

Homework Setup



Professorship for Open-Source Software
FAU Erlangen-Nürnberg

ADAP A03

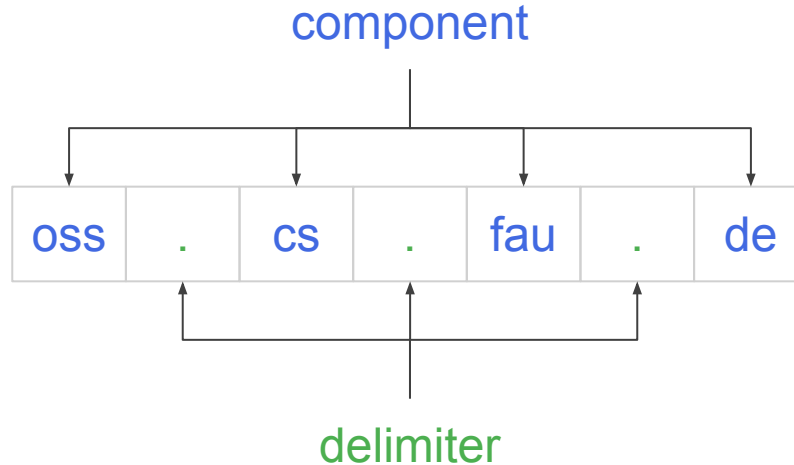
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Agenda

- ADAP Names
- Repository setup
- Submission
- Further tips

ADAP Names

- Mandatory homework for the first part of ADAP
- Implement homogeneous names
- Examples:
 - Domains: oss.cs.fau.de
 - File paths: /home/admin



Automated tests

Public tests

- Are visible to you
- Can be executed by yourself

Private tests

- Are not visible to you
- Cannot be executed by yourself

Setup homework repository (adap-names)

Remote setup

- Fork the repository <https://github.com/riehlegroup/adap-names>
- Ensure the repository is public and stays public

Local Setup

- Clone your forked repository to your local machine
- Install dependencies

Example

- `git clone https://github.com/<username>/adap-names`
- `cd adap-names`
- `npm install`

Important files / directories

/src

- Contains the files you need to edit for the homework
- E.g., src/adap-b01/names/Name.ts
- Only the work done in the respective subfolder is graded
 - **⇒ Changes to any other files (e.g. package.json, tsconfig.json, test files) will NOT be reflected in grading and may result in failing tests**

/test

- Contains public test files
- E.g., test/adap-b01/names/Name.test.ts

Test your implementation

Ensure that the project builds

- `npm run build`

Run the public tests

- `npm run test` *# for all exercises*
- `npm run test:b01` *# for exercise B01*

Check the results

```
Test Files  1 failed (1)
Tests      3 failed | 1 passed (4)
```

Submission

Commit and push your submissions before the next lecture

- **Make sure your repository is up-to-date with the upstream repo**
- Your repository must be public
- Only the default branch is graded
- Late uploads are not graded

GitHub shows feedback for public tests (if you enable GitHub Actions)

- This is just a preview and does not necessarily reflect your score
 - All tests (public and private) are run on our infrastructure
 - Our repository setup slightly differs from yours (→ Only change files in the *src* directory!)
- Final feedback at the end of the semester

Send us your repository link

Fill out the following form until the start of the next lecture

- <https://forms.gle/Hu85W6VFrtJPp4kc8>

Helpful resources

- How to fork a repository
<https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/working-with-forks/fork-a-repo>
- TypeScript for the New Programmer
<https://www.typescriptlang.org/docs/handbook/typescript-from-scratch.html>
- TypeScript for Java/C# Programmers
<https://www.typescriptlang.org/docs/handbook/typescript-in-5-minutes-oop.html>
- The TypeScript Handbook
<https://www.typescriptlang.org/docs/handbook/intro.html>

Summary

- ADAP Names
- Repository setup
- Submission
- Further tips

Thank you! Any questions?



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<https://oss.cs.fau.de>

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Public Feedback (1/3) - Overview

The screenshot shows the GitHub Actions interface for a workflow named 'My commit message #7'. The workflow is triggered by a push to the 'main' branch. The status is 'Failure' with a total duration of 22s. The workflow file is 'ci.yml' and it runs on 'push'. The jobs listed are 'build' (successful) and 'test' (failed). The 'test' job took 11s, while the 'build' job took 5s. The interface includes a sidebar with navigation links (Code, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings) and a top bar with a search bar and user profile.

Automated Public Tests

My commit message #7

Re-run jobs

Triggered via push 3 minutes ago	Status	Total duration	Artifacts
joluj pushed 4c7f373 main	Failure	22s	-

ci.yml
on: push

build	5s
test	11s

Public Feedback (2/3) - Public tests

The screenshot shows a GitHub Actions workflow run for a job named 'test'. The job has failed, as indicated by the red 'x' icon in the left sidebar. The main panel displays a list of steps in the workflow, with their status and duration. The steps are: 'Set up job' (2s), 'Clone Repository' (1s), 'Setup Node and NPM' (0s), 'Install Dependencies' (1s), 'Run tests for exercise B01' (0s), 'Run tests for exercise B02' (0s), 'Run tests for exercise B03' (0s), 'Run tests for exercise B04' (0s), 'Run tests for exercise B05' (0s), 'Run tests for exercise B06' (0s), 'Post Setup Node and NPM' (0s), 'Post Clone Repository' (0s), and 'Complete job' (0s). The steps for exercises B02 through B06 are marked as failed with a red 'x' icon. The 'Summary' tab is selected in the left sidebar, and the 'test' job is highlighted. The 'Run details' section shows 'Usage' and 'Workflow file' options. A search bar for logs is visible in the top right of the main panel.

Summary

Jobs

- build
- test**

Run details

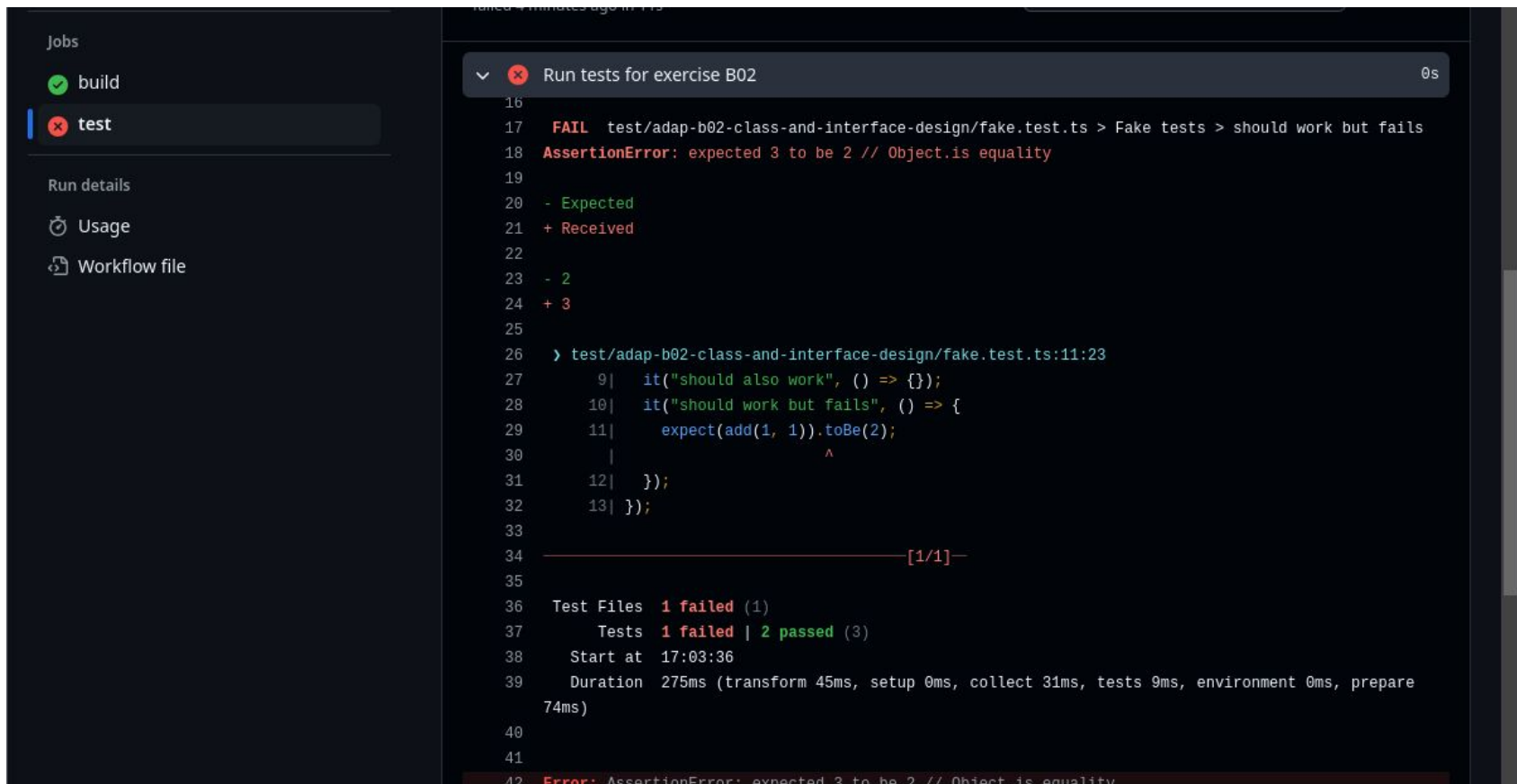
- Usage
- Workflow file

test
failed 3 minutes ago in 11s

Search logs

- > ✓ Set up job 2s
- > ✓ Clone Repository 1s
- > ✓ Setup Node and NPM 0s
- > ✓ Install Dependencies 1s
- > ✓ Run tests for exercise B01 0s
- > ✗ Run tests for exercise B02 0s
- > ✗ Run tests for exercise B03 0s
- > ✗ Run tests for exercise B04 0s
- > ✗ Run tests for exercise B05 0s
- > ✗ Run tests for exercise B06 0s
- Post Setup Node and NPM 0s
- > ✓ Post Clone Repository 0s
- > ✓ Complete job 0s

Public Feedback (3/3) - Inspect failed test



Jobs

- ✓ build
- ✗ test

Run details

- Usage
- Workflow file

Run tests for exercise B02 0s

```
16
17 FAIL test/adap-b02-class-and-interface-design/fake.test.ts > Fake tests > should work but fails
18 AssertionError: expected 3 to be 2 // Object.is equality
19
20 - Expected
21 + Received
22
23 - 2
24 + 3
25
26 > test/adap-b02-class-and-interface-design/fake.test.ts:11:23
27   9|   it("should also work", () => {});
28  10|   it("should work but fails", () => {
29    11|     expect(add(1, 1)).toBe(2);
30      |                       ^
31  12|   });
32  13| });
33
34 -----[1/1]-----
35
36 Test Files  1 failed (1)
37 Tests      1 failed | 2 passed (3)
38 Start at   17:03:36
39 Duration   275ms (transform 45ms, setup 0ms, collect 31ms, tests 9ms, environment 0ms, prepare
74ms)
40
41
42 Error: AssertionError: expected 3 to be 2 // Object.is equality
```