



Test Triangle's Test Advisory and Automation services helped a leading e-commerce provider in increasing their test coverage by 40% and reducing the test cycle time by 70%

Case Study



**TEST
TRIANGLE**
Trusted Partner in IT Consulting

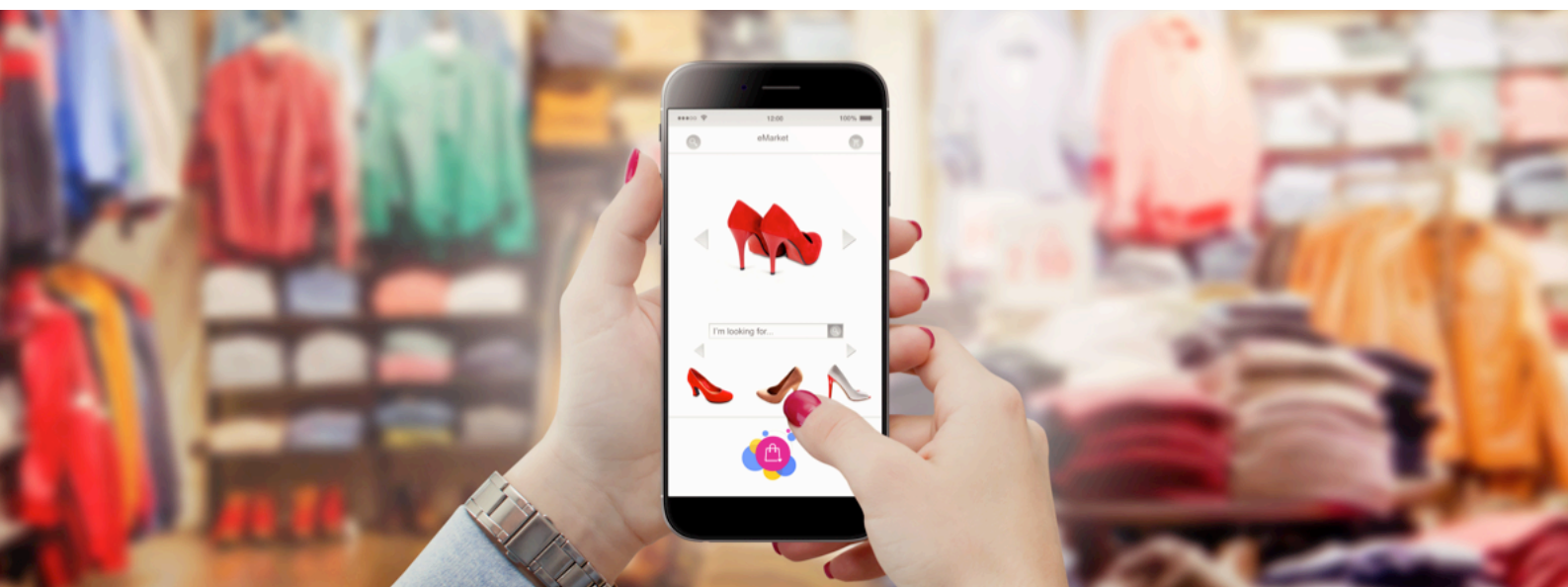
| Our Client

Our client is a leading e-commerce organization in India selling more than 80 million products in different industry verticals including footwear, laptops, sports, mobiles and clothes industry. Founded in 2007, the company has strong presence in Indian subcontinent with 100 thousand sellers and more than 100 million registered users.

| Project Challenges

The client associated with Test Triangle to gain support in automating the test suite for their e-commerce website. The key requirements of the client were:

- A robust framework so that additional test scenarios can be added anytime with minimal change in code
- The test data can be easily changed at a later point of time without any potential impact on the existing scripts
- Better test coverage for the constant upgrade in application's features
- Reducing the time and cost extensive manual test cycles



| Test Triangle's Solution

Test Triangle partnered with the client to gain complete understanding of the application and the project requirements. Our test engineers proposed a hybrid framework using Selenium and Behavior Driven Development (BDD).

- The understanding of the existing test process helped in creating a structured methodology and approach for the automation process
- We created both positive and negative test scenarios and created extensive test data for maximum test coverage
- A comprehensive regression test suite was created according to the client's requirements
- Test Triangle implemented proper test data management and keywords, using Selenium, Jenkins, Page Object model design with help of C# programming language

| Benefits Achieved

- Our automation solution drastically reduced approximately 50% manual efforts
- Our automation testing suite reduced the test cycle time by 70% as well as the test suite maintenance cost
- Increased automation coverage by 30% and overall coverage by 40%
- Implementation of Agile automation testing helped to improve ROI with early breakeven point
- CI pipeline improved the overall quality standards and encourages the team to push every change without being afraid of breaking anything
- Enhanced knowledge transfer by building a repository to support new team members

About Test Triangle

Originally founded in 2012, Test Triangle has become a leader in IT consultancy services providing services in application testing, DevOps, RPA, Custom software development, mobile app development, Atlassian consultancy, niche IT staff augmentation and training in advanced technologies. Test Triangle is headquartered in Ireland; but it also has branch offices in London, United Kingdom, and Hyderabad, India. We have exponentially grown to become a team of 200+ members providing services in different verticals such as Banking & Finance, Utilities, Pharma, Retail, IT & Education etc.

Test Triangle's R&D department has created a propriety platform, Test Outsourcing Dashboard [TOD] which can be used to manage software testing lifecycle using collaboration tools like email, live chat, video conferencing. We have also launched a self-service testing platform (the premium version will be released as SaaS solution), which can provide a project overview and real-time updates of the software development lifecycle.

Over the years, we have established the reputation of being a 'trusted partner in IT consulting'. Test triangle is an agile software company, which constantly strives to exceed the expectations of its clients. We adopt the software testing and software application lifecycle to meet the customer's demand in an efficient and reliable manner. With a global workforce, we have proved ourselves in delivering tight-deadline projects.

We are proud to declare ourselves a client of Enterprise Ireland and European commission.



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