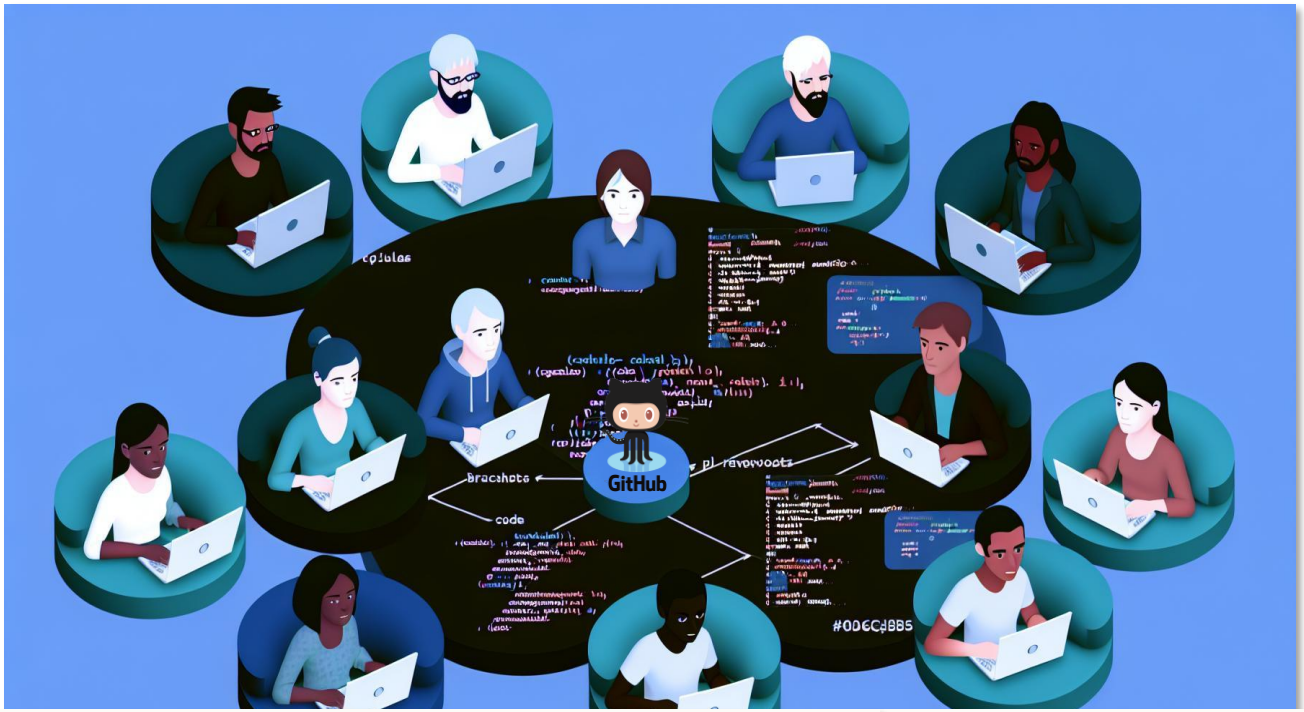
Connecting GitHub

Codyssey

Contents

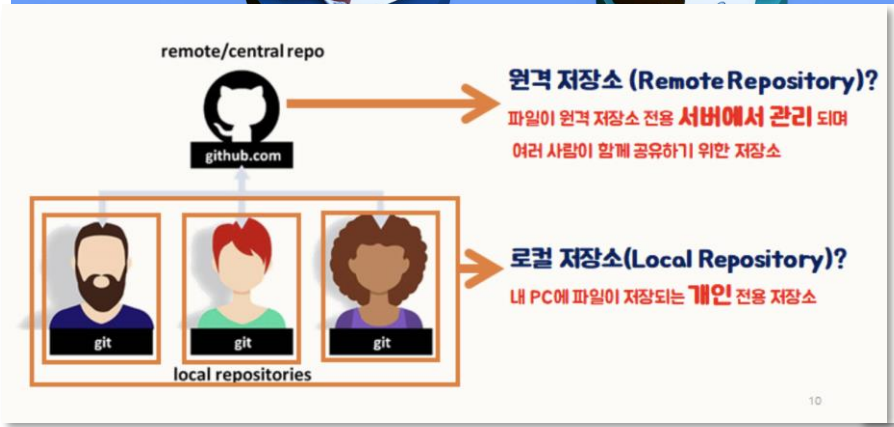
A) What is GitHub?

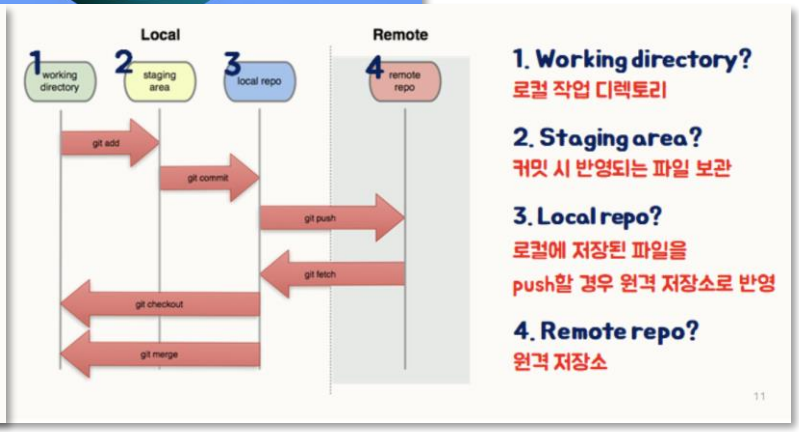
: One of the most widely used **configuration management platforms for software developers**, allowing them to track and control changes.



GitHub Basic Features

1. Remote Code Repository
2. Issue Tracking
3. Project Progress Tracking and Management
4. Code Change History Management
5. Useful for Collaborative Work among Developers





GitHub

출처 : https://aonee.tistory.com/15

Why Use GitHub?

Millions of developers around the world use it to host and share code and collaborate on projects.

It provides features and tools that help developers manage and track their code, including version control, bug tracking, and project management.

GitHub 서비스

GitHub Repository

A repository contains all of your code, your files, and each file's revision history.

GitHub Actions

GitHub Actions is a continuous integration and continuous delivery (CI/CD) platform that allows you to automate your build, test, and deployment pipeline.

GitHub Packages

GitHub Packages is a software package hosting service that allows you to host your software packages privately or publicly and use packages as dependencies in your projects.

GitHub Advanced Security (GHAS)

GitHub Advanced Security (GHAS) is a suite of security features provided by GitHub to enhance the security of your code.

GitHub Projects

Projects is an adaptable, flexible tool for planning and tracking work on GitHub.

GitHub Discussions

GitHub Discussions is a collaborative communication forum for the community around an open source or internal project.

GitHub Copilot

GitHub Copilot is an AI coding assistant that helps you write code faster and with less effort, allowing you to focus more energy on problem solving and collaboration.

