

Automation Testing

FCS Automation Services helps you to apply best practice and implement tools effectively to achieve the optimum return on their investment and provide real benefit to the projects in which they are implemented. Our extensive knowledge in building high quality testing harnesses and frameworks provides clients with an expert partner to make their project a success.

Test Automation services helps our clients to achieve the best returns on their investments by reducing the overall costs in development and testing activities.

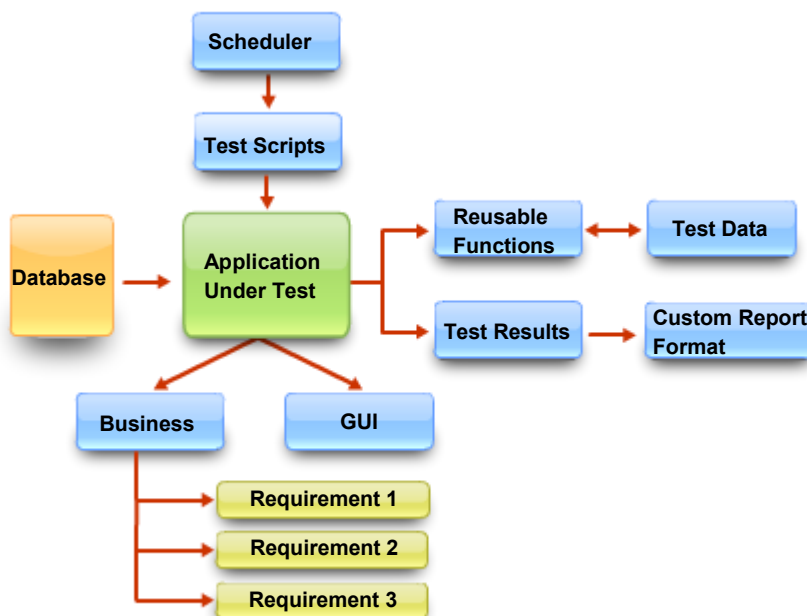
Manual testing can be described as a situation where a person initiates each test, interacts with it, and interprets, analyzes, and reports the results.

Software testing is automated when there is a mechanism for tester-free running of test cases. Test automation services are built to reduce the testing cycle time, eventually enhancing the testing productivity. With test automation in place, user has the ability to run complete set of test cases or can choose sub set of test cases to execute on each build.

Our Approach:

FCS has designed systematic methodology by utilizing its extensive experience and research for implementing test automation process.

We use this process to conduct software test automation for a variety of applications.



Supported Technologies and Applications:

FCS has vast experience in dealing with automation of the below technologies.

- Client/server applications
- Web based applications
- Stand-alone products
- Database products
- Oracle application
- ETL
- OBIEE
- OWB

Features:

- Ability to run complete regression suite for each build overnight
- Ability to run a subset of test cases
- No intervention is needed after launching the tests
- Automatically sets-up and/or records the relevant test environment parameters
- Runs the test cases across various test environments (different OS/browser)
- Captures the relevant results
- Compares actual with expected results
- Analyzes and reports pass/fail for each test case and for the test run



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Key benefits:

- **Reduced Testing Costs:** FCS approach reduces costs in number of ways
 - Automation scripts are all designed to be reusable. This significantly reduces maintenance costs
 - FCS architecture provides a seamless transition from manual tests to automated tests. This significantly reