Creating a GitHub Project Using Templates

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How to Set Up Templates On GitHub: A Guide by Alex Z.

This guide explains how to set up templates on GitHub, allowing users to quickly create new projects with predefined structures. It provides step-by-step instructions on creating a GitHub repository, setting it up as a template, and using that template to create new repositories. By following this guide, users can efficiently manage their projects using the predefined structure and features provided by the template.

ⓘ **GitHub is a website and cloud-based service that allows developers to store and manage their code in addition to tracking and controlling changes to their code.**

GitHub offers users convenience with a feature called "Templates." This feature allows you to quickly set up a new repository with a predefined structure, including issue types, labels, and a board layout. This technical document will aim to guide you through the process of creating a GitHub repository, activating templates, and then showcasing how to create a repository from the newly created template.

Note: Project templates are specific to the repository in which they are created. If you want to reuse a project template in multiple repositories, you need to set it up individually in each repository. Templates can be used in both repositories and projects, with only slight differences in setup.

ⓘ Familiarize yourself with the GitHub terminology we will be using:

"Repository" / "Repo" - A repository is a directory that contains all of the user's project files and each file's revision history. Repositories can be owned individually or have shared ownership.

"Template Repositories" - A starting point that uses a pre-made base for other repositories.

⚠ **Prerequisites**

**To create a GitHub repository using a template, you will need:**

1\. Access to a computer with a stable internet connection.

[[2\. A GitHub account: If you don't have one, go to '[https://github.com']]](https://github.com') **and sign up for a free account.**