GitHub Codespace

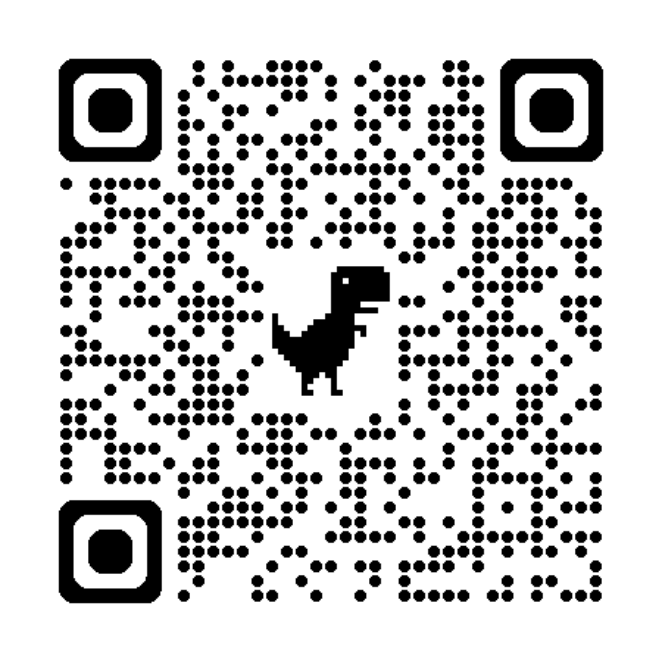
A codespace is a development environment that's hosted in the cloud. You can customize your project for GitHub Codespaces by committing configuration files to your repository (often known as Configuration-as-Code), which creates a repeatable codespace configuration for all users of your project.

A) What is GitHub?

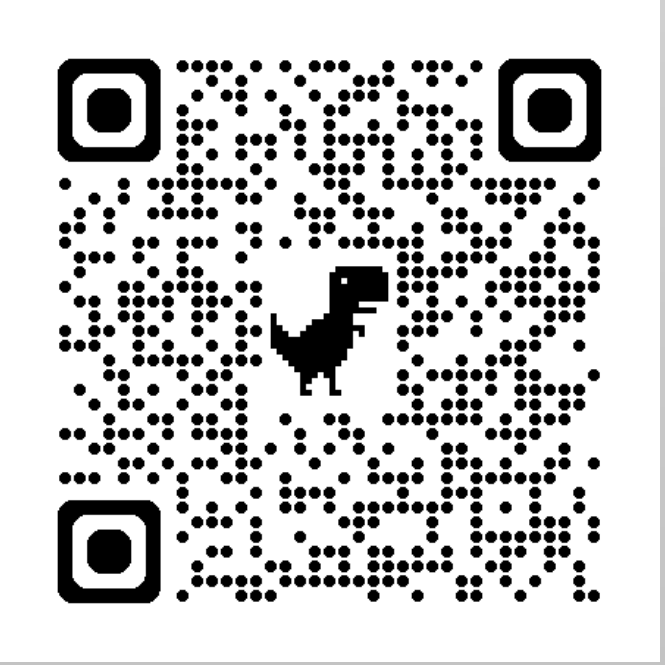
“ If Git is an app for recording videos, think of GitHub as the YouTube platform.”
- 얄팍한 코딩사전(Korean YouTuber) -

GitHub how-to videos

(Use YouTube Subtitles)



https://www.youtube.com/watch?v=FXDjmsiv8fI&t=212s



https://www.youtube.com/watch?v=Fley6IFhlC8

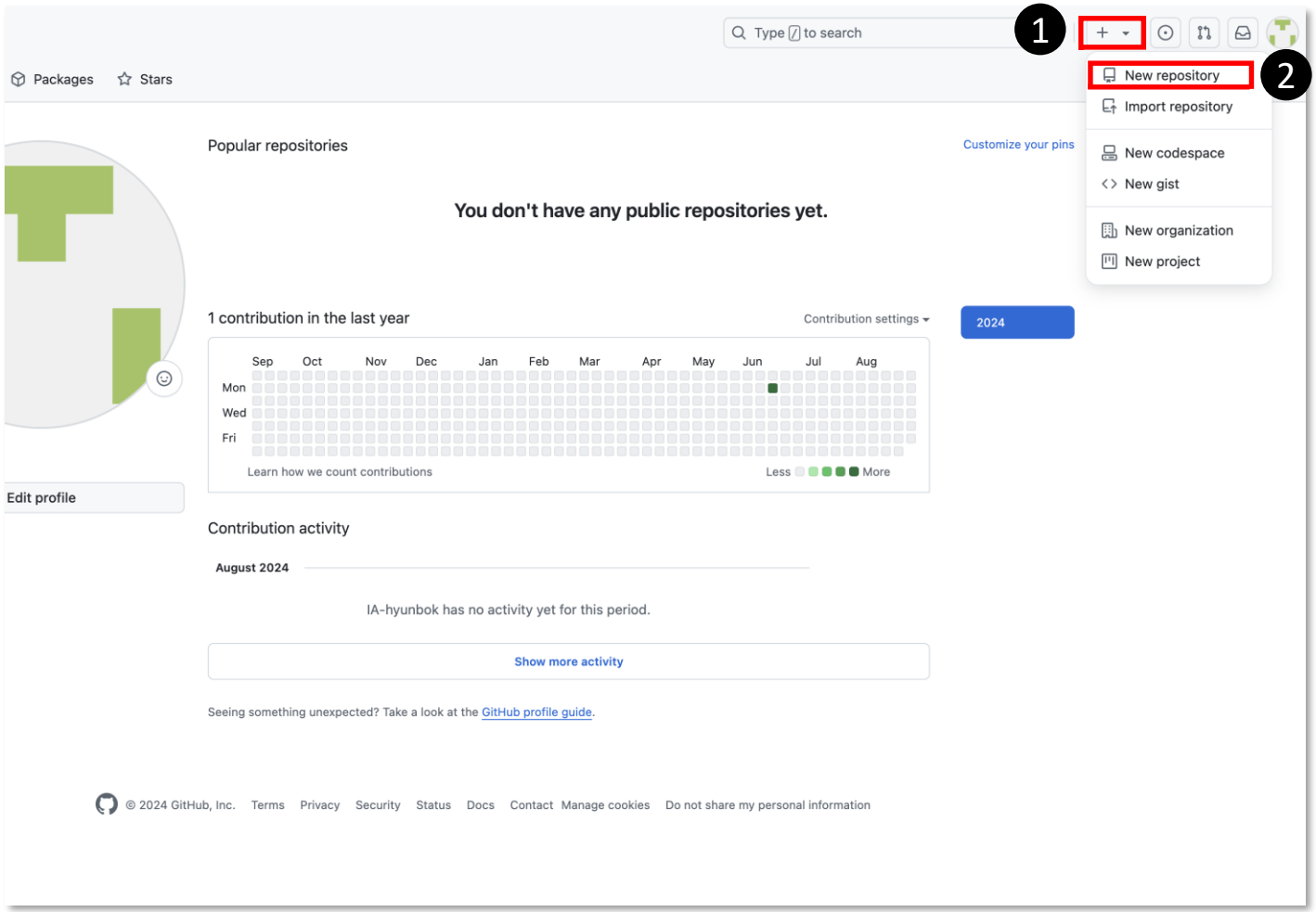
※ You need to sign up to use GitHub. ※

Please proceed with the registration.

