# CI Github Connection from VSCode: .github\workflows\ci.yml:

Githhub creds: username: Prince1Harsha, pass: shree7117

**ci.yml:**

name: Playwright Tests

on:

  push:

    branches: [main]

  pull\_request:

    branches: [main]

jobs:

  test:

    runs-on: ubuntu-latest

    steps:

      - uses: actions/checkout@v3

      - name: Setup Node.js

        uses: actions/setup-node@v3

        with:

          node-version: "20"

      - name: Install dependencies

        run: npm ci

      - name: Install Playwright Browsers

        run: npx playwright install --with-deps

      - name: Run Playwright tests

        run: npx playwright test

## Top-level attributes

* name:  
  The name of the workflow as shown in GitHub Actions UI.  
  [name: Playwright Tests](vscode-file://vscode-app/c:/Users/admin/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)
* on:  
  Specifies the events that trigger the workflow.
  + push: Runs when you push to the main branch.
  + pull\_request: Runs when a pull request targets the main branch.

jobs

Defines a set of jobs to run. Here, there is one job named [test](vscode-file://vscode-app/c:/Users/admin/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html).

test

* **runs-on:**  
  Specifies the type of runner to use.  
  runs-on: ubuntu-latest uses the latest Ubuntu VM provided by GitHub.
* **steps:**  
  A sequence of steps executed in order.

## ****1.Checkout code****

* - uses: actions/checkout@v3
* Checks out your repository code so the runner can access it.

## ****2. Setup Node.js****

- name: Setup Node.js

  uses: actions/setup-node@v3

  with:

    node-version: "20"

Installs Node.js version 20 on the runner.

## ****3. Install dependencies****

- name: Install dependencies

  run: npm ci

Installs all dependencies listed in [package.json](vscode-file://vscode-app/c:/Users/admin/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html" \o ") using a clean install (npm ci is faster and more reliable for CI).

## ****4. Install Playwright Browsers****

- name: Install Playwright Browsers

  run: npx playwright install --with-deps

Installs the required browsers and dependencies for Playwright tests.

## 5. ****Run Playwright tests****

- name: Run Playwright tests

  run: npx playwright test

Executes all Playwright tests in your project.