

# GitHub Actions

**Crash Course!** 

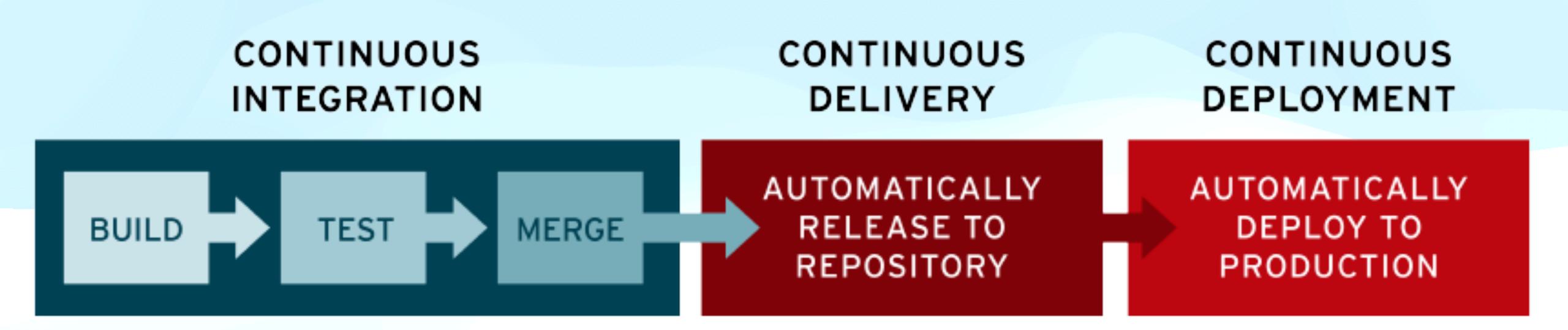
Dr. Firas Moosvi

### Outline

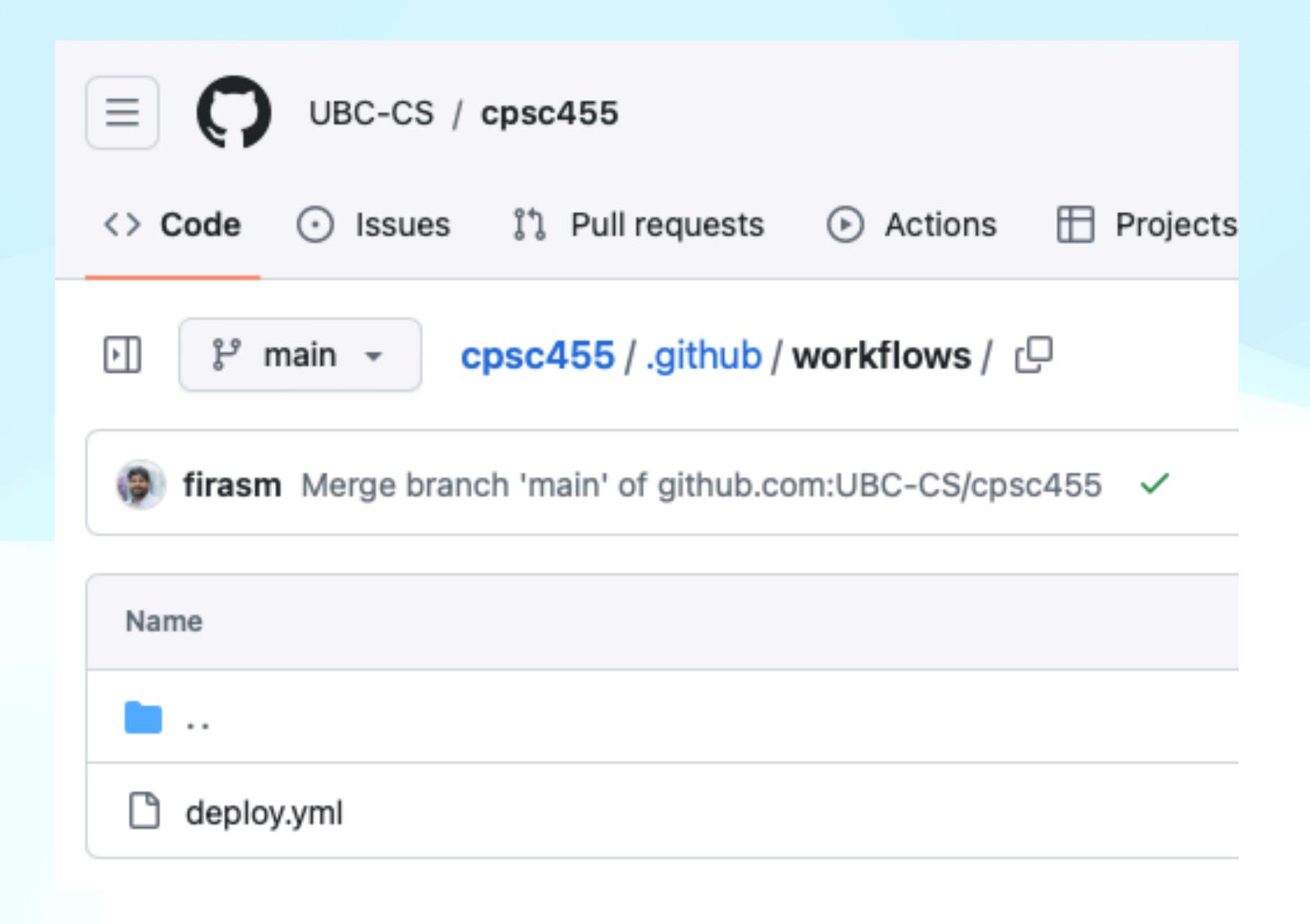
- Continuous Integration, Delivery, Deployment
- Introduction to GitHub Actions
  - Motivation
  - Syntax
  - Practical Example
- Deploy a Django site on render.com
  - Repository Secrets
  - Troubleshooting GitHub Actions
- Q&A

