QA Testiranje Web Stranica

RESPONSIVEYE

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Pojmovi

QA - Quality Assurance

CICD pipeline - Continuous Integration / Continuous Development

Assertion

Testiranje web stranica

- Tipovi QA testiranja
 - Monkey test
 - Unit test
 - Visual regression testing
 - E2E (end-to-end) test
 - Acceptance test (UAT)
 - Integration testing

- Još tipova testiranja
 - Usability test
 - Performance test
 - Sanity test
 - Stress test
 - Security test
 - Smoke test
 - •

Ručni vs Automatizirani Testovi

- Ručni testovi su:
 - Sporiji
 - Lagano se testiraju kompleksni zahtjevi
 - Ne zahtjevaju maintenance

- Automatizirani testovi su:
 - Brži
 - Točniji su
 - Dugo treba da se napišu
 - Zahtjevaju inženjere
 - Zahtjevaju maintenance

Automatizirani QA Testovi

Pokreću se iz CICD pipelinea

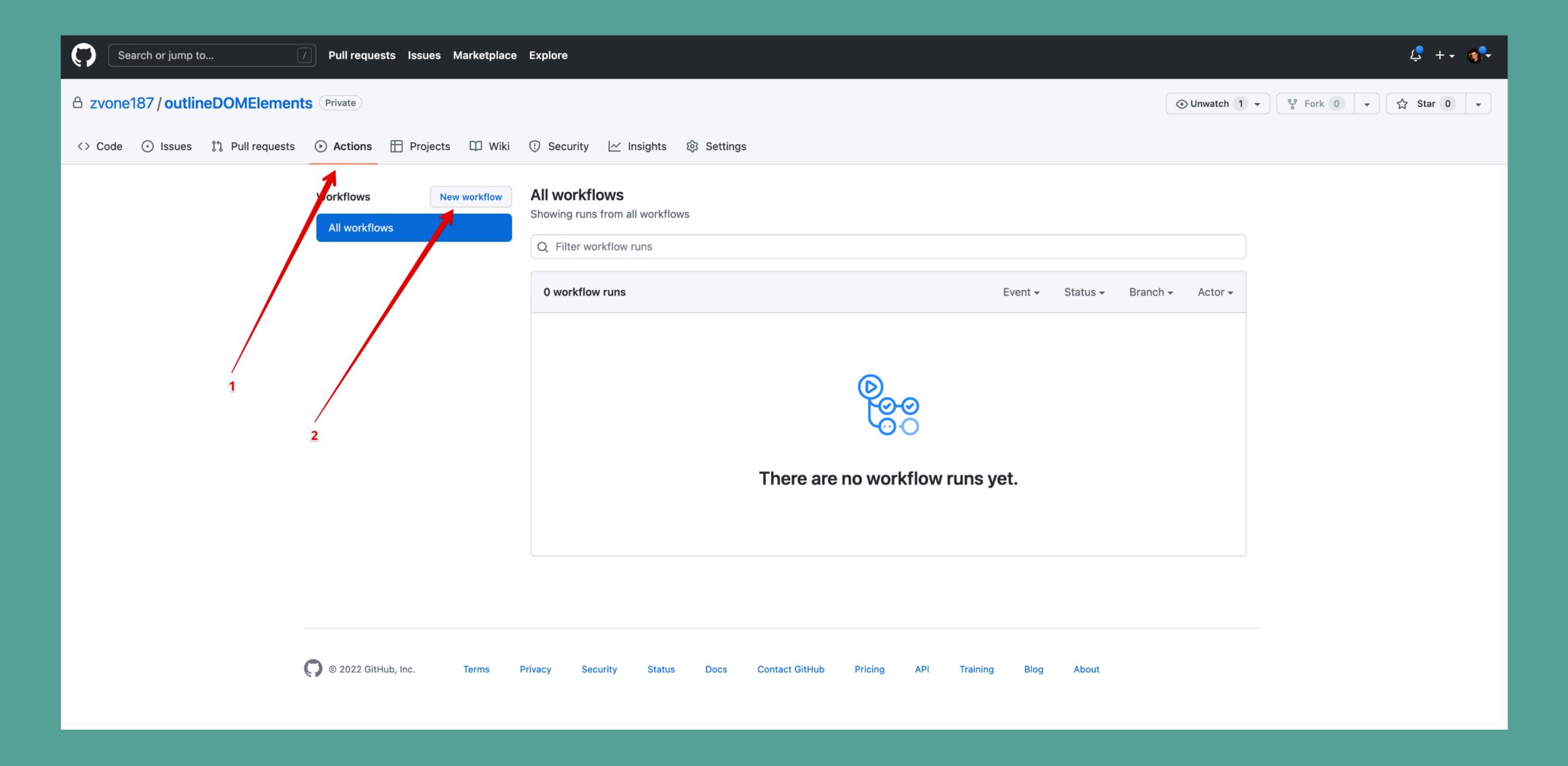
```
name: GitHub Actions Demo
    on: [push]
      Explore-GitHub-Actions:
        runs-on: ubuntu-latest
          - run: echo "> The job was automatically triggered by a ${{ github.event_name }} event."
          - run: echo "♠ This job is now running on a ${{ runner.os }} server hosted by GitHub!"
          - run: echo "♪ The name of your branch is ${{ github.ref }} and your repository is ${{ github.repository }}."
          - name: Check out repository code
11
            uses: actions/checkout@v3
12
          - run: echo "√ The ${{ github.repository }} repository has been cloned to the runner."
13
          - run: echo "■ The workflow is now ready to test your code on the runner."
14
          - name: List files in the repository
15
              ls ${{ github.workspace }}
16
          - run: echo " This job's status is ${{ job.status }}."
17
```