Source : https://aonee.tistory.com/15

B) How to Use GitHub

1) How to Create a Repository

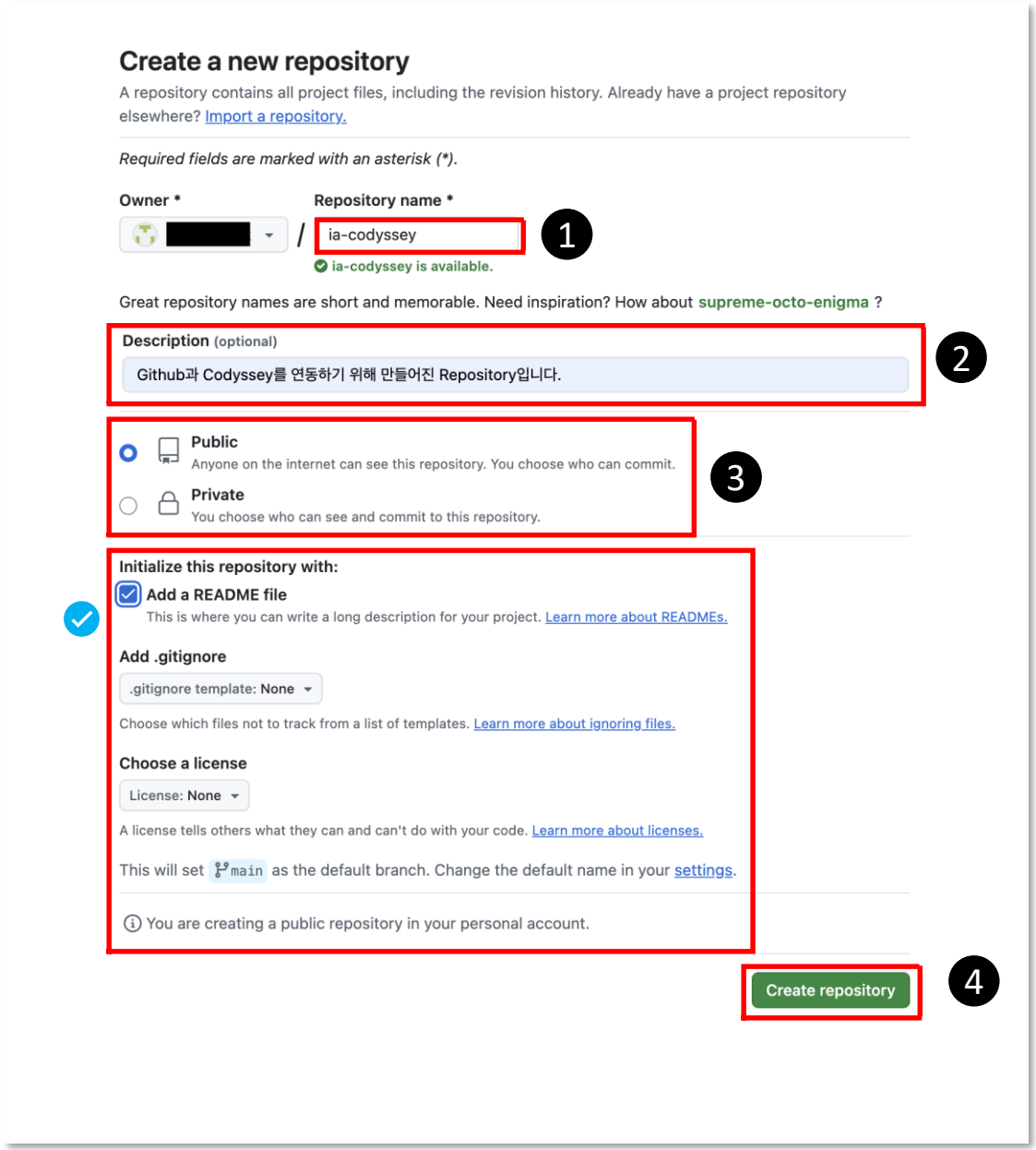


1. Go to https://github.com first.
   Log in with your personal **GitHub** account and click the **[+]** dropdown button at the top-right corner.

2. Click **[new repository]**.

B) How to Use GitHub

1) How to Create a Repository



1. Enter the name of the repository.

2. This is a field to describe what the repository is about. (Optional)

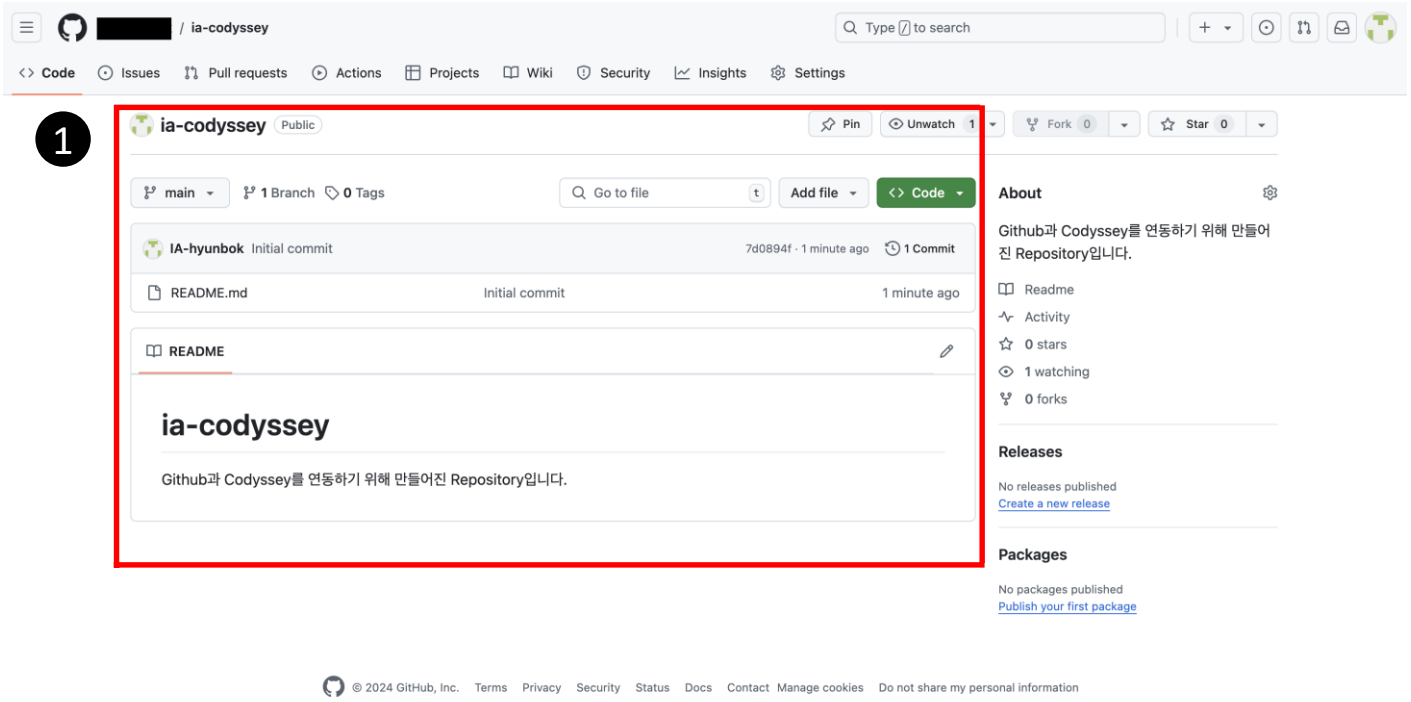
3. You can set the visibility of the repository to others.
   To use the "Codyssey" platform, select **[Public]**.

