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Github Actions Workshop

TIME	LENGTH	TITLE	DESCRIPTION	GOALS	MATERIALS
	↓ 9h 00m				
09:00	10m	Introduction	Let's get to know each other		
09:10	20m	Introduction to automation	<ul style="list-style-type: none"> - What is CI? - What is CD? - How can automation make me a better developer? 		
09:30	20m	Going over examples from production	Understanding CI/CD in real life code	Understanding the CI/CD workflow in code	
09:50	10m	Break			
Exercise 1: Manual Work					
10:00	20m	Introducing our Project and tasks	Project's layout, architecture, dev, test and deploy commands	Understand the difficulties of working without automation	
10:20	30m	Team Work Exercise	Let's see how a vanilla repository can become quite complex to manage without automation		
10:50	10m	Break			
Exercise 1: How can automation help us?					
11:00	20m	Team Work Review	Brainstorming on how this can be better using automation		

11:20	45m	Adding Helpful Automation	Following our brainstorming session, let's implement the solutions using github actions
↓ 10m			
12:15	45m	Food Break	
Beyond CI/CD			
13:00	50m	Automation Examples beyond CI/CD	Let's see how it works in production
13:50	10m	Break	
Implementing more automation ideas			
14:00	50m	Brainstorming and Implementing Helpful Automation	After seeing some examples from production, let's try to be more creative!
14:50	10m	Break	
Github Actions Optimizations			
15:00	50m	Things I wish I'd known when I got started	I was burned - I hope you won't :)
15:50	10m	Conclusion	Learn the benefits of automating processes related to code and how to use github actions in order to achieve automation.

- Repository

16:00

TOTAL LENGTH: 16h 00m

MATERIALS:

- Repository in [Conclusion](#)

Github Actions Workshop- block details

Introduction

09:00 | 10m

Let's get to know each other

Introduction to automation

09:10 | 20m

- What is CI?
- What is CD?
- How can automation make me a better developer?

Going over examples from production

09:30 | 20m

Understanding CI/CD in real life code

GOALS

Understanding the CI/CD workflow in code

Break

09:50 | 10m

Exercise 1: Manual Work

Introducing our Project and tasks

10:00 | 20m

Project's layout, architecture, dev, test and deploy commands

GOALS

Understand the difficulties of working without automation

Team Work Exercise

10:20 | 30m

Let's see how a vanilla repository can become quite complex to manage without automation

Break

10:50 | 10m

Exercise 1: How can automation help us?

Team Work Review

11:00 | 20m

Brainstorming on how this can be better using automation

Adding Helpful Automation

11:20 | 45m

Following our brainstorming session, let's implement the solutions using github actions

Food Break

12:15 | 45m

Beyond CI/CD

Automation Examples beyond CI/CD

13:00 | 50m

Let's see how it works in production

Break

13:50 | 10m

Implementing more automation ideas

Brainstorming and Implementing Helpful Automation

14:00 | 50m

After seeing some examples from production, let's try to be more creative!

Break

14:50 | 10m

Github Actions Optimizations

Things I wish I'd known when I got started

15:00 | 50m

I was burned - I hope you won't :)

Conclusion

15:50 | 10m

MATERIALS

- Repository

GOALS

Learn the benefits of automating processes related to code and how to use github actions in order to achieve automation.