

## Case Study

# End-to-End Testing Implementation for a K12 EdTech Service Provider

Magic  
EdTech

### The Client

The client is a tech-based education company that provides school curriculum, software systems, and educational services.

### The Challenge

The client needed someone to test their functionalities of sample links as well as a regression course checks based on web components such as slides, mechanics sandbox, Q&A game, guided tours, audio, video, grid, drag & drop, etc. for grades ranging from K-12.

### Critical Success Parameters

- ✓ Perform cross-browser and mobile device testing.
- ✓ Testing regression samples on platforms like OLS, D2L, and Helix in Prod CALMS and Calms QA.
- ✓ Regular sample files upload on Prod CALMS and Calms QA with the help of CAT and DAM tools.
- ✓ Active collaboration and participation in meetings for better transparency and updates.

### Our Approach

- ✓ Created a robust test coverage regression suite and regularly upgraded it for new and updated features.
- ✓ Tested regression samples and new feature updates across browsers and mobile devices.
- ✓ Created smoke tests for deployments in various regression platforms.
- ✓ Organized all samples properly to find the component's location easily and compare its expected behavior.



### Key Result Highlights

**100%** test execution in each iterations.

Our development team reduced the recurring issues in apps by **70%**.