4. Once all the settings are complete, click the **[Create repository]** button to finalize the creation of the repository.

- This is the section where you can configure additional information about the repository.
  Please explore it on your own.

B) How to Use GitHub

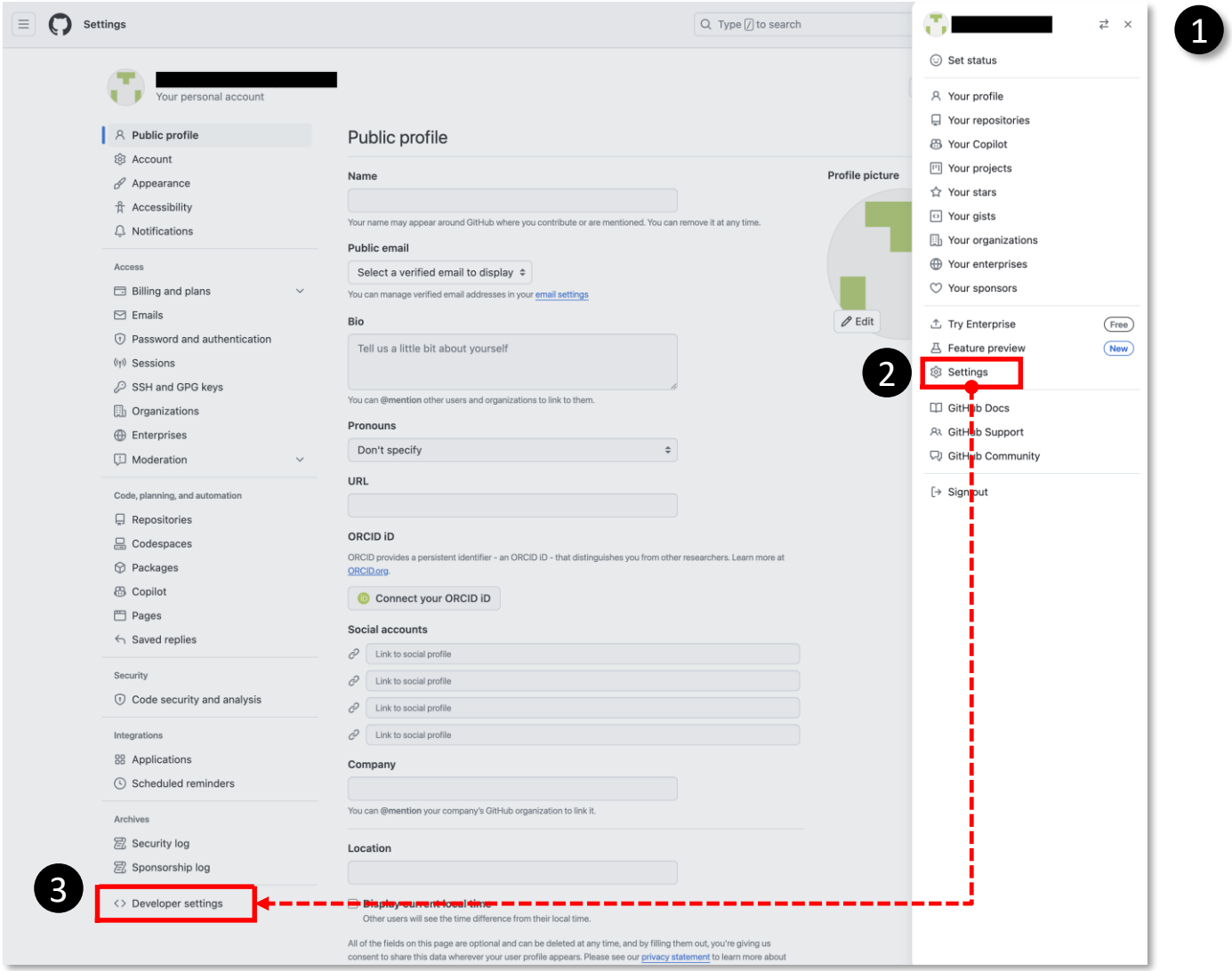
1) How to Create a Repository



1 You can view the repository you created.

C) Connecting with Codyssey

1) You can issue a token to connect Codyssey with GitHub.



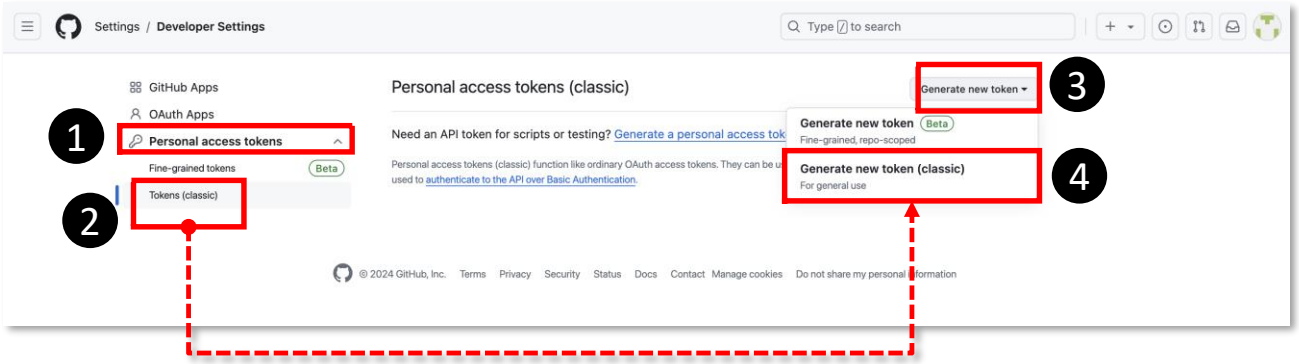
1. Go to https://github.com.
   Log in with your personal GitHub account and click your profile at the top-right corner.

