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Course

Github Actions

Course Outline

- Introduction
    - Quick intro to CI/CD
    - Github Actions vs Others
- Github Actions Setup
    - Github hosted runners
    - Self hosted runners
- Jobs
    - Basic jobs
    - Runners in workflow (Linux, Mac, Windows)
    - Conditions
    - Matrixes
    - Concurrency
    - Environments
    - Run jobs in a container
    - Set default values for jobs
    - Job permissions
    - Job outputs
- Actions
    - Built-in actions
    - Using custom actions
- Workflows
    - Auto vs manual workflows
    - Re-run workflows and jobs
    - Review & deployments
    - Disable & enable a workflow
    - Skips & Forks
    - Workflow artifacts
- Deployments
    - App deployments
    - Package deployments
- Example project
    - Own full workflow example
    - Build, lint, test & deploy