Directions

1 Navigate to your GitHub account dashboard using the link:**https://github.com/dashboard**
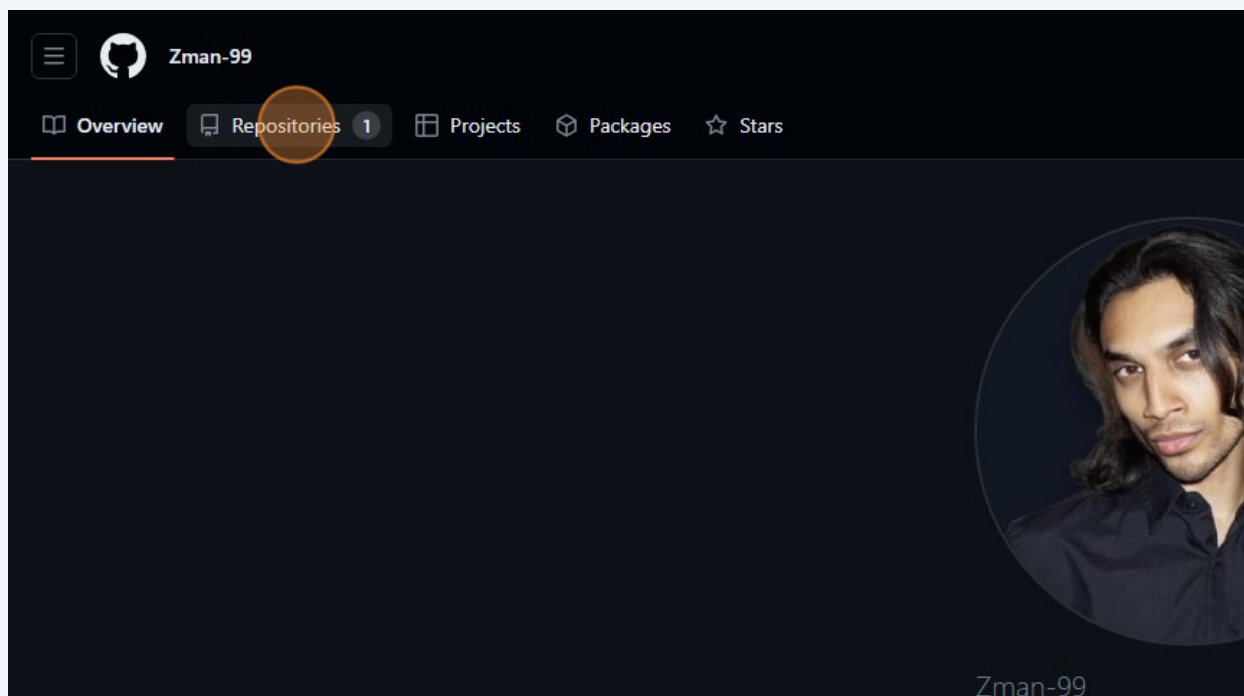
2 Once on your dashboard, click your profile icon on the top right of the page