2. Click the **[Settings]** button.
   This will take you to a screen like the one shown.

3. Click the **[Developer settings]** button at the very bottom of the screen.

C) Connecting with Codyssey

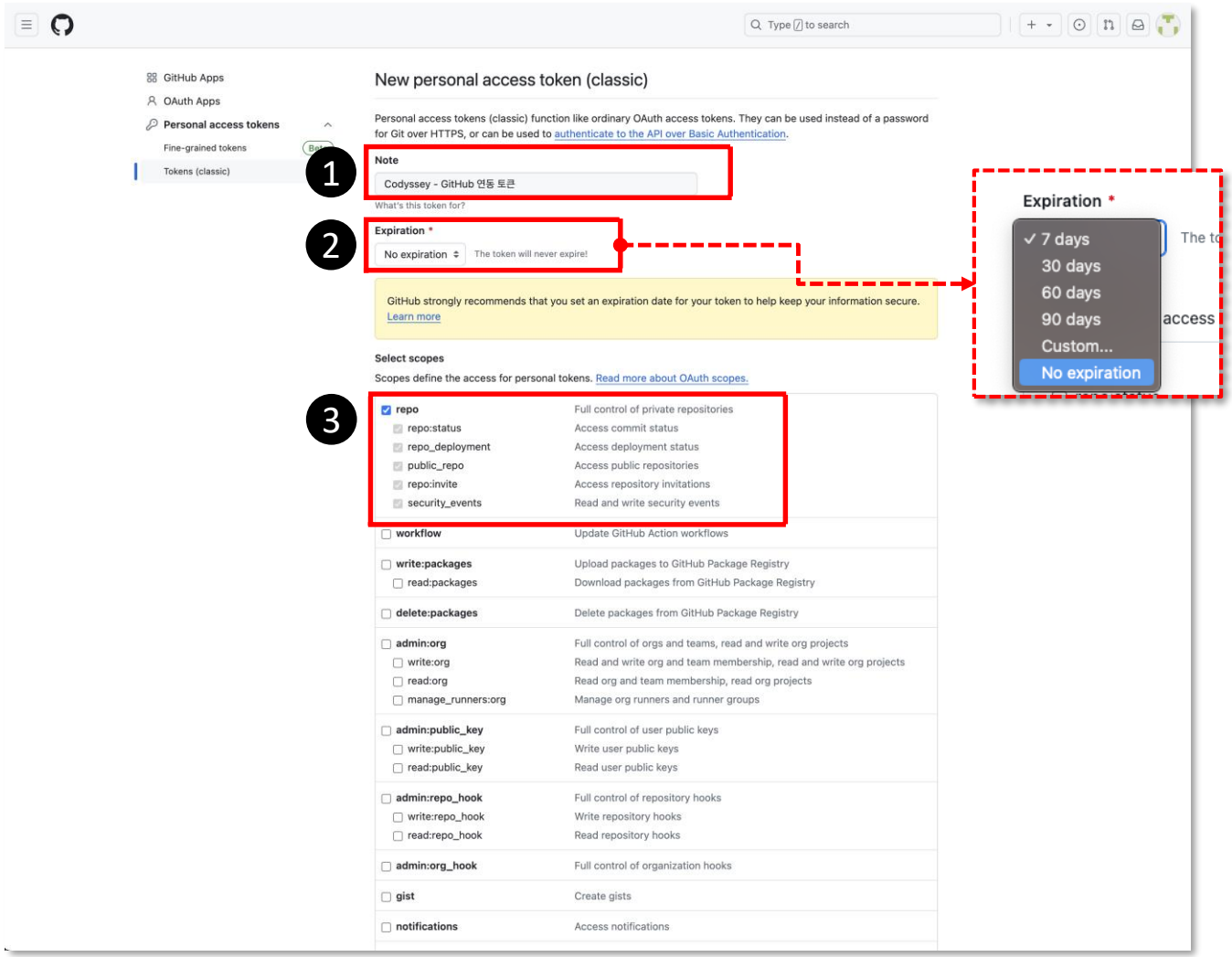
2) You can generate a GitHub token.



1. Click **[Personal access tokens]**.
2. Click **[Tokens (classic)]**.
3. Click **[Generate new token]** to open the dropdown menu.
4. Click **[Generate new token (classic)]** to navigate to the GitHub token generation page.

C) Connecting with Codyssey

2) You can generate a GitHub token.



1. In **[Note]**, write a title for the token.
   e.g., Codyssey-GitHub Connection Token

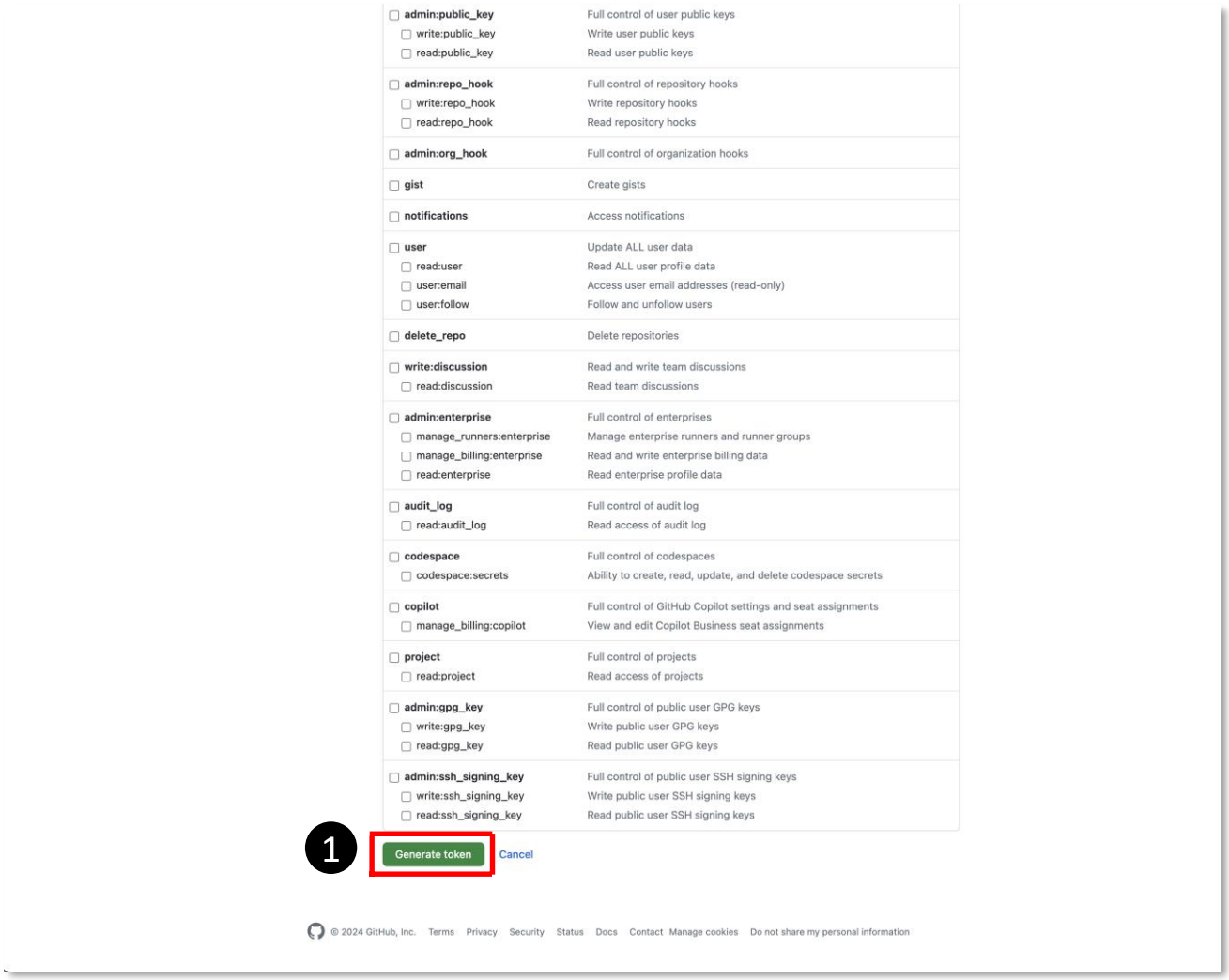
2. **[Expiration]** is the field where you set the token's expiration date.
   Set the expiration date to **[No Expiration]**.

