

Web Academy CI/CD

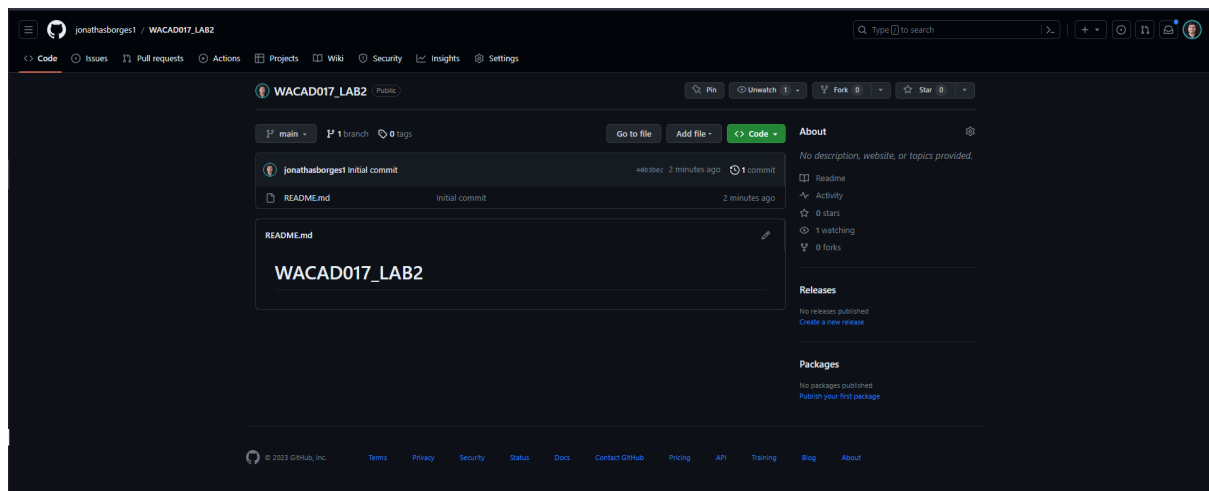
Laboratório - Aula 02

Aluno: **Jonathas Borges Cavalcante**

Repositório: https://github.com/jonathasborges1/WACAD017_LAB2

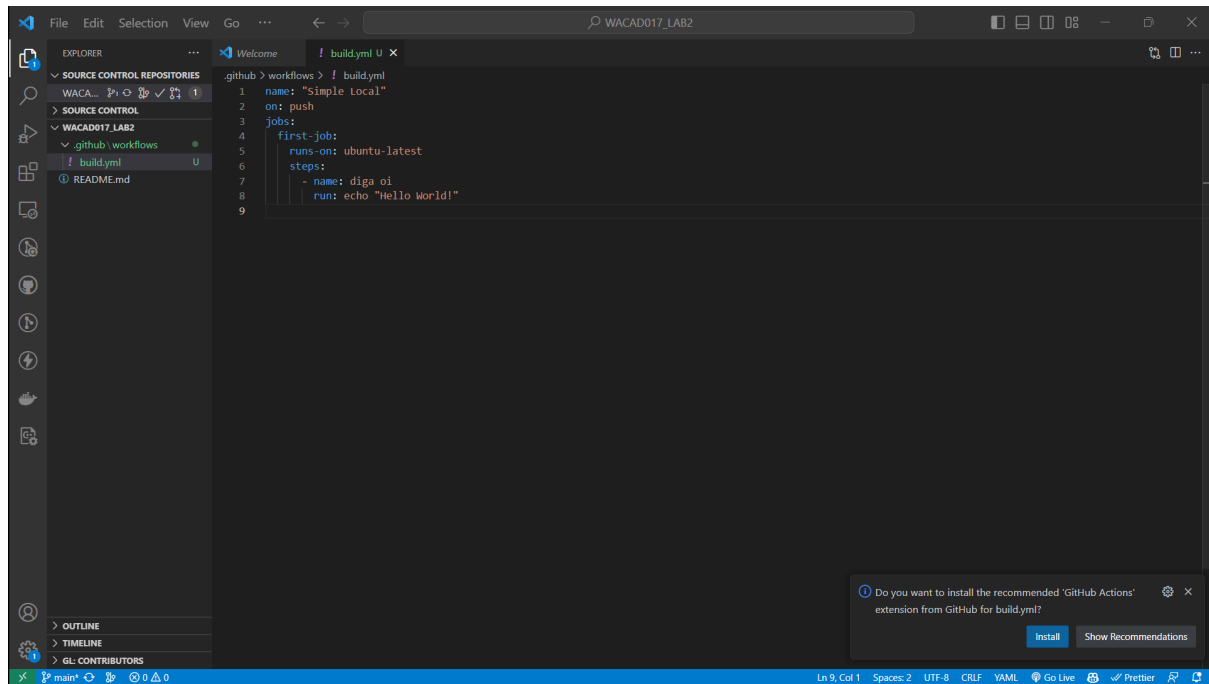
Exercício 01 - Associando um projeto simples a um repositório com um workflow básico (checkout, compilar)