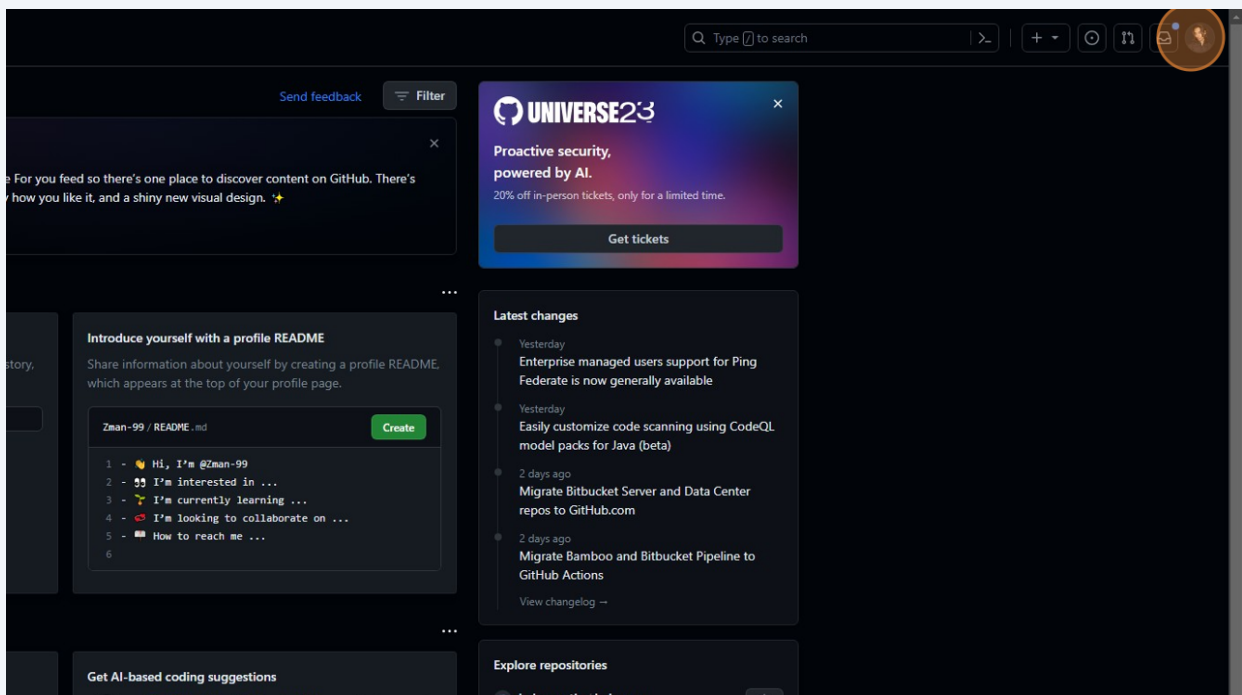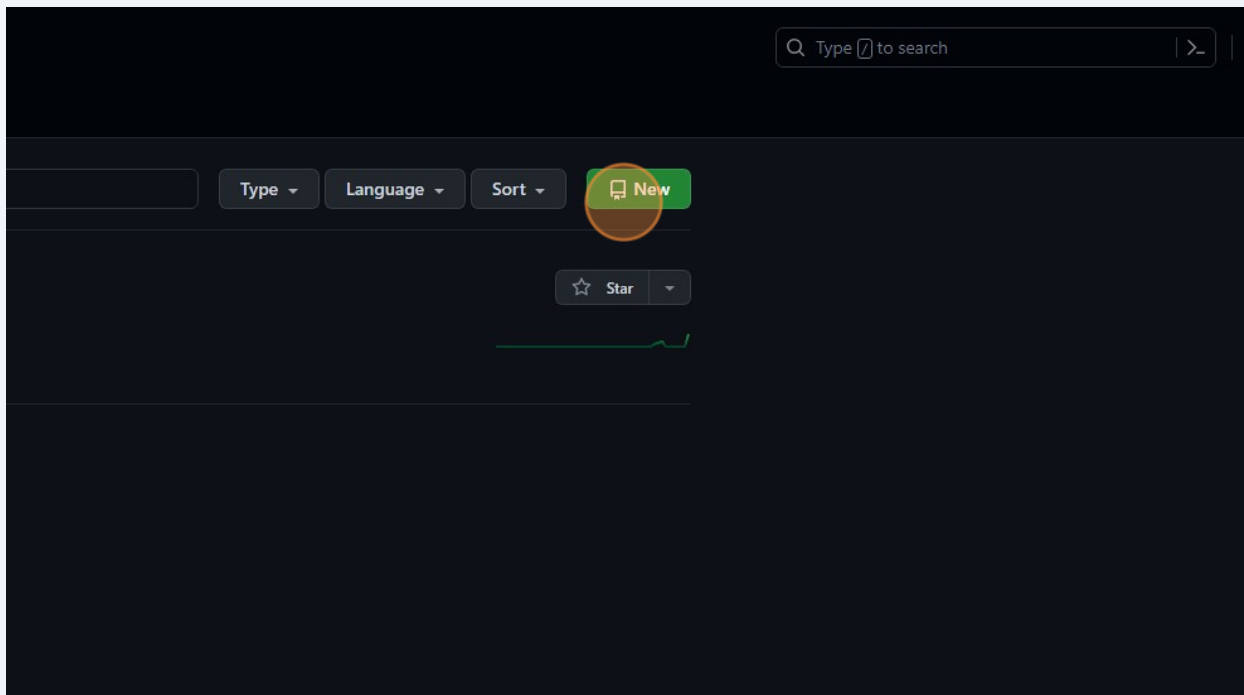
3 Click "Your profile"
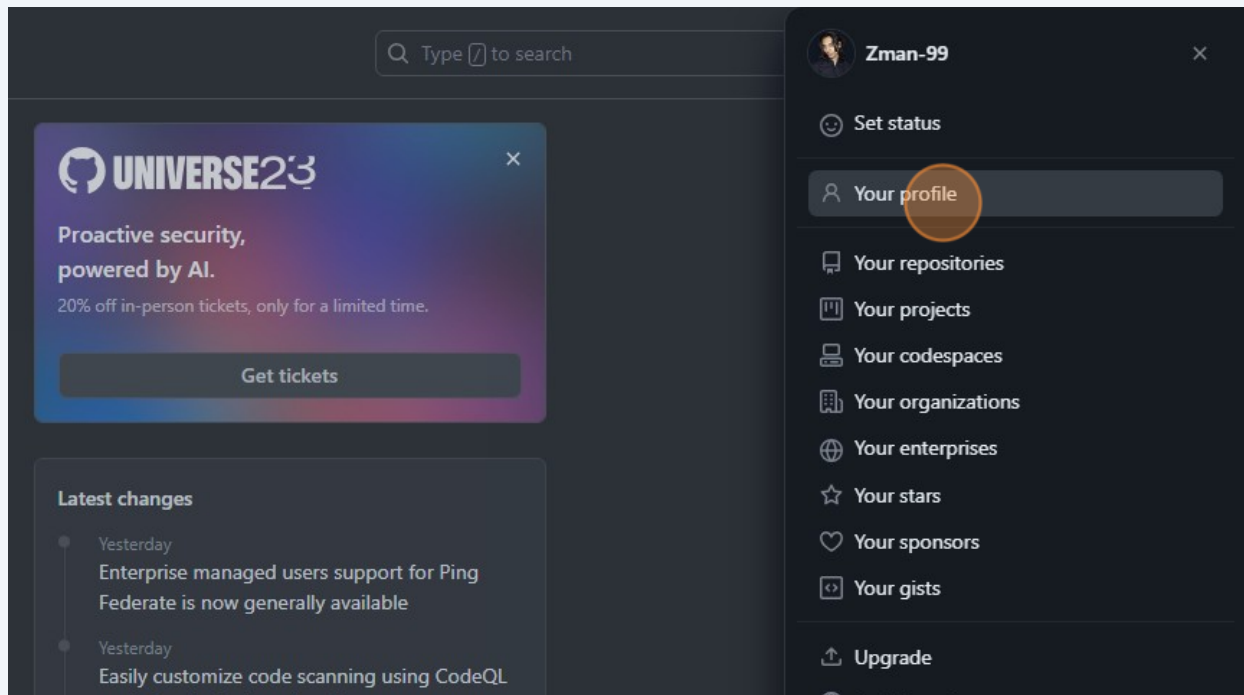
4 Once on your GitHub profile, click "Repositories