3. Select the **[repo]** checkbox and scroll to the bottom of the page.

★ If there are restrictions on the expiration date, it may cause issues when using the Codyssey platform.

C) Connecting with Codyssey

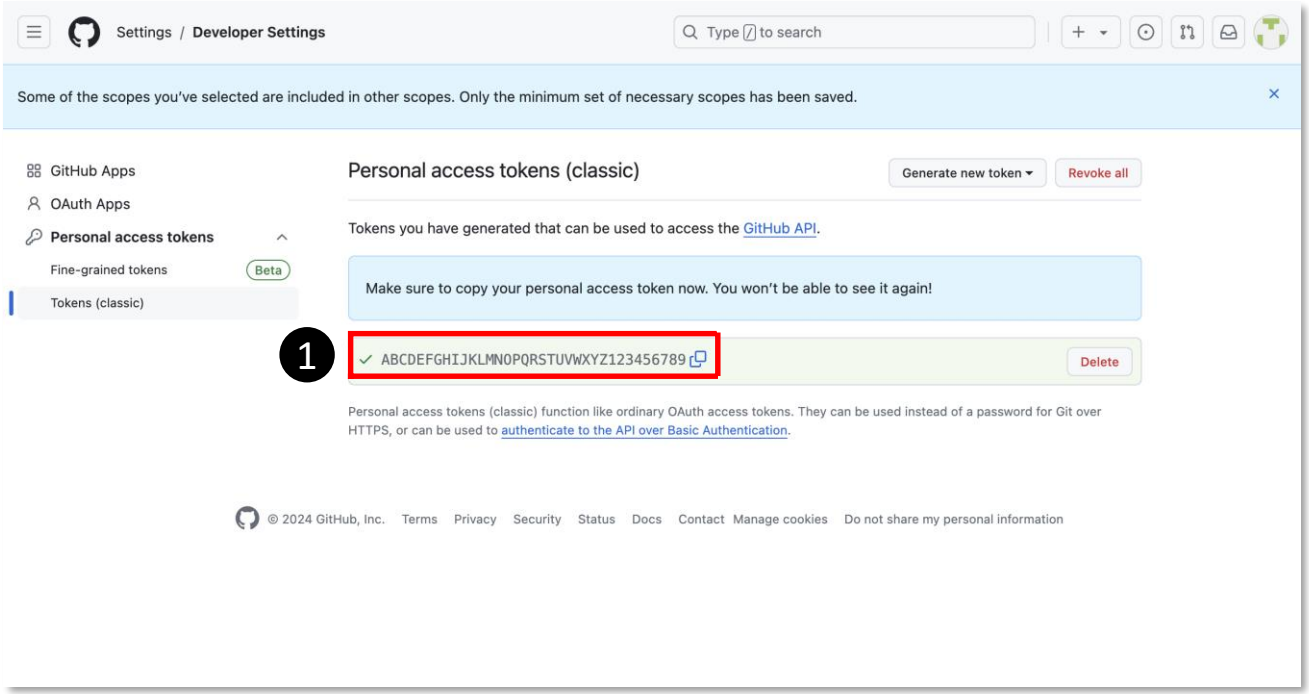
2) You can generate a GitHub token.



1 Scroll to the bottom of the page and click the **[Generate token]** button to issue the token.

C) Connecting with Codyssey

2) You can generate a GitHub token.