Criação do repositório no Github



. Criação do repositório no Github

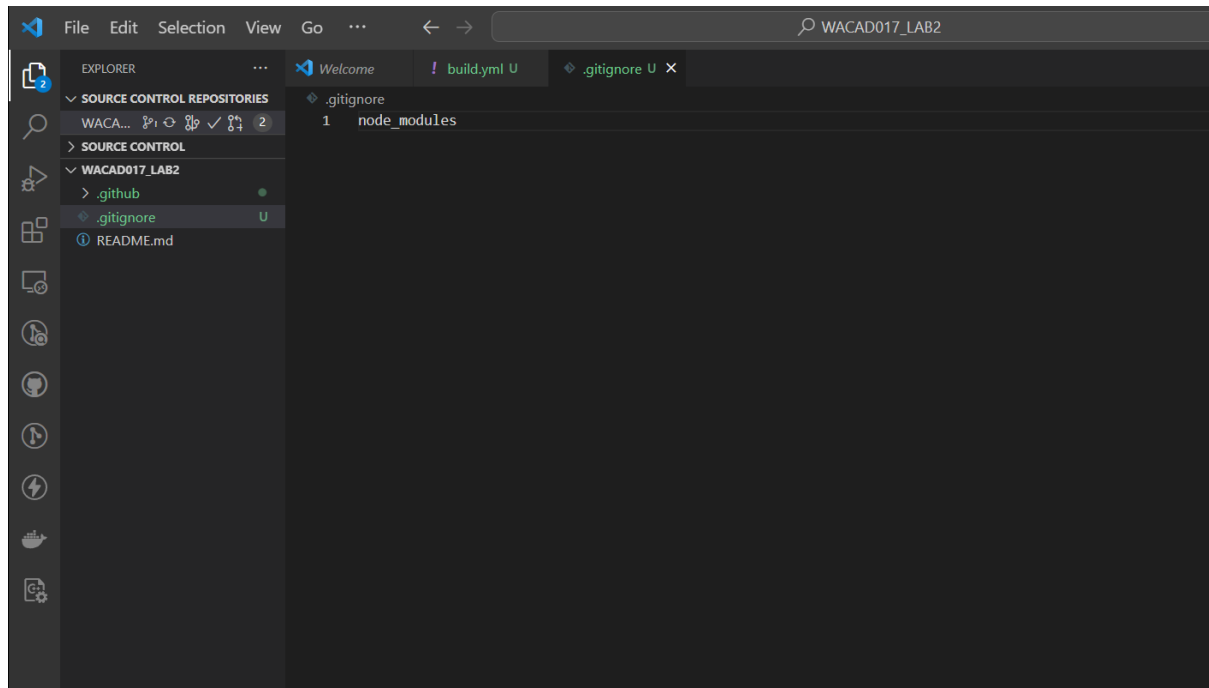
Criação do arquivo **build.yml**



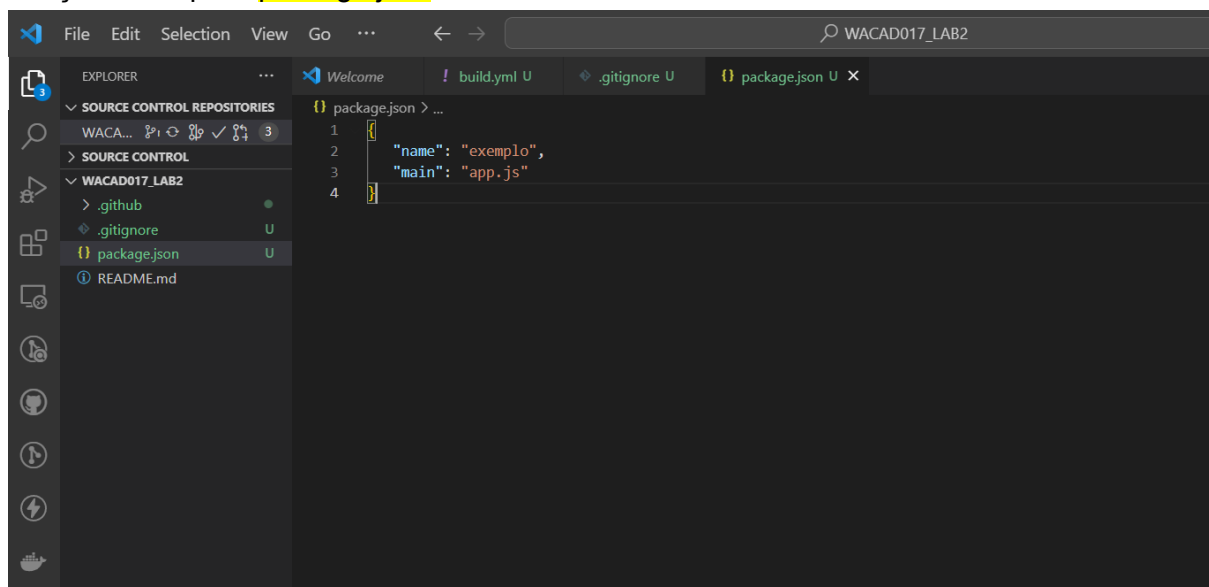
```
name: "Simple Local"
on: push
jobs:
  first-job:
    runs-on: ubuntu-latest
    steps:
      - name: diga oi
        run: echo "Hello World!"
```

code - build.yml

Criação do arquivo `.gitignore`



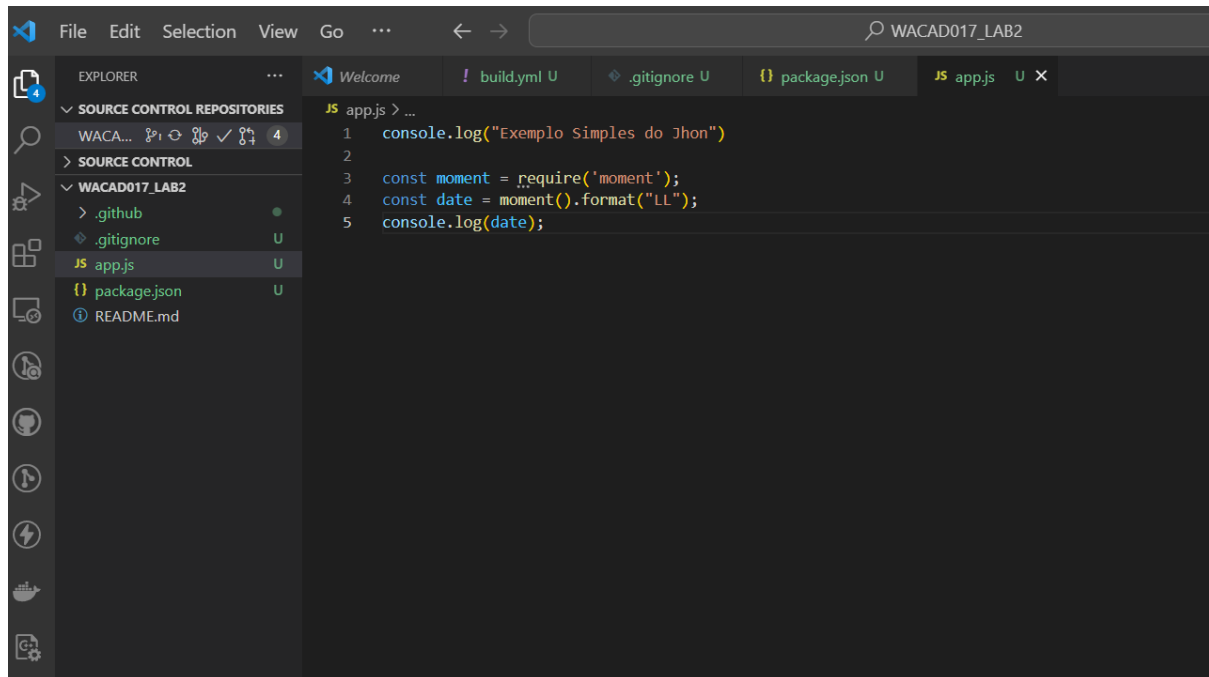
Criação do arquivo `package.json`



```
{  
  "name": "exemplo",  
  "main": "app.js"  
}
```