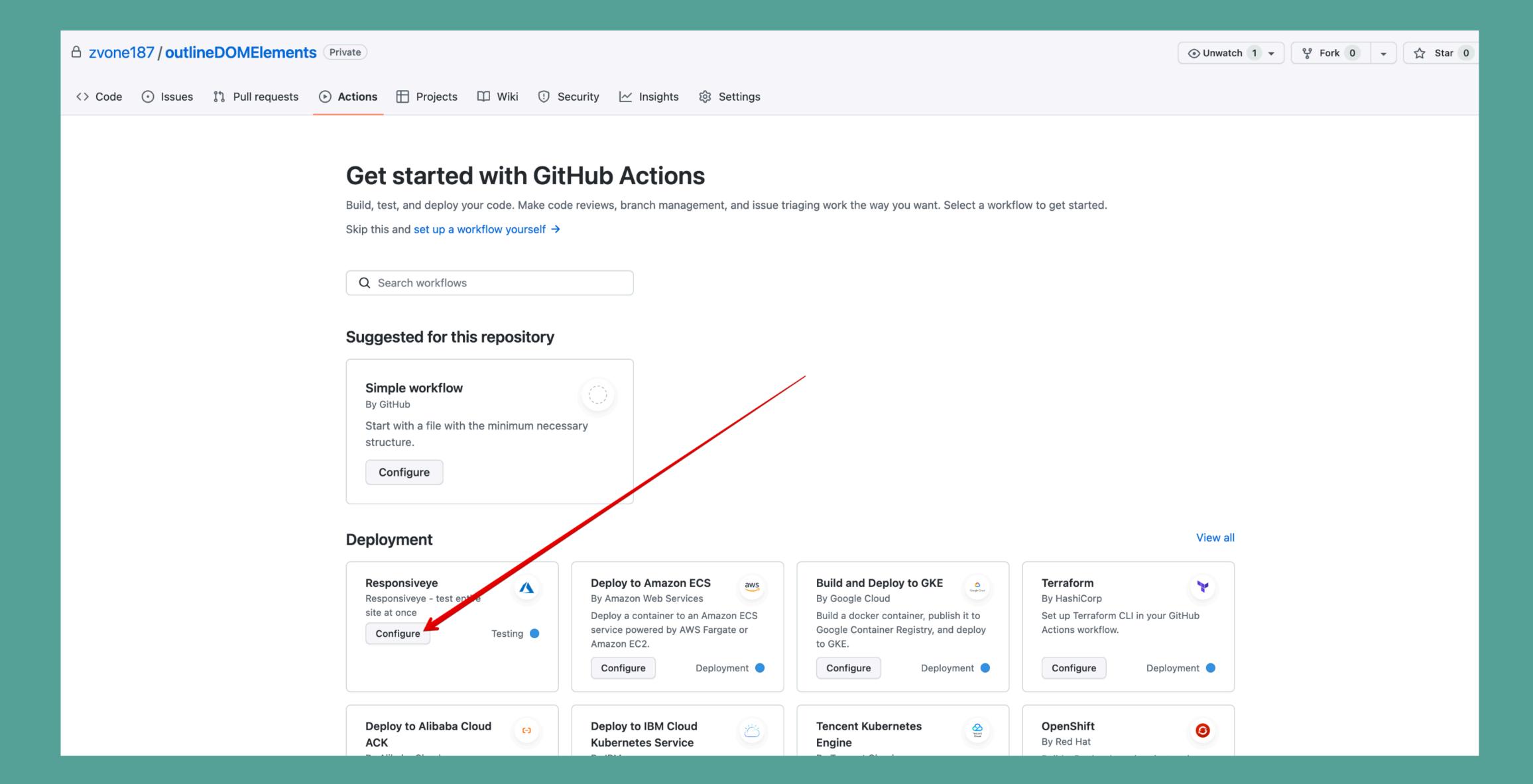




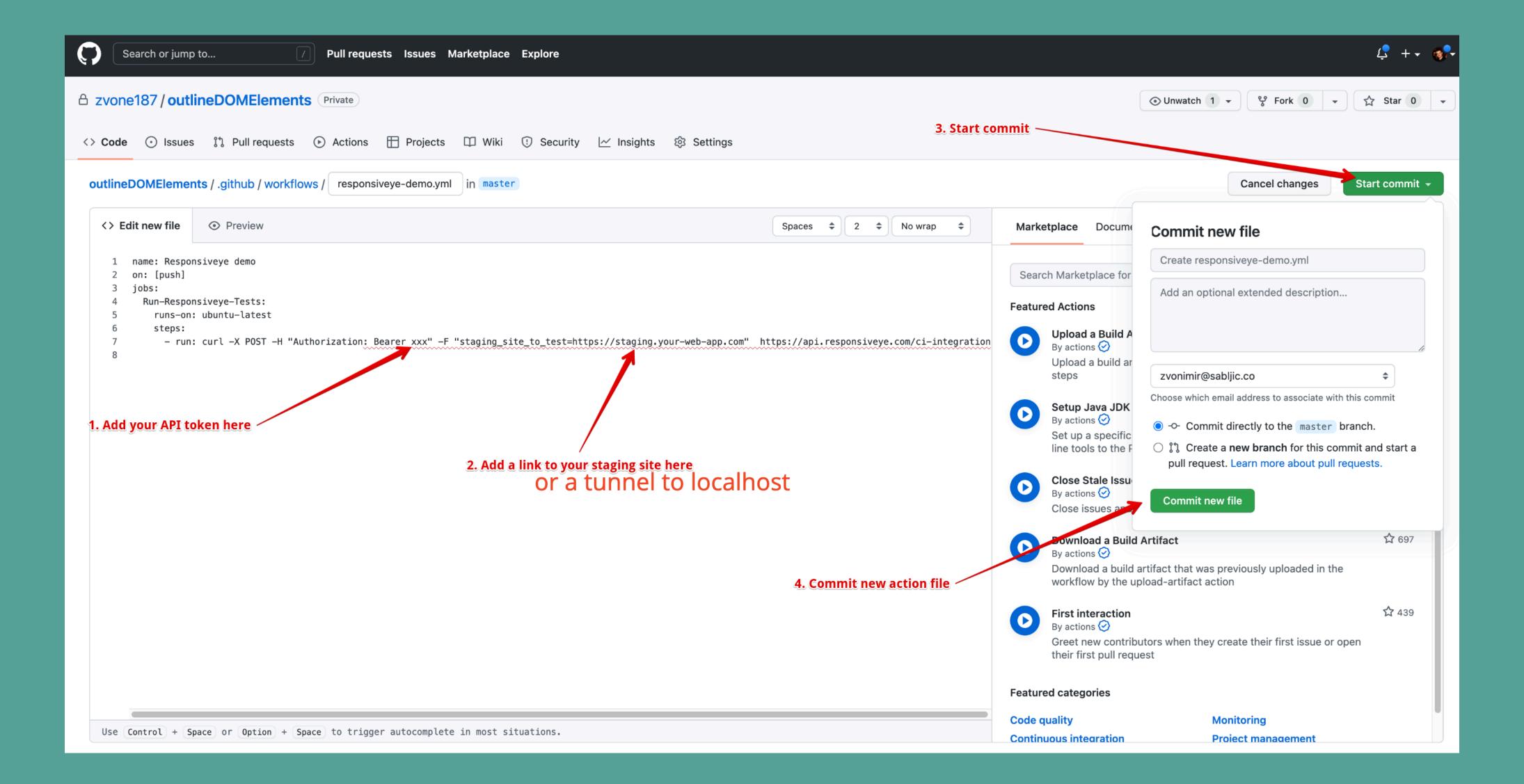
Github Actions



Github Actions



Github Actions



Tipovi QA testiranja Za web stranice

Unit Test

- Testiranje zasebnih dijelova koda
- Piše se u
 programskom
 jeziku sa
 frameworkom



Jasmine



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Jest

Integration Test

- Testiranje veza između zasebnih dijelova koda
- Testiranje API endpointova

Acceptance Test (UAT)

- Testiranje zahtjeva korisnika
- Bazirano na biznis logici
- Piše se mali broj putanja koje korisnik najčešće radi

Visual Regression Test

 Vizualno uspoređivanje stanja na stranici







Monkey Test

- Nasumično testiranje elemenata na ekranu
- Obuhvaća i nemoguće scenarije ali i obuhvaća one kojih se nije moguće sjetiti

E2E Test

- Testiranje SVIH dijelova stranice (frontend, backend, baza, itd.)
- Najzahtjevnija i najtočnija vrsta testiranja

Automatizacija E2E testova



- 1. Ručno pisanje testova
- 2. No code / Low code rješenja
 - Snimanje testova
 - Izrada dijagrama