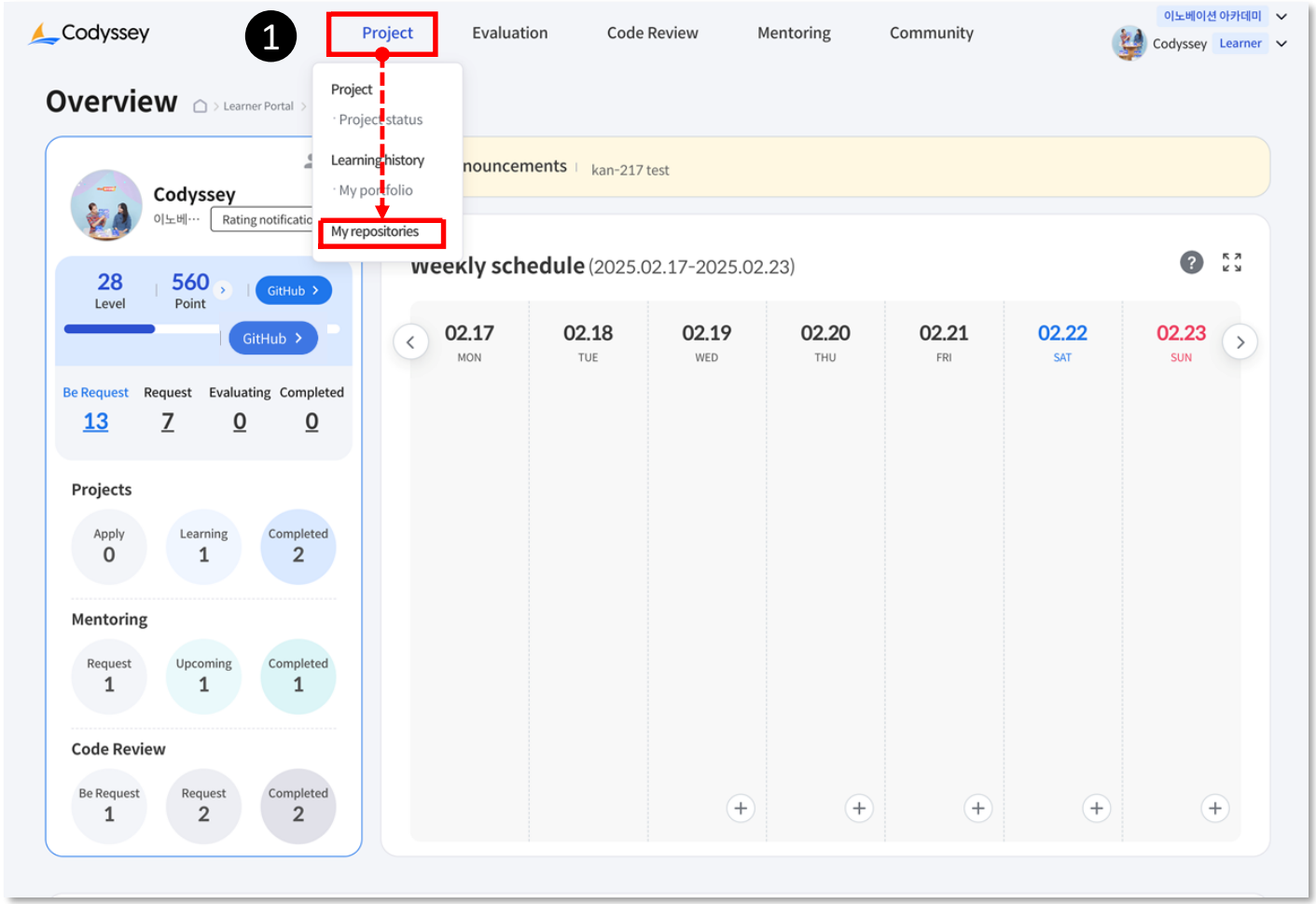


1 Copy the **[token]** and proceed to the Codyssey platform.

★ Since the issued token is displayed only once, it is recommended to either make a note of it or configure it immediately.

C) Connecting with Codyssey

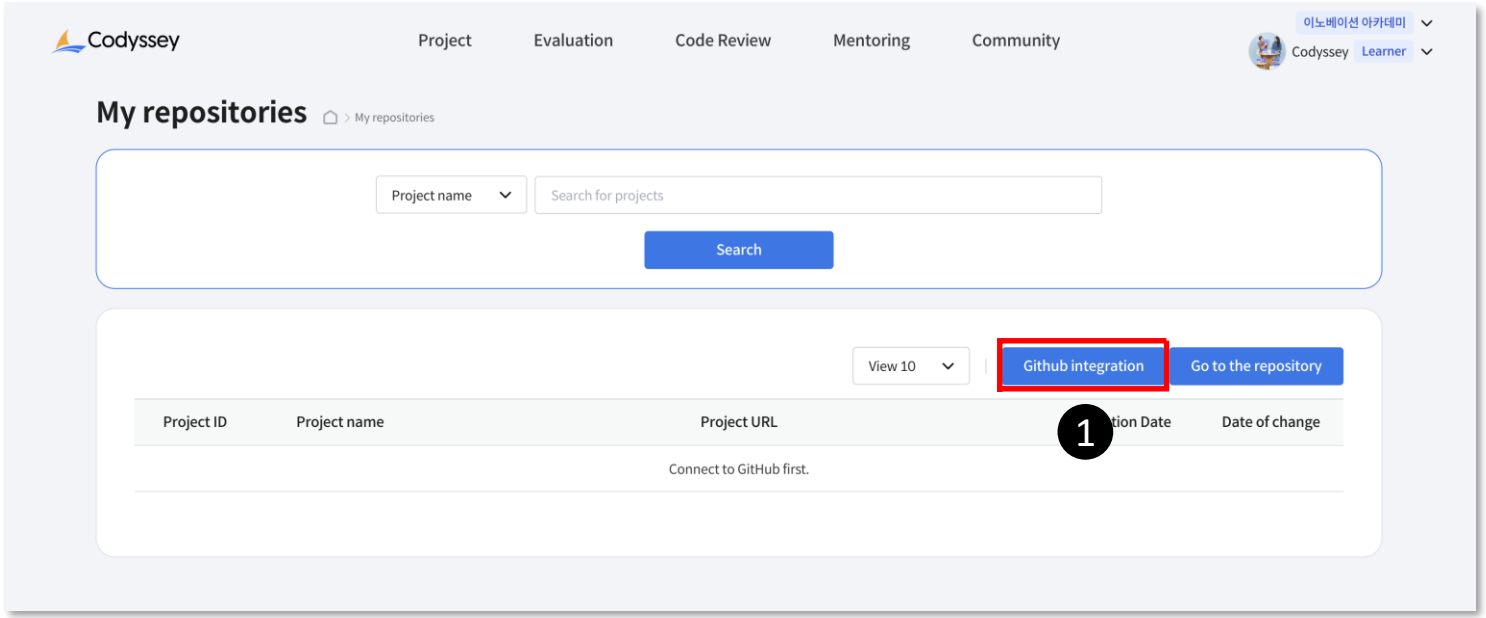
3) In **[My Repositories]**, you can check the GitHub connection and view your repositories.