code - package.json

Criação do arquivo `app.js`

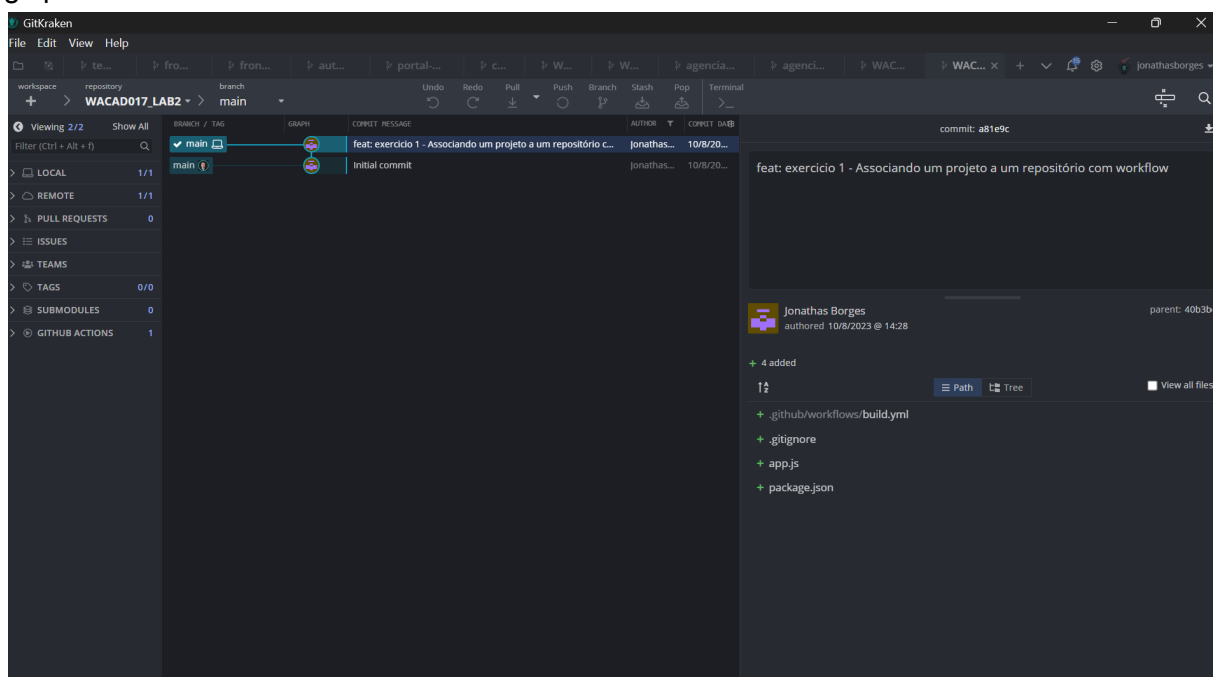


```
console.log("Exemplo Simples do Jhon")

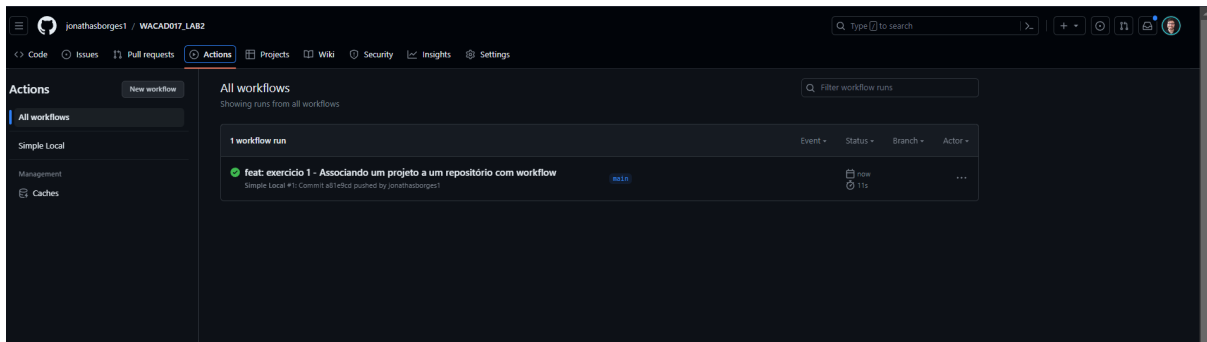
const moment = require('moment');
const date = moment().format("LL");
console.log(date);
```

code - app.js

git push

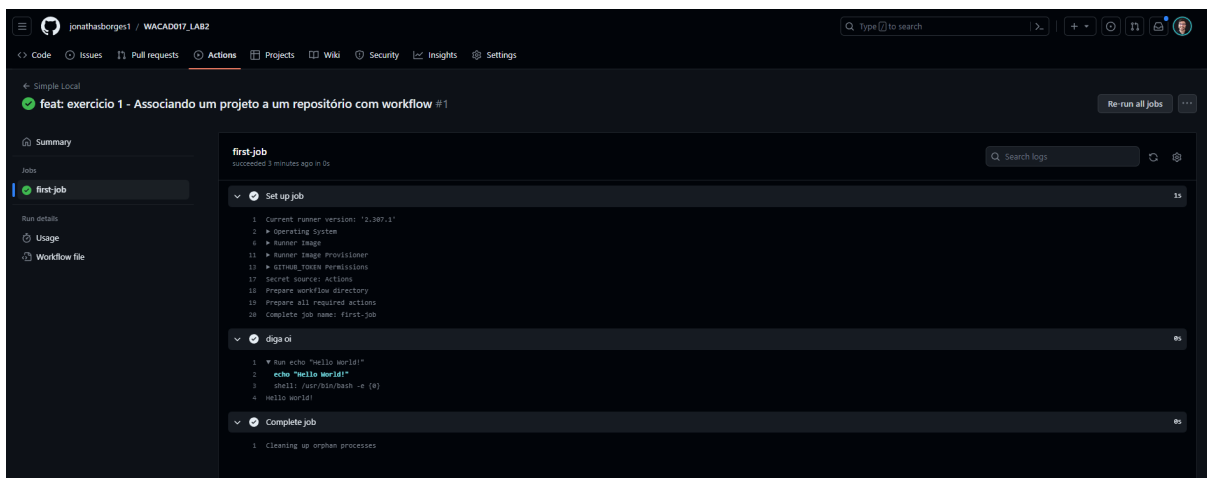


workflow

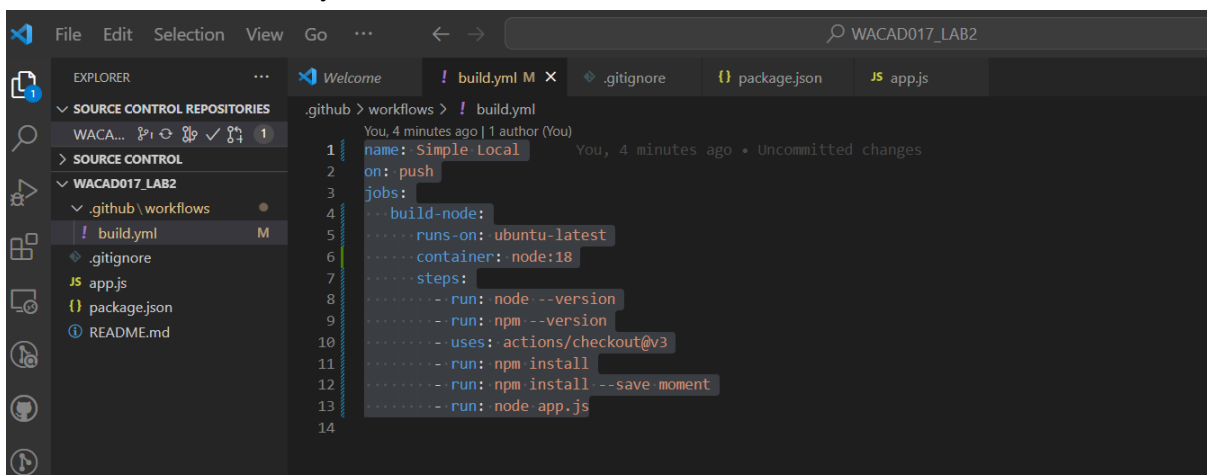


github action

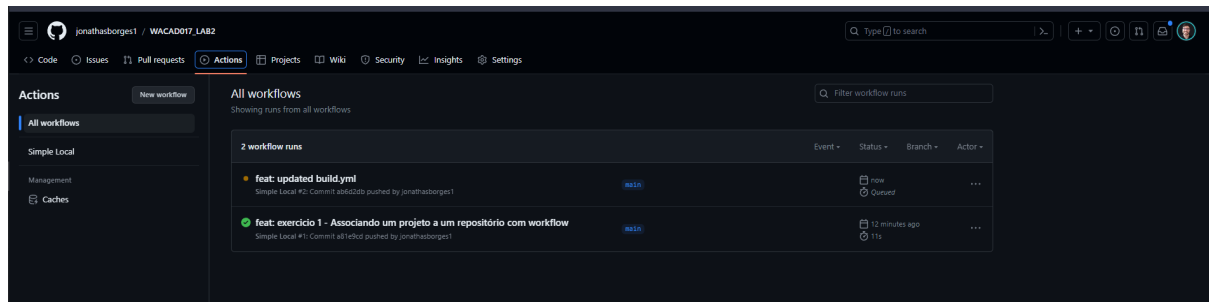
Detalhes do workflow



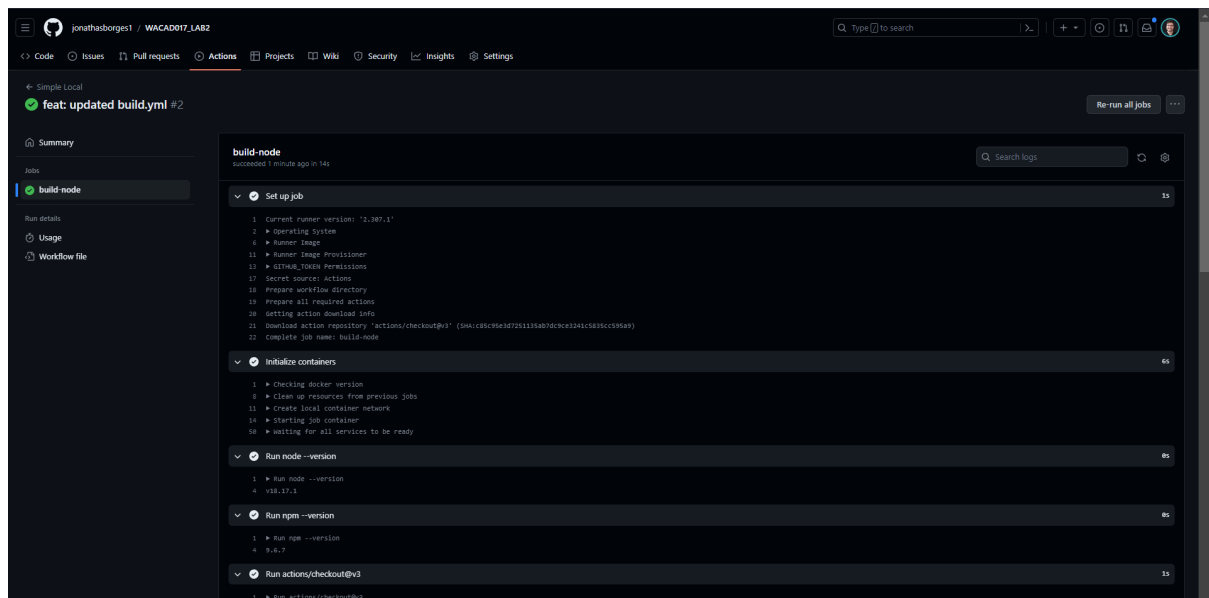
Vamos atualizar o build.yml



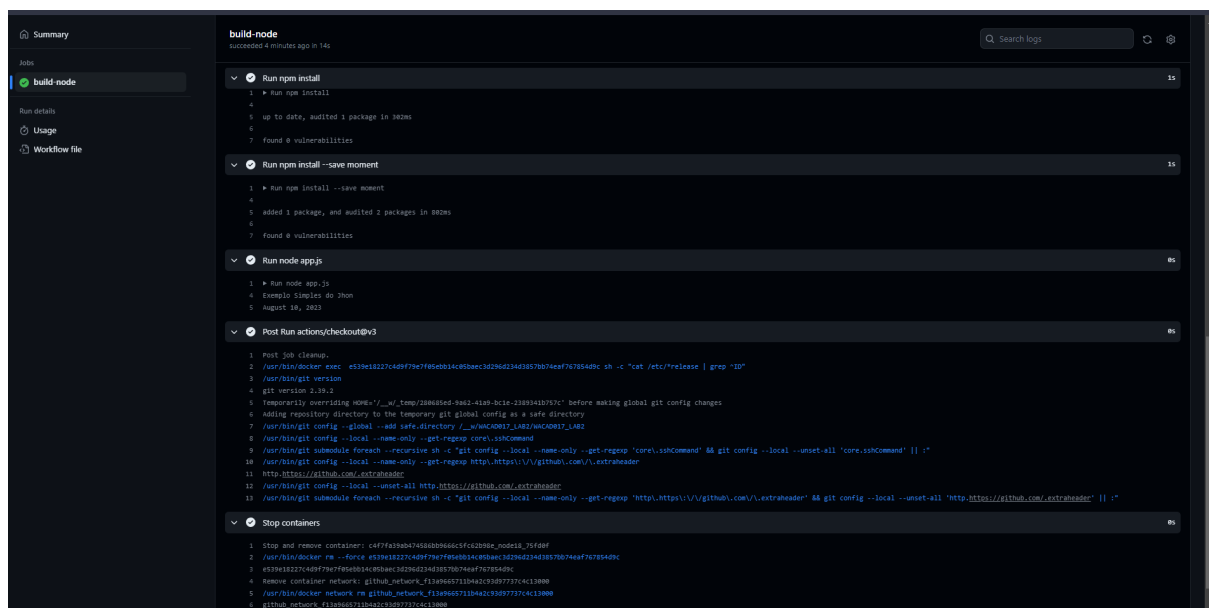
Action em execução



detalhes da action - 1/2



detalhes da action 2/2

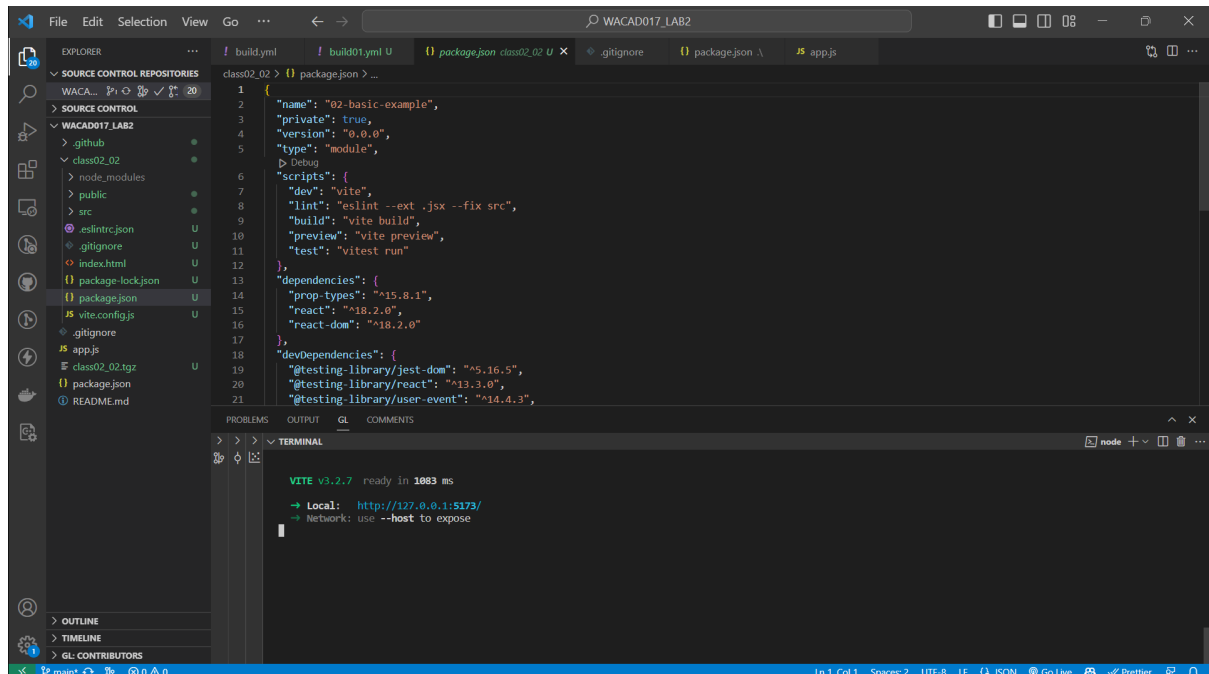


Parabéns!! Fim do exercício!

Exercício 02 - Criando um workflow com mais passos (e controlando alternativas de execução)

download do projeto - <https://colabweb.ufam.edu.br/mod/resource/view.php?id=48366>

Executando projeto - “npm install && npm run dev”



```
class02_02 > {} package.json > ...
1
2 {
3   "name": "02-basic-example",
4   "private": true,
5   "version": "0.0.0",
6   "type": "module",
7   "scripts": {
8     "dev": "vite",
9     "lint": "eslint --ext .jsx --fix src",
10    "build": "vite build",
11    "preview": "vite preview",
12    "test": "vitest run"
13  },
14  "dependencies": {
15    "prop-types": "^15.8.1",
16    "react": "^18.2.0",
17    "react-dom": "^18.2.0"
18  },
19  "devDependencies": {
20    "@testing-library/jest-dom": "^5.16.5",
21    "@testing-library/react": "^13.3.0",
22    "@testing-library/user-event": "^14.4.3",
23  }
24 }
```

PROBLEMS OUTPUT GL COMMENTS

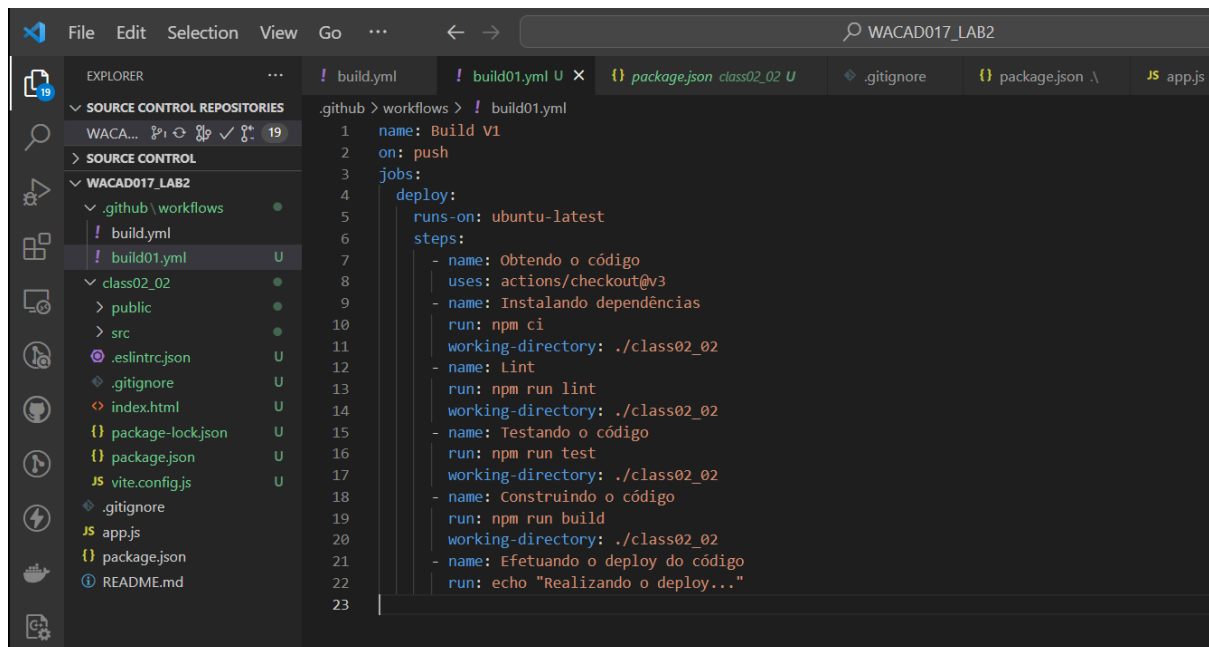
TERMINAL

VITE v3.2.7 ready in 1083 ms

→ Local: http://127.0.0.1:5173/

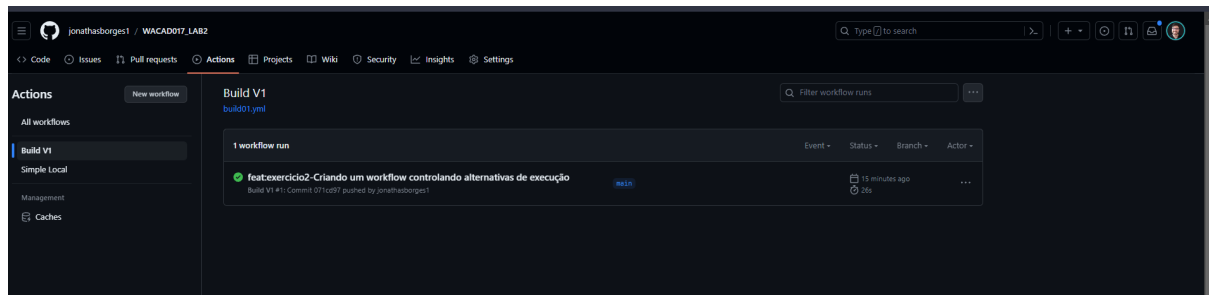
→ Network: use --host to expose

Adicionando build02.yml

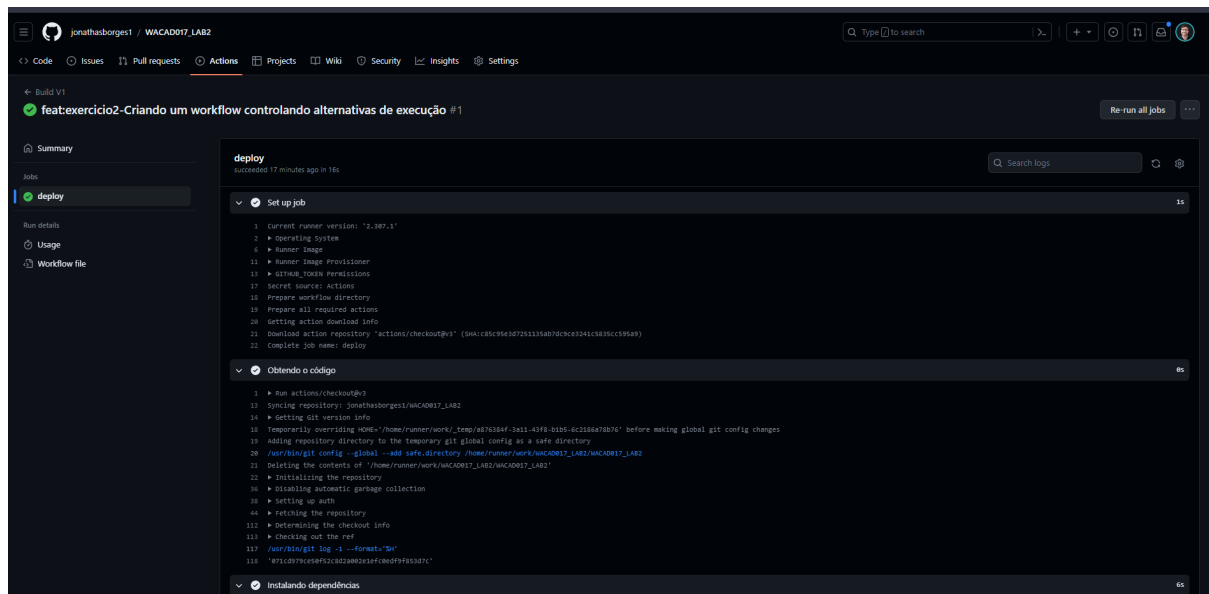


```
.github > workflows > ! build01.yml
1 name: Build V1
2 on: push
3 jobs:
4   deploy:
5     runs-on: ubuntu-latest
6     steps:
7       - name: Obtendo o código
8         uses: actions/checkout@v3
9       - name: Instalando dependências
10        run: npm ci
11        working-directory: ./class02_02
12       - name: Lint
13        run: npm run lint
14        working-directory: ./class02_02
15       - name: Testando o código
16        run: npm run test
17        working-directory: ./class02_02
18       - name: Construindo o código
19        run: npm run build
20        working-directory: ./class02_02
21       - name: Efetuando o deploy do código
22        run: echo "Realizando o deploy..."
23
```

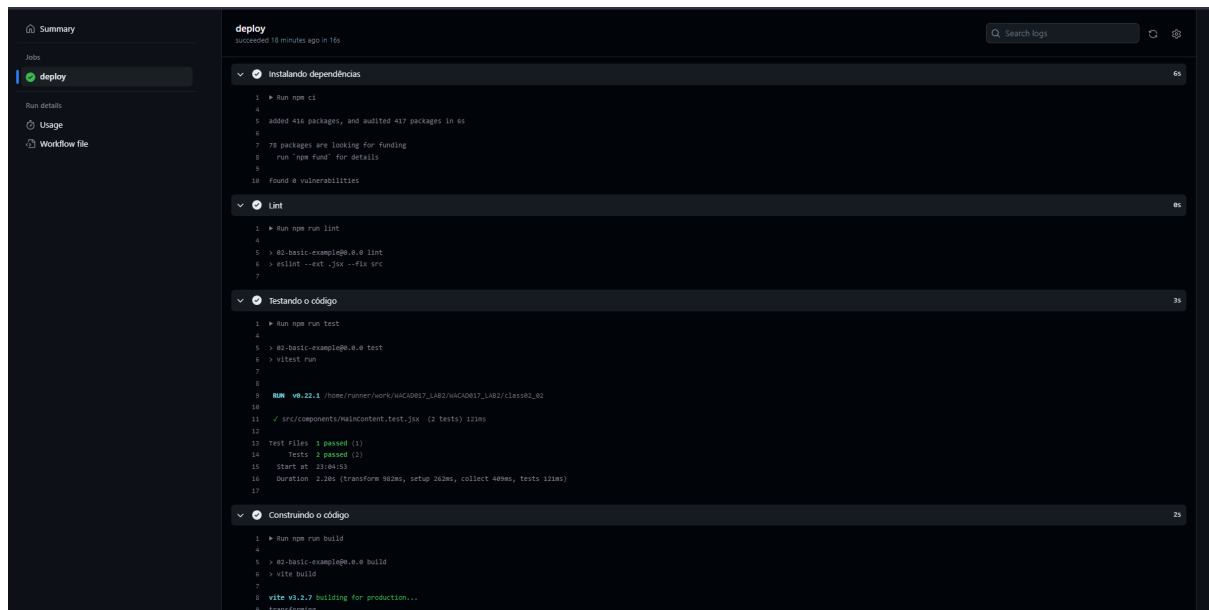
Build finalizada



Detalhamento da execução 1/3



Detalhamento da execução 2/3



Detalhamento da execução 3/3

Summary

Jobs

Run details

Usage

Workflow file

deploy

succeeded 18 minutes ago in 16s

Search logs

Testando o código

3s

16 Duration: 2.28s (transform 942ms, setup 362ms, collect 489ms, tests 128ms)

17

Construindo o código

2s

1 ▶ Run npm run build

4

5 > @2-basis-example@0.0.0 build

6 > vite build

7

8 vite v3.2.7 building for production...

9 transforming...

10 ✓ 44 modules transformed.

11 rendering chunks...

12 dist/assets/logo.7e4d220b.png 8.81 KiB

13 dist/index.html 0.44 KiB

14 dist/assets/index.5ed279d.css 8.71 KiB / gzip: 0.37 KiB

15 dist/assets/index.8c9af2ac.js 141.76 KiB / gzip: 45.89 KiB

Efetuating o deploy do código

0s

1 ▶ Run echo "Realizando o deploy..."

4 Realizando o deploy...

Post Obtendo o código

0s

1 Post job cleanup.

2 /usr/bin/git version

3 git version 2.41.0

4 Temporarily overriding HOME='/home/runner/work/_temp/6a33afaf-efb7-49a3-bc1c-9f89b3bc57e9' before making global git config changes

5 Adding repository directory to the temporary git global config as a safe directory

6 /usr/bin/git config --global --add safe.directory /home/runner/work/MACAD017_LAB2/MACAD017_LAB2

7 /usr/bin/git config --local --name-only --get-regexp core.sshCommand

8 /usr/bin/git submodule foreach --recursive sh -c 'git config --local --name-only --get-regexp core.sshCommand && git config --local --unset-all 'core.sshCommand' || :'

9 /usr/bin/git config --local --name-only --get-regexp http.https://github.com/\.extraheader

10 http.https://github.com/\.extraheader

11 /usr/bin/git config --local --unset-all http.https://github.com/\.extraheader

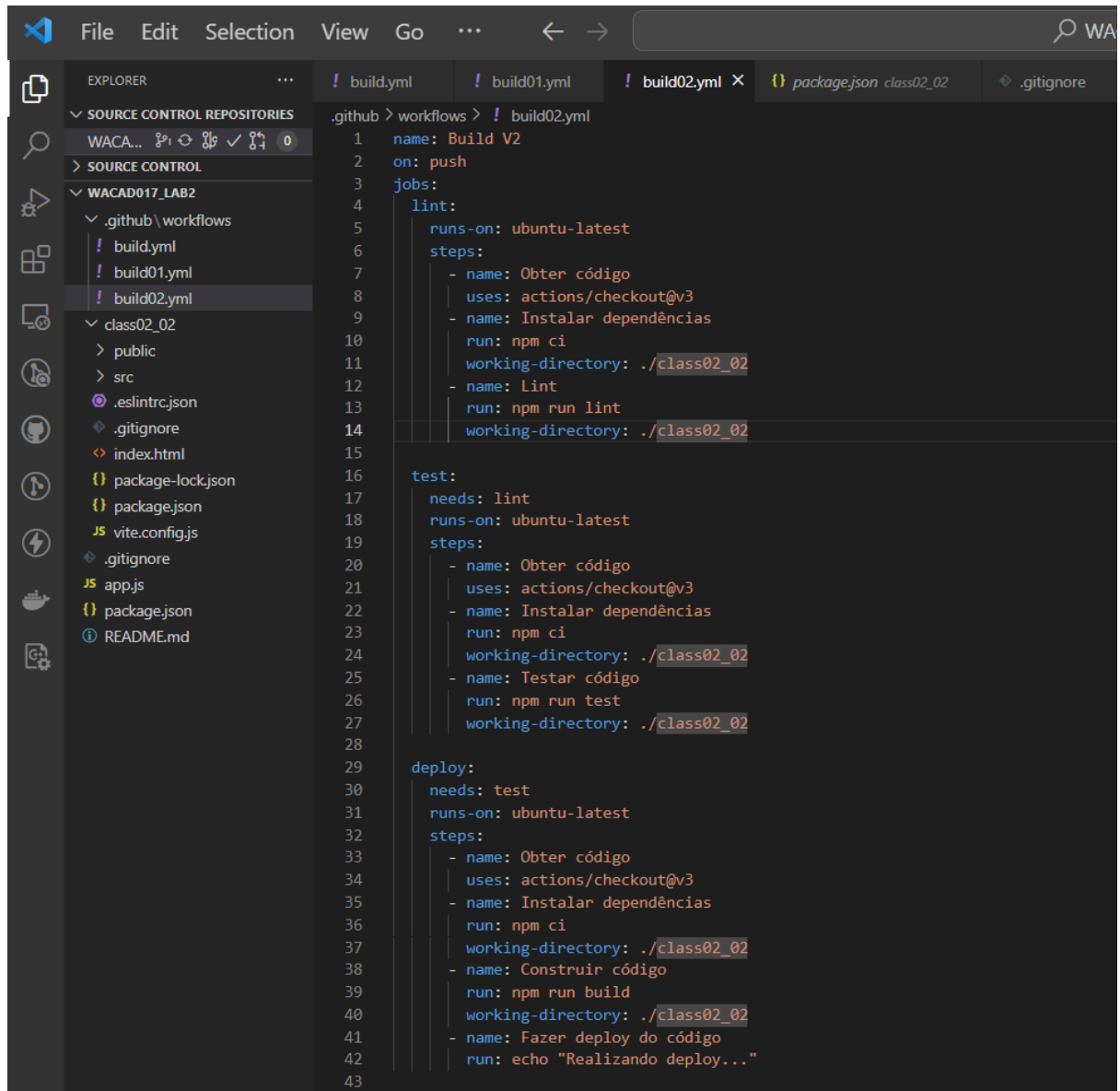
12 /usr/bin/git submodule foreach --recursive sh -c 'git config --local --name-only --get-regexp http.https://github.com/\.extraheader && git config --local --unset-all 'http.https://github.com/\.extraheader' || :'

