

# Module 5: Continuous Testing using Selenium

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## Case Study

edureka!

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## Module 5: Problem Statement

You've been hired as a Devops Engineer in a very young organization. The company is not following Devops Practices as of now. As a POC, you've been asked to demonstrate continuous testing on a sample website.

Write a selenium test case to authenticate user login and Integrate the use case with Jenkins.

Create a Jenkins Pipeline with the following specification:

1. The first job should deploy the website
2. The second job should test the user authentication on the website, by running the selenium test-case

### Approach to Solve

The website is checked-in at: <https://github.com/edureka-devops/selenium-website.git>

There are two ways to run this website:

1. On Jenkins, simply type “./build.sh” in execution shell after pulling from git repo
2. On Terminal,
  - a. Git clone the repo
  - b. cd into selenium-website/
  - c. Run command “./build.sh”
3. The website will be available on localhost:3001

Inspect the website to create the selenium test-case. Export the selenium jar file with all it's dependencies. Once done, upload the jar file along with website's source code on your git repository.

Finally, use your git repository in the Jenkins Pipeline for project execution.

If you want to delete the website setup from your system, execute the following code on your terminal:

```
sudo docker rm -f $(docker ps -a -q)
```