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## Automated Regression Testing

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### Overview

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- Automation of regression test suite to enable a more convenient, efficient, and repeatable execution of those tests.
- HP (Mercury) Quality Center was used as the test management suite for preparation of test cases, execution of test cases and for reporting defects.
- HP (Mercury) Quick Test Professional was used for automating regression testing and smoke testing
- The team made sure that the application went to production without any requirement defects leveraging their thorough business understanding of the domain.

### Profile

A leading tax preparation company.

### Business Issue

Due to time constraints, conventional regression tests were being ignored, leading to defects in production. Require automation of regression test suite to enable a more convenient, efficient, and repeatable execution of those tests.

### UST Approach

- Studied the requirements to gain complete knowledge on the application to design test cases.
- HP (Mercury) Quality Center was used as the test management suite for preparation of test cases, execution of test cases and for reporting defects.
- HP (Mercury) Quick Test Professional was used for automating regression testing and smoke testing.

### Benefits

- The team made sure that the application went to production without any requirement defects leveraging their thorough business understanding of the domain.
- Multiple cycles of regression testing carried out to ensure that all the high severity and high priority defects were tracked to closure before each release of the application to production.
- Reduced time to carry out the production dry run (smoke test).
- Ensured that the complete regression test fulfilled the original requirements.