## CI/CD

## CI/CD



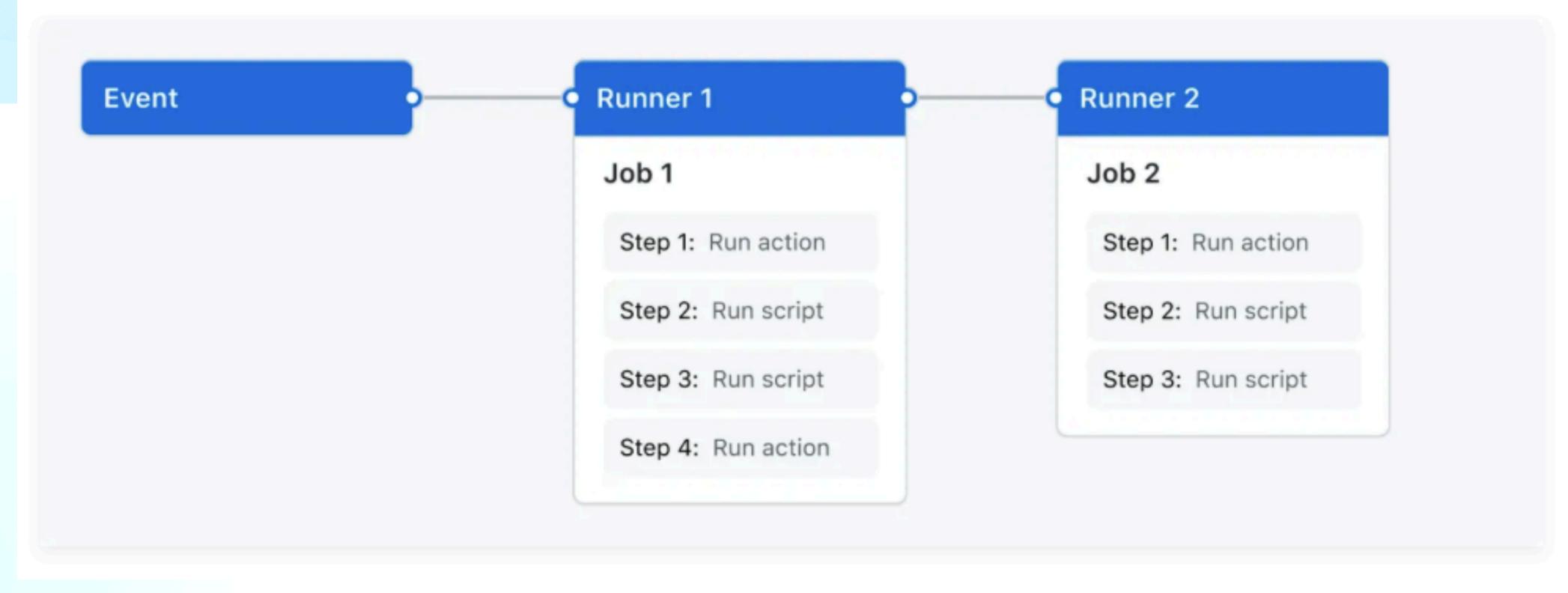
## Introduction to GitHub Actions



Clone URL (to follow along): <a href="https://classroom.github.com/a/c">https://classroom.github.com/a/c</a> ZEKiyH

#### The components of GitHub Actions @

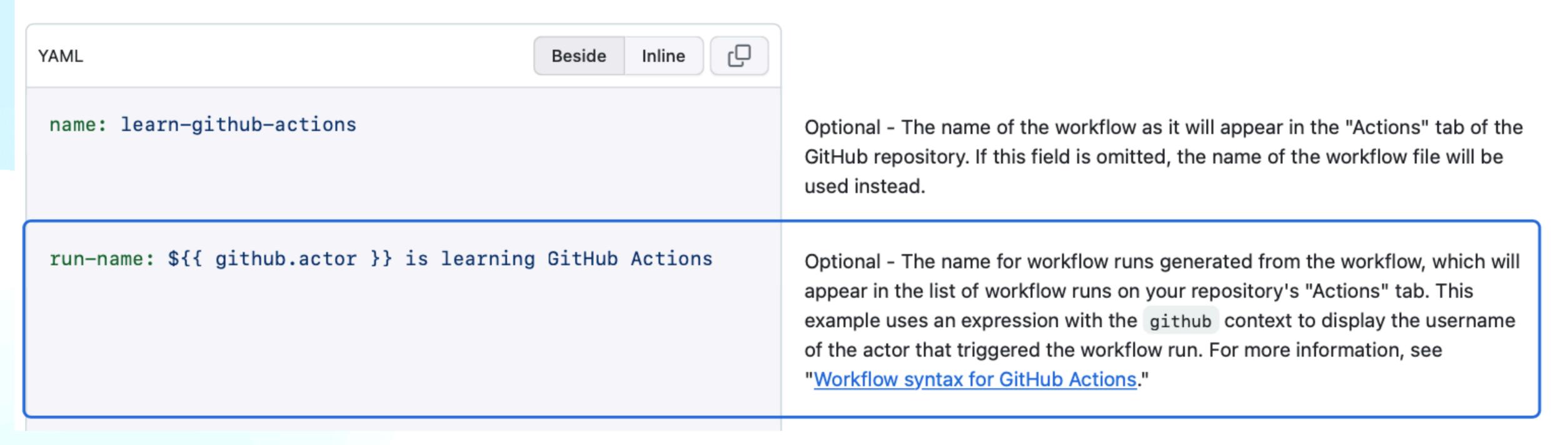
You can configure a GitHub Actions workflow to be triggered when an event occurs in your repository, such as a pull request being opened or an issue being created. Your workflow contains one or more jobs which can run in sequential order or in parallel. Each job will run inside its own virtual machine runner, or inside a container, and has one or more steps that either run a script that you define or run an action, which is a reusable extension that can simplify your workflow.