5 On the top right of the page, click the green "New" button

6 Click the "Repository name*" field and give your new repository a name

7 Click the "Description (optional)" field and give your repository a description if necessary

ℹ You can make your new repository Public or Private. Additionally, you can initialize your new repository with a "README file".

**8** Click the green "Create repository" button on the bottom right of the screen
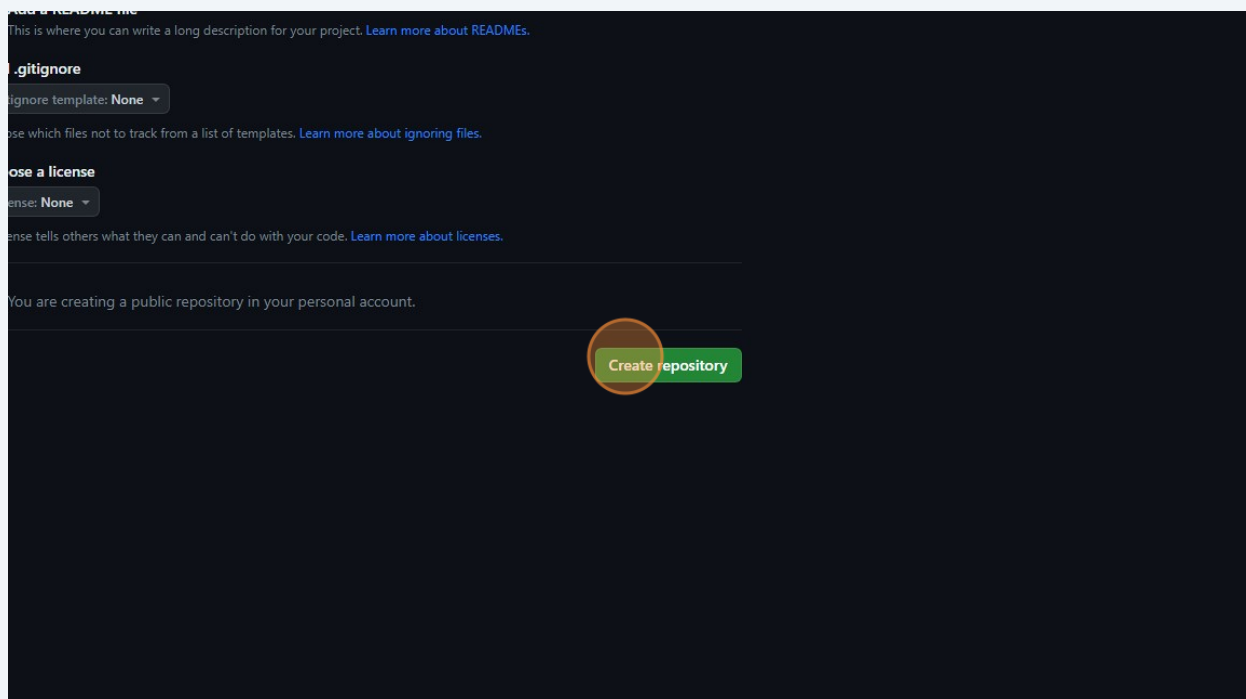
Your new repository is now created and you can proceed to customize the repository. However, in this case, we will now proceed to set it up as a template for future repositories, meaning we will not be customizing the repository.