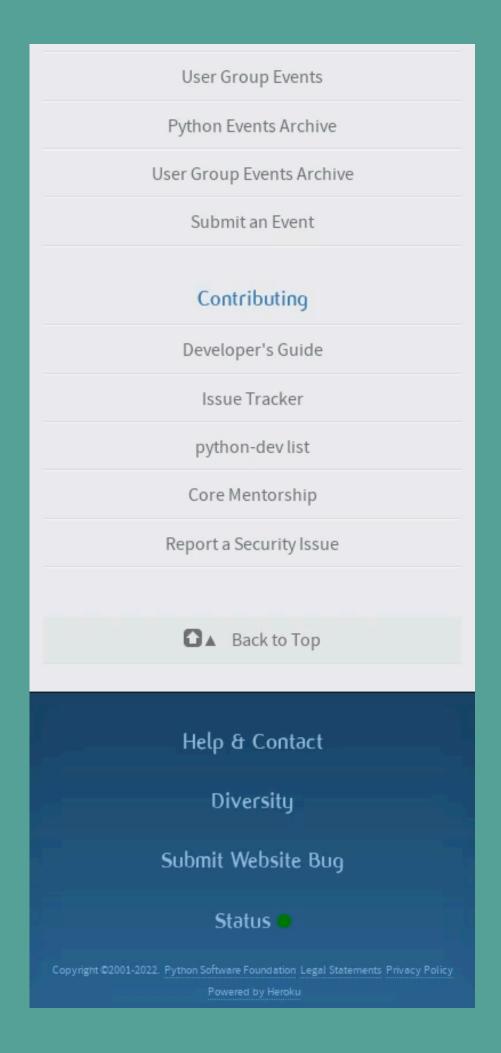


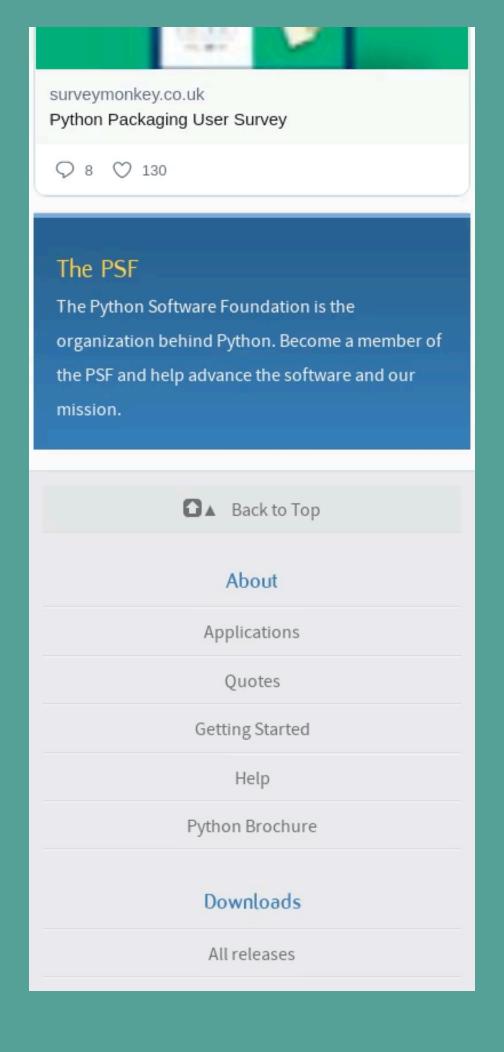
Responsiveye Alpha Funkcionalno testiranje

Prva platforma koja generira automatske E2E testove sama od sebe

- Postavljanje traje 3 minute
- Automatski se generiraju tisuće testova
- Testovi se pokreći na našim serverima u paraleli
- Rezultati su dostupni unutar nekoliko minuta

Responsiveye Alpha Funkcionalno testiranje





can browse the ActiveState Python Cookbook

Looking for Something Specific?

If you want to know whether a particular application, or a library with particular functionality, is available in Python there are a number of possible sources of information.

The Python web site provides a Python Package Index (also known as the Cheese Shop, a reference to the Monty Python script of that name). There is also a search page for a number of sources of Python-related information.

Failing that, just Google for a phrase including the word "python" and you may well get the result you need. If all else fails, ask on the python newsgroup and there's a good chance someone will put you on the right track.

Frequently Asked Questions

If you have a question, it's a good idea to try the FAQ, which answers the most commonly asked questions about Python.

