LearnDash
ACADEMY

Home   All Courses   About   Contact   My Account

Learn from Industry Experts

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam maximus tortor at diam gravida posuere.
Curabitur et malesuada mi.

View Courses

Alchemy LMS

07.07.2025

—

TechBees

19th May Batch

QE Full Stack domain

IBM, BCIT

Overview

This testing project focuses on the **Alchemy LMS** website, available at
https://alchemy.hguy.co/lms/, which is a demo e-learning platform. The website offers a

structured platform for online learning, with functionalities such as user login, course completion, lessons, and progress tracking.

We used **Selenium** with **Cucumber** to automate and validate the key functionalities across different features and flows.

Deliverables

1. **7 Gherkin feature files** covering core workflows of the Alchemy LMS website.
2. Corresponding **step definition files** using Selenium interactions.
3. Individual **test case templates** documenting each scenario with expected and actual results.
4. A working demonstration of the automated test case execution, showcasing the interaction with the site across all test scenarios.

Project Highlights

Frameworks Used:

- Selenium
- Cucumber (BDD Framework with Gherkin-style test cases)

Agile Approach:

- Test scenarios broken down into 10 individual **feature files using Gherkin**.
- Regular tracking and sprint planning done via **JIRA**.
- Code collaboration managed via **GitHub**.

Test Coverage:

- Home page content
- Home page navigation bar
- Contact page
- About page
- My Account page
- Successful Login
- Unsuccessful Login
- All Courses page content
- Topic completion in Social Media Marketing course
- Lesson completion in Email Marketing Strategies course

- Course completion for Content Marketing course

Workflow Diagram