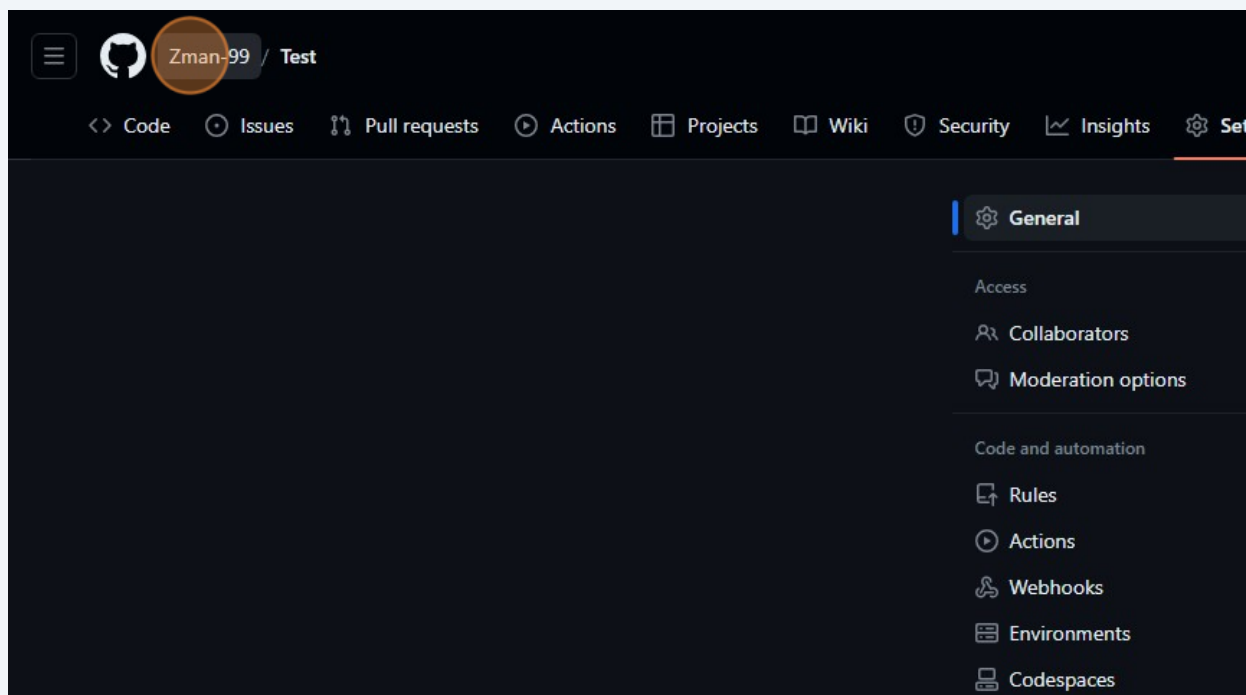**9**   On your new repository page, click the gear icon that reads "Settings"
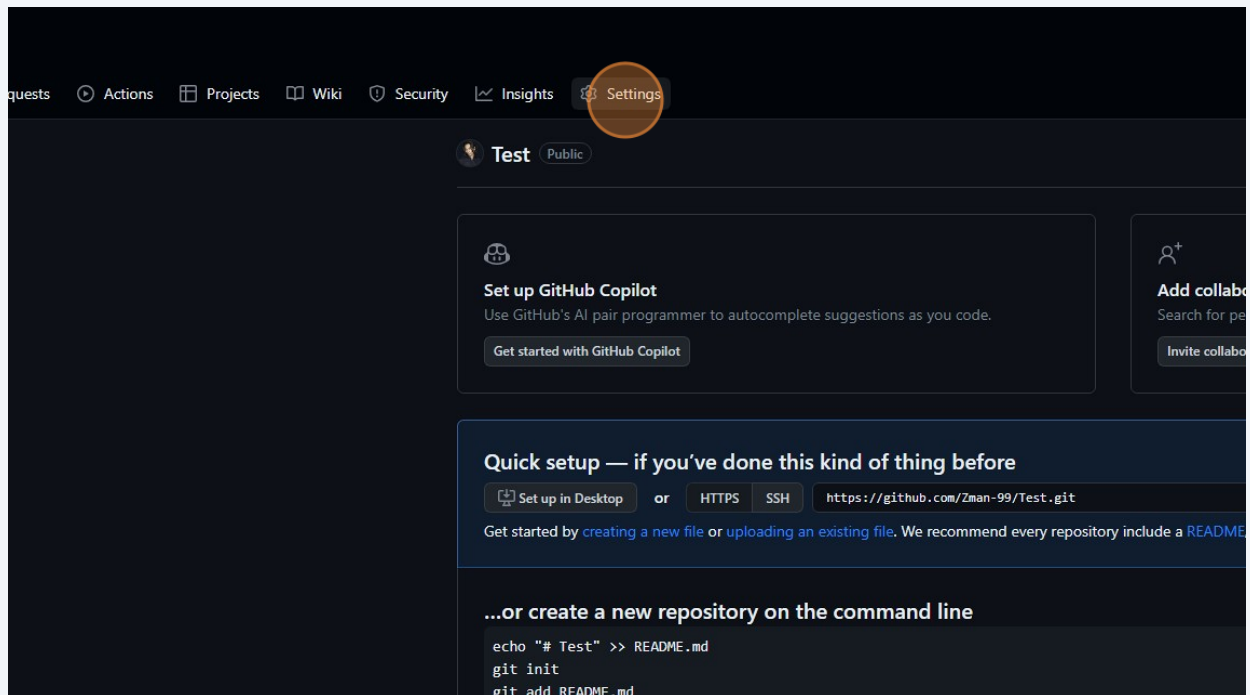
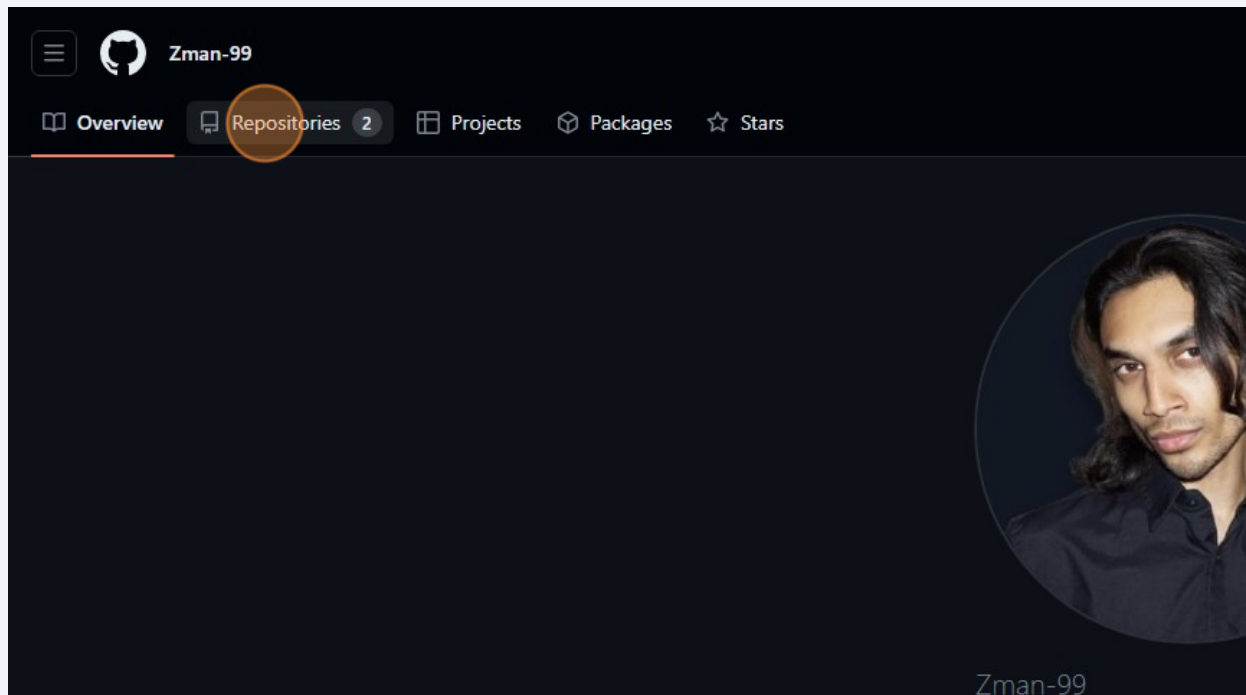**10**   In the "General" tab, click the "Template repository" under the "Repository name"
