![marlabs — driving digital agility]

Comprehensive testing solution improves effectiveness by increasing test coverage and enhancing existing test cases

Client

Our client is a college textbook publishing company that is helping lower higher education costs while increasing access and personalizing learning for students and faculty worldwide.

Challenge

The client wanted a technology partner to take complete charge of the quality analysis and enhance the existing testing test cases for their applications. These applications run on multiple e-devices and the client wanted to test the application on these devices. Their requirements include:

- Setting up a comprehensive QA process
- Supporting product testing across multiple platforms and multiple browsers
- Improving testing process with reduced cost
- Manual testing
- Automation testing using Selenium
- Maintaining test script using CI server

Marlabs Solution

The client chose Marlabs as their technology partner. We identified and analyzed the issues and developed a suitable test strategy using Ruby on Rails, Drupal, MySQL, and Selenium. Marlabs solution involved the following:

- Complete ownership of the entire QA
- Create automated scripts using Selenium with data driven framework, which can be reused during regression testing
- Detailed Regression testing to ensured prior releases defects did not re-appear in newer releases

- Set up CI server (Hudson) to run automated tests on scheduled time
- Improve the QA process according to client's needs.
- Help the editorial team to test the application on e-devices.

Technologies

- Ruby on Rails
- Drupal
- MySQL
- Selenium

Benefits

- Improved testing effectiveness by increasing test coverage/enhancing existing test cases
- Cost effective delivery with reduced defect leakage to production