#### Source

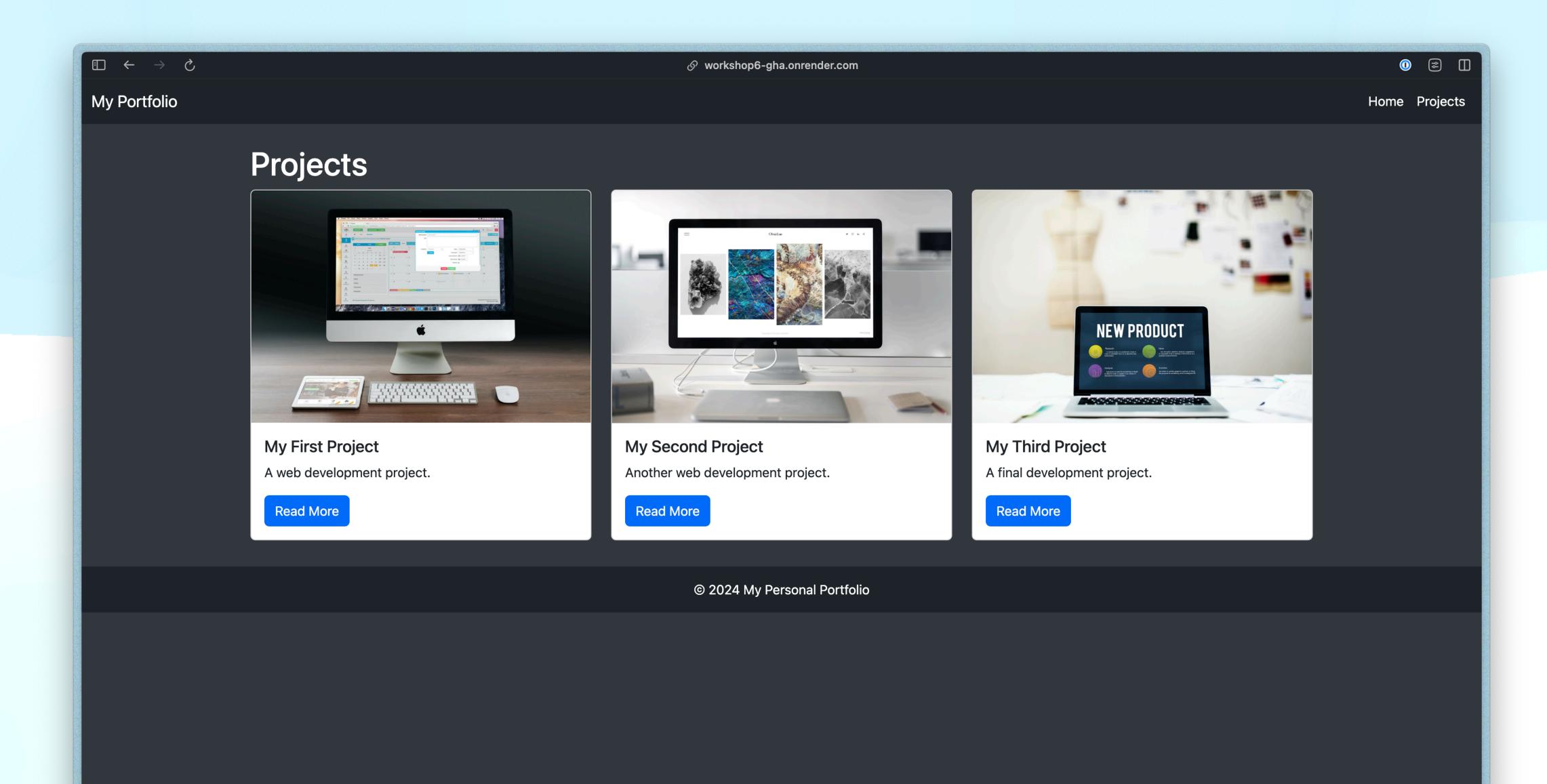
#### Understanding the workflow file 🗈

To help you understand how YAML syntax is used to create a workflow file, this section explains each line of the introduction's example:





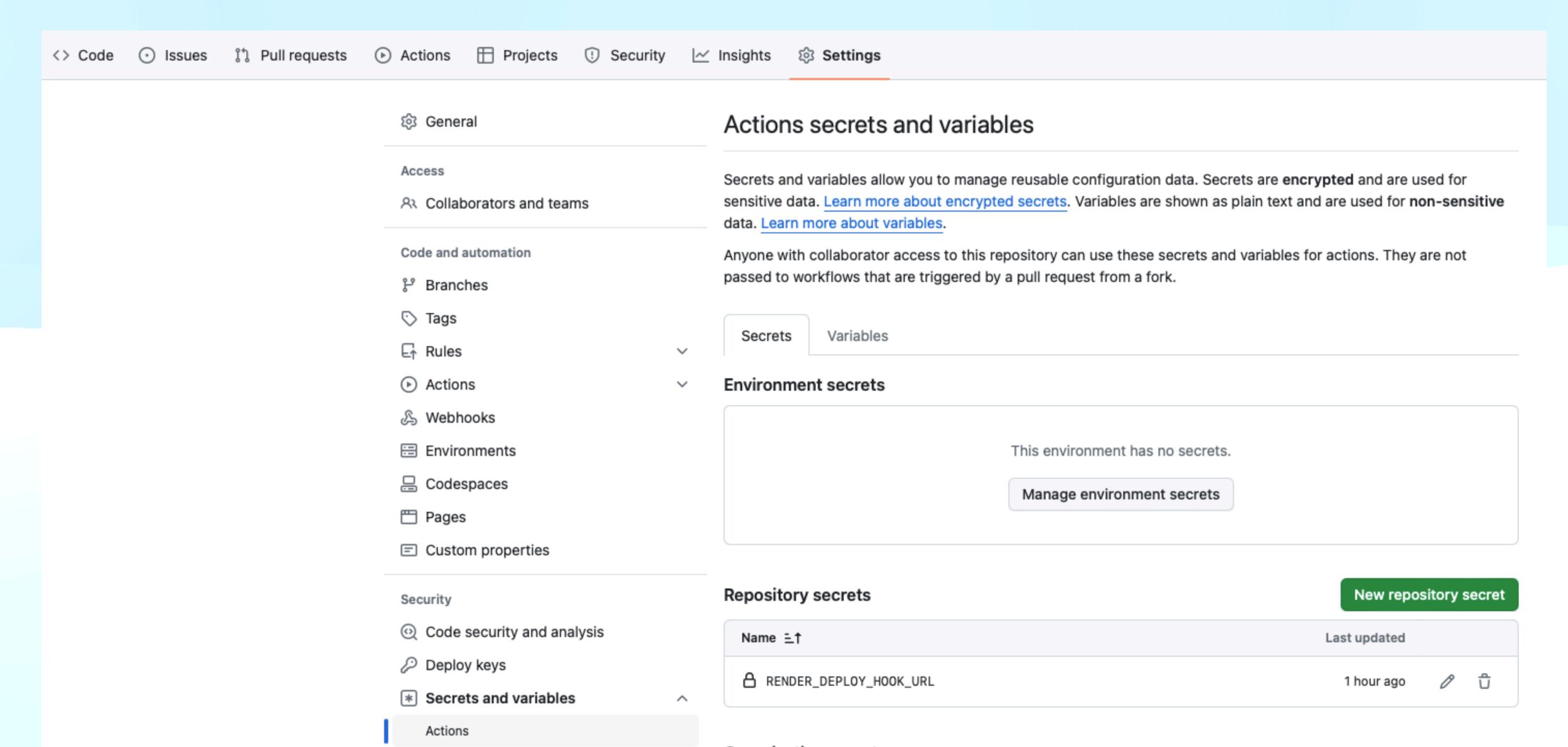
## Deploy a Django Site!



# Troubleshooting GitHub Actions

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## Repository Secrets



# Q&A