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NATHAN PATRICK
CREATING CODING CAREERS



28/07/2022

CASE STUDY

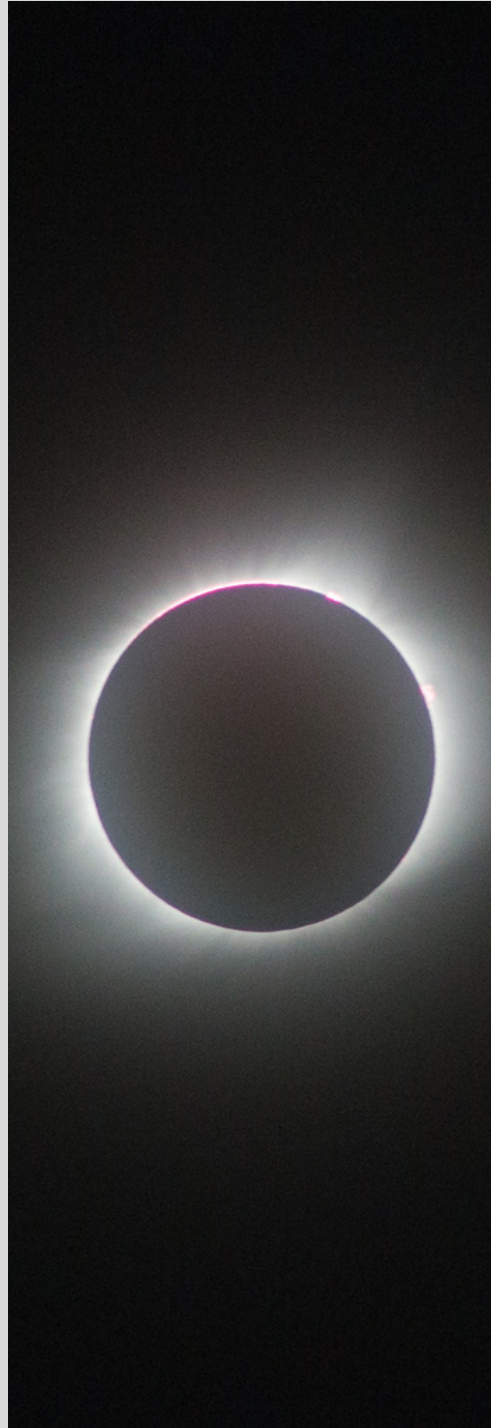
PROJECT
AUTOMATED QA TESTING FOR
WEBSITE USING NODEJS,
MOCHA, AND DOCKER

WEBSITE

- Company is building a website platform for users who want to learn programming to have access to educational resources.
- Website is a repository of assessments and other educational material for users to access.
- Over 190 users already signed up with accounts

PURPOSE OF WEBSITE

- Users access the website to receive important educational materials to further their learning goals.
- Administrators evaluate and choose what information is uploaded to which user for their learning needs.
- Website allows for easy dissemination of learning materials to users



PROBLEM

Website that used Docker needed to be tested to ensure that the website worked as intended

- Website lacked protocols and documentation for testing procedures
- Website was in early development and could change often
- Limited dedicated testers available

SOLUTION

Node.js package WebdriverIO with a Mocha Framework to build an Automated Testing suite for core features.

- Robust, repeatable tests usable even if the project's code changed
- Tested key essential elements and features of the code
- Clean descriptions of the test, with error checking in multiple places in the code.