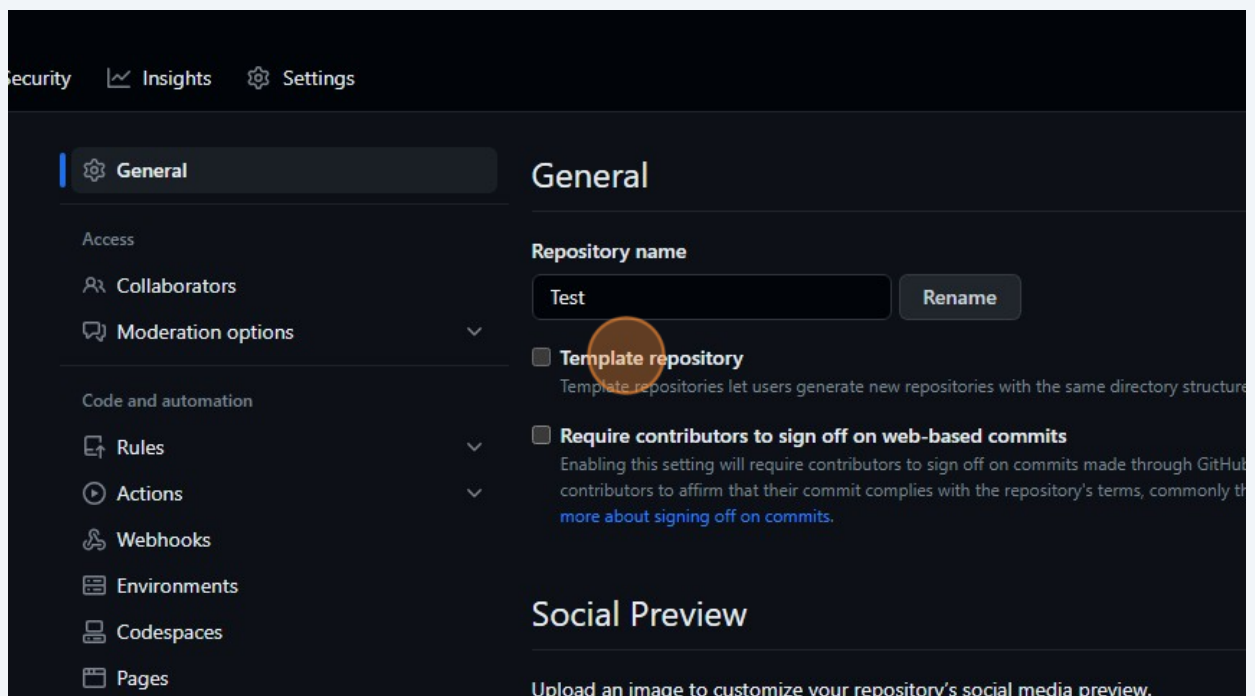
Now that your repository has been set up as a potential template, it is now time to show you how to use it as a template for other repositories.
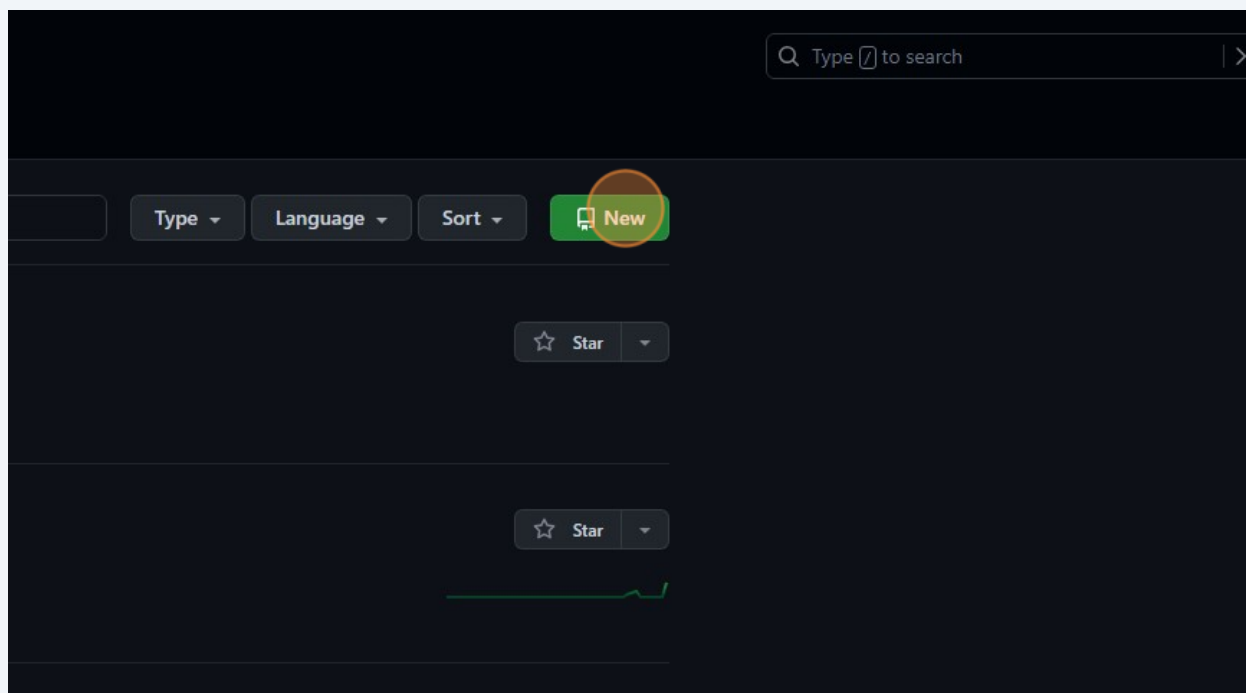
11 Click your username on the top left next to the Git icon to head to your profile page

