:

- **Step 1: After logging in, click the "+" icon in the top right corner and select "New repository"**

- **Step 2: Enter a repository name, and choose public or private**

- **Step 4: Initial Setup, such as choosing whether to add a README file and select a license (optional)**

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.

- **Step 3: Click "Create repository" to finish**

[Create repository]

Congrats! After completing the steps provided above, you already created your new repository!

Uploading Code:

Click the "creating a new file" or "uploading an existing file" button

task1 Public

Pin   Watch 0 ▾   Fork 0 ▾   Star 0 ▾

Start coding with Codespaces
Add a README file and start coding in a secure, configurable, and dedicated development environment.

[Create a codespace]

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/keyingjia/task1.git

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

Conclusion:

Congrats! After completing the steps provided above, you have mastered how to create your own GitHub accounts, and repositories, and upload files.

To further enhance your skills and knowledge on GitHub, it is recommended to refer to the following resources:
- GitHub Official Help Page

The official GitHub documentation provides comprehensive tutorials, which can help you gain a deeper understanding of how to use the various features of GitHub: https://docs.github.com/en

- Developer Community

Participate in developer community discussions to learn from others' hands-on experiences: https://stackoverflow.com/questions/tagged/github

Work Cited:

GitHub. "Logos." GitHub, 2024, https://github.com/logos.

TechTarget. "GitHub." TechTarget, 2024, www.techtarget.com/searchitoperations/definition/GitHub.