

Automated Testing with AI – Summary

In this task, we used Selenium IDE to automate the testing of a web-based login page. The test scenarios covered both valid and invalid login credentials using the site <https://practicetestautomation.com/practice-test-login/>. The automated test recorded user interactions such as entering usernames, passwords, clicking the login button, and verifying if the correct success or error messages appeared. The test ran successfully, validating expected outcomes for each scenario.

AI enhances the testing process by improving efficiency, repeatability, and resilience. Compared to manual testing, which is time-consuming and subject to human error, AI-driven automation allows for faster execution of tests across multiple environments and datasets. Additionally, AI plugins in tools like Selenium or platforms like Testim.io can handle dynamic elements more intelligently, reducing script failures due to minor UI changes. Overall, AI in automated testing increases test coverage, reduces regression risks, and accelerates quality assurance workflows in software development.