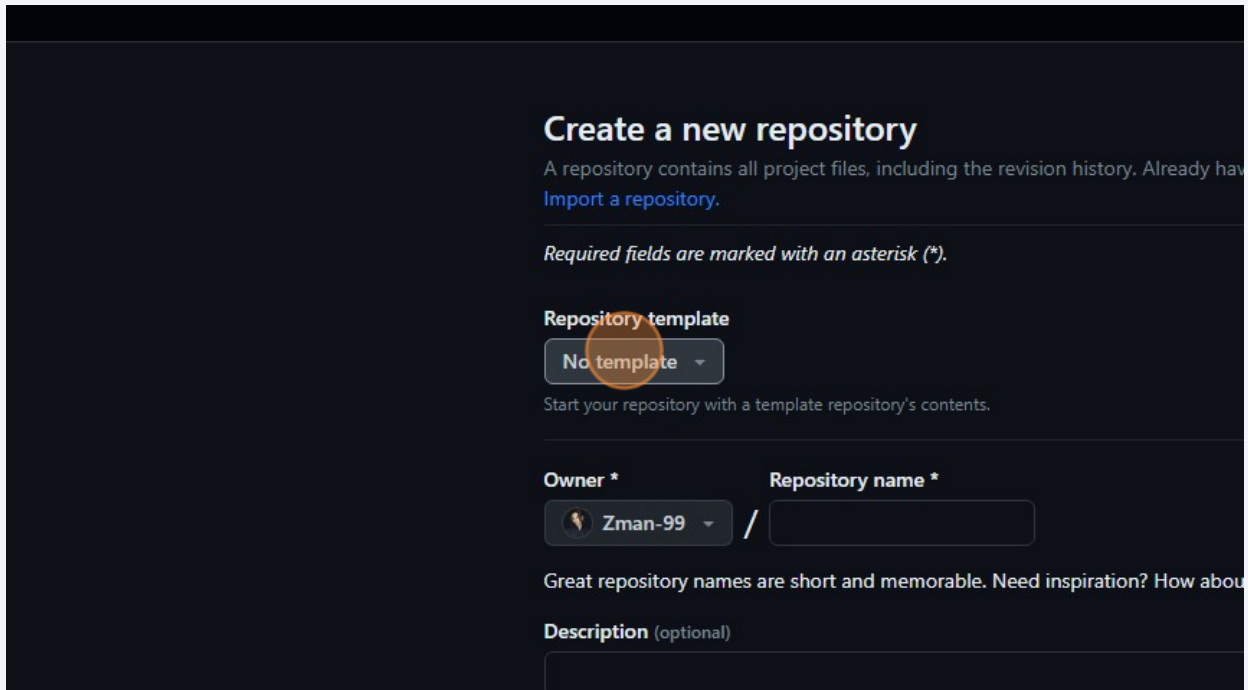**12** Once on your profile page, click the "Repositories" button