1 Go to ⌂ > **Project History** > **My Repositories**.

C) Connecting with Codyssey

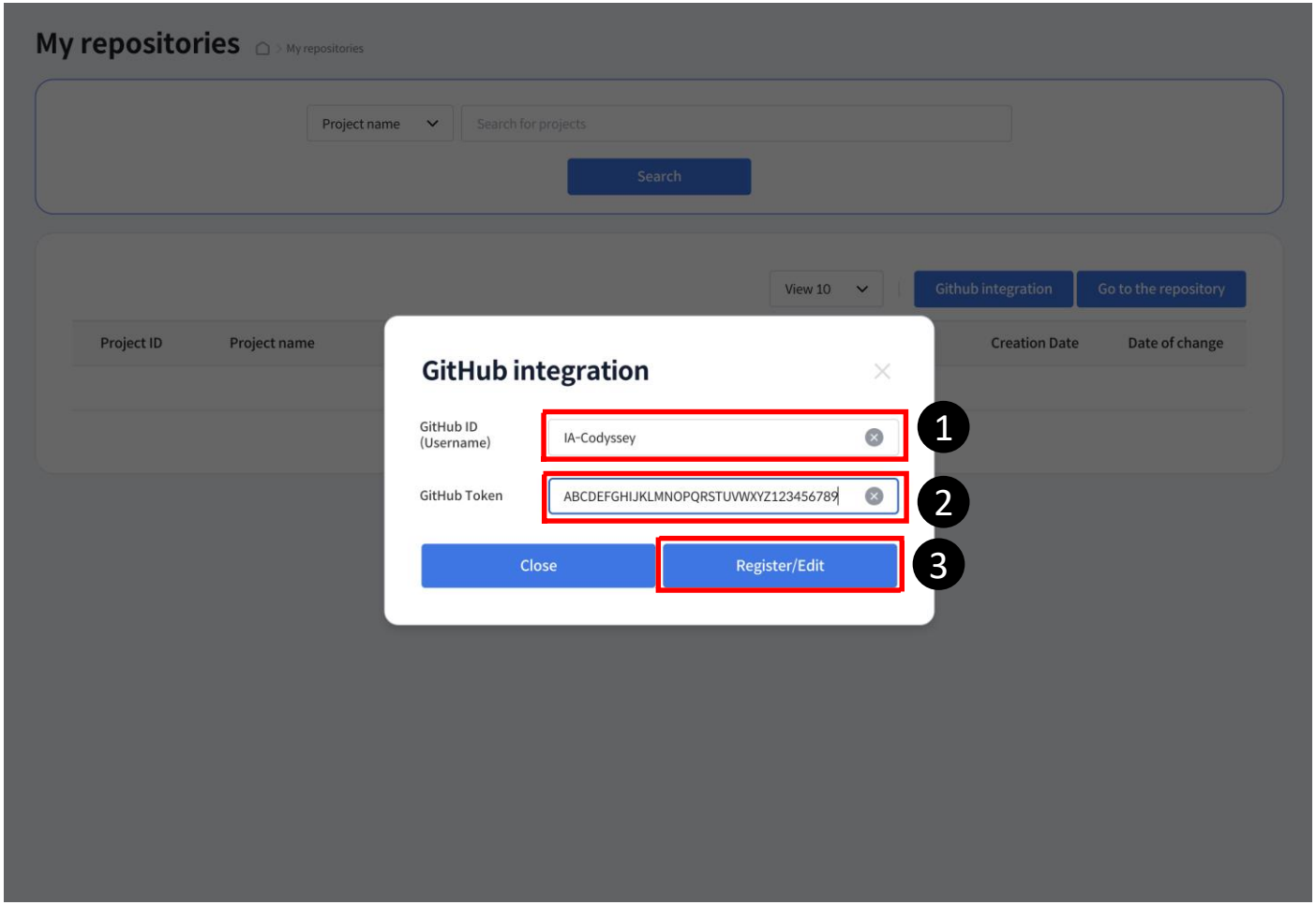
3) In **[My Repositories]**, you can check the GitHub connection and view your repositories.



1 Click the **[Connect GitHub]** button to link your personal GitHub account. A popup window for connecting to GitHub will appear upon clicking the button.

C) Connecting with Codyssey

3) In **[My Repositories]**, you can check the GitHub connection and view your repositories.



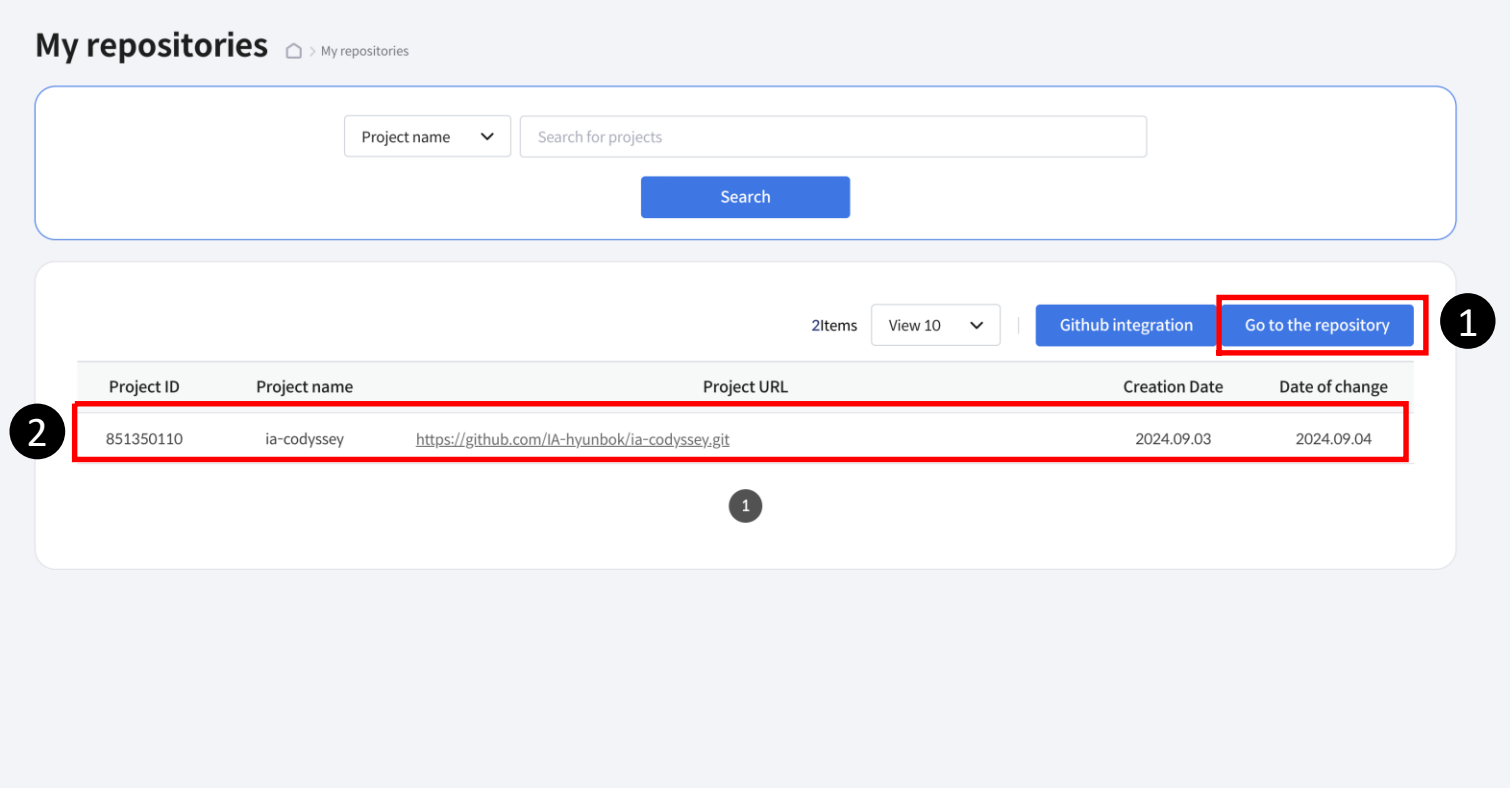
1. Enter your personal GitHub ID.
2. Paste the **[token]** copied from GitHub.
3. Click the **[Register/Modify]** button to connect GitHub.

Notes for Connecting GitHub:

- ✓ The **GitHub ID** must be your own account.
- ✓ The GitHub URL can be found in the **[My Repositories]** section of the learner portal.

C) Connecting with Codyssey

3) In **[My Repositories]**, you can check the GitHub connection and view your repositories.



1. Click the **[Go to Repository]** button to navigate to your personal GitHub.

2. You can view the list of **[GitHub Repositories]**.

THANK YOU

Code your Journey