**Pa11y – Accessibility testing guide**

**What you will need**: Node.js and npm on your MacBook.

Run this command in project root to install Pa11y-CI: **npm install --save-dev pa11y-ci**

Create a File called **.pa11yci** in the root of project for configuration

An example of a **.pa11yci** file to show format of automated testing:

**{**

**"defaults": {**

**"timeout": 30000,**

**"standard": "WCAG2AA"**

**},**

**"urls": [**

**"http://localhost:5000",**

**"http://localhost:5000/page1",**

**"http://localhost:5000/page2"**

**]**

**}**

**For easier testing we can add this to the package.json :**

**"scripts": {**

**"test:accessibility": "pa11y-ci"**

**}**

**To run the tests manually start the instance of our app “dotnet run” and then use this command to run the checks: npm run test:accessibility this will trigger the script we made above**

**Integrating pa11y with GitHub actions: pa11y.yml to the workflows folder**

**name: Accessibility Testing**

**on:**

**push:**

**branches:**

**- main**

**pull\_request:**

**jobs:**

**accessibility:**

**runs-on: ubuntu-latest**

**steps:**

**- name: Checkout code**

**uses: actions/checkout@v2**

**- name: Set up Node.js**

**uses: actions/setup-node@v2**

**with:**

**node-version: '16'**

**- name: Install Pa11y CI**

**run: npm install --save-dev pa11y-ci**

**- name: Start .NET server**

**run: |**

**dotnet restore**

**dotnet build**

**dotnet run &**

**sleep 10**

**- name: Run Pa11y CI**

**run: npx pa11y-ci**