13 Once again, click the green "New" button to create a new repository

14 On the new repository page, you will see an option for "Repository template", click the dropdown that reads "No template" to reveal the template you created for your previous repository
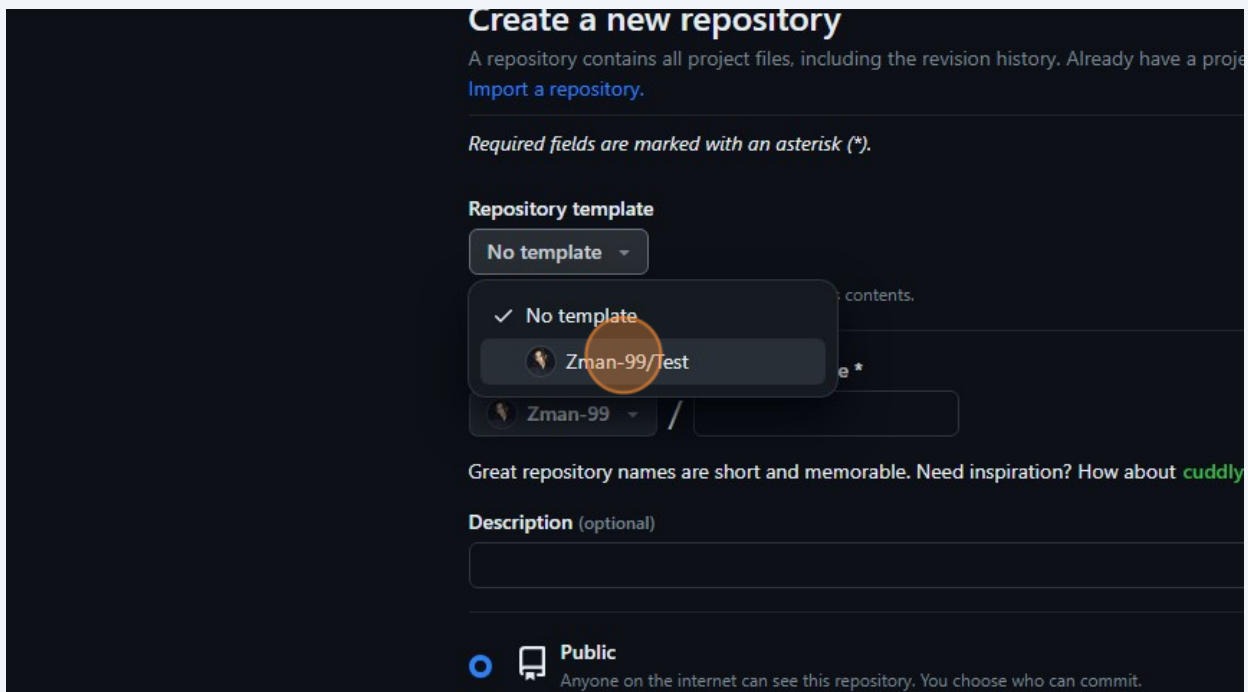
15 Under the "No template" option, you will see the name of the repository you previously made to use as a template. Click that repository name to use it

16 Name this new repository

17 Click the "Description (optional)" field and once again give it a description, if necessary

18 Click the green "Create repository" button to finish setting up your new repository that is based on a template

Congratulations! You have successfully created a GitHub project using templates. Now you can adequately use the predefined structure and features provided by the template to manage your project efficiently.