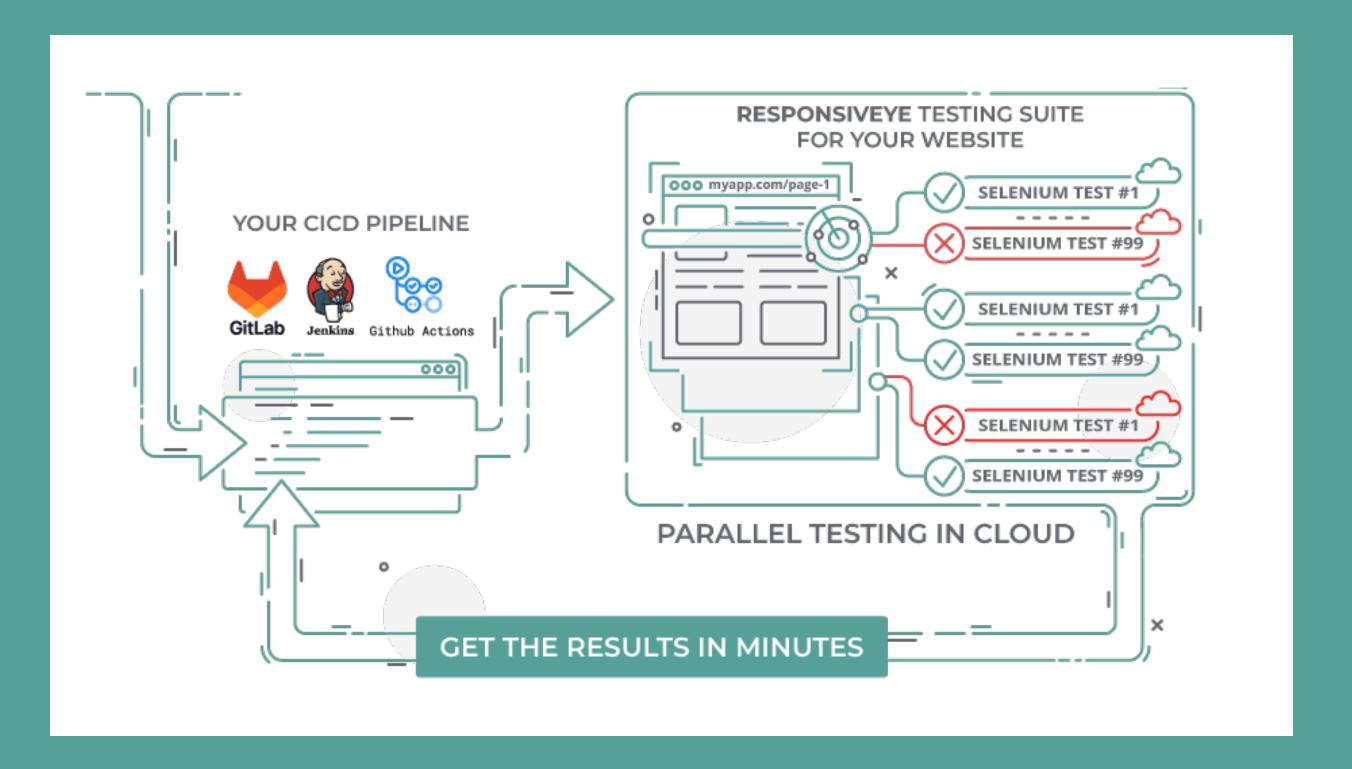
Looking to Help?

If you want to help to develop Python, take a look at the developer area for further information. Please note that you don't have to be an expert programmer to help. The documentation is just as important as the compiler, and still needs plenty of work!

Responsiveye Beta Funkcionalno testiranje sa snippetom koda

Potrebno je pasteati Responsiveye code snippet u HTML head

- Pokriva sve unikatne test slučajeve stranice
- Pokrivenost testova do 95%



Roadmap

Alpha Stage

0 user input for **up to 30%** test coverage

Beta Stage

JS code snippet to boost test coverage **to 95%**

Full release (v1.0)

Security features, on premise, reporting, and more...

Feedback? Pitanja?

Više detalja možete vidjeti na <u>https://responsiveye.com</u>

Ako želite isprobati Responsiveye, javite se nakon prezentacije pa možemo dogovoriti privatni demo