Complete job

0s

1 Cleaning up orphan processes

Adicionando novo build03.yml



```
1 name: Build V2
2 on: push
3 jobs:
4   lint:
5     runs-on: ubuntu-latest
6     steps:
7       - name: Obter código
8         uses: actions/checkout@v3
9       - name: Instalar dependências
10        run: npm ci
11        working-directory: ./class02_02
12       - name: Lint
13        run: npm run lint
14        working-directory: ./class02_02
15
16   test:
17     needs: lint
18     runs-on: ubuntu-latest
19     steps:
20       - name: Obter código
21         uses: actions/checkout@v3
22       - name: Instalar dependências
23        run: npm ci
24        working-directory: ./class02_02
25       - name: Testar código
26        run: npm run test
27        working-directory: ./class02_02
28
29   deploy:
30     needs: test
31     runs-on: ubuntu-latest
32     steps:
33       - name: Obter código
34         uses: actions/checkout@v3
35       - name: Instalar dependências
36        run: npm ci
37        working-directory: ./class02_02
38       - name: Construir código
39        run: npm run build
40        working-directory: ./class02_02
41       - name: Fazer deploy do código
42        run: echo "Realizando deploy..."
43
```

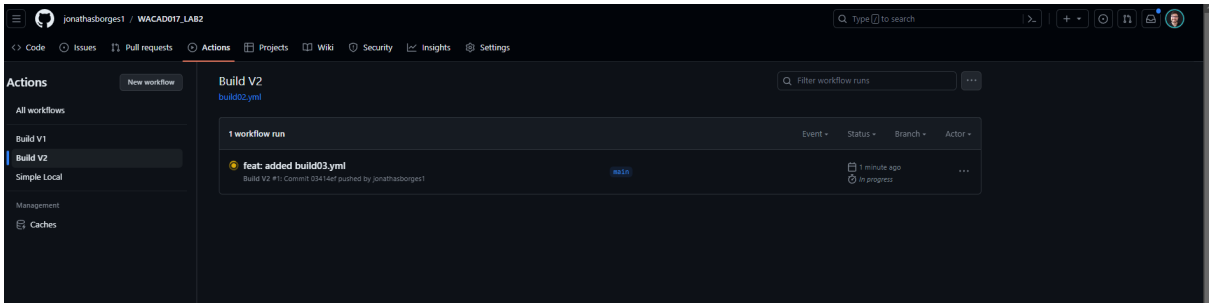
```
name: Build V2
on: push
jobs:
  lint:
    runs-on: ubuntu-latest
    steps:
      - name: Obter código
        uses: actions/checkout@v3
      - name: Instalar dependências
        run: npm ci
        working-directory: ./class02_02
      - name: Lint
        run: npm run lint
        working-directory: ./class02_02

  test:
    needs: lint
    runs-on: ubuntu-latest
    steps:
      - name: Obter código
        uses: actions/checkout@v3
      - name: Instalar dependências
        run: npm ci
        working-directory: ./class02_02
      - name: Testar código
        run: npm run test
        working-directory: ./class02_02

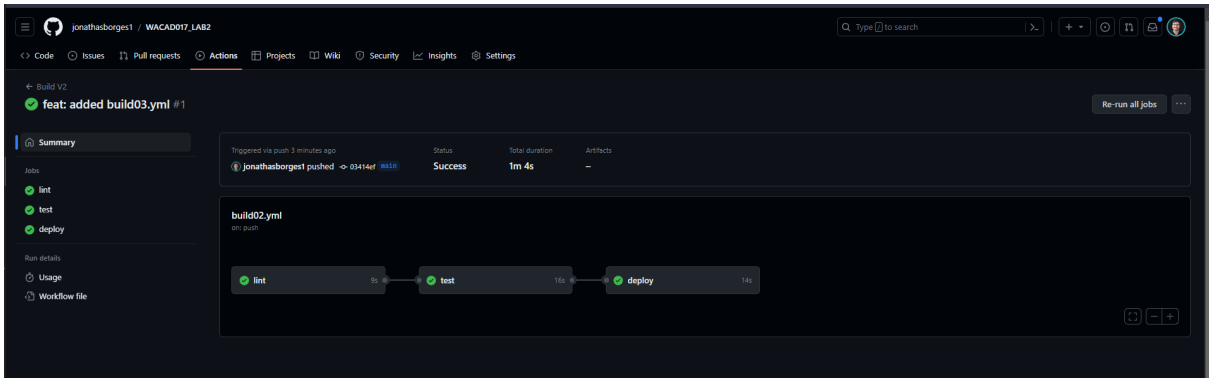
  deploy:
    needs: test
    runs-on: ubuntu-latest
    steps:
      - name: Obter código
        uses: actions/checkout@v3
      - name: Instalar dependências
        run: npm ci
        working-directory: ./class02_02
      - name: Construir código
        run: npm run build
        working-directory: ./class02_02
      - name: Fazer deploy do código
        run: echo "Realizando deploy..."
```

code - app.js

Execução do novo build03.yml



Detalhes da Execução build04.yml



Parabéns, você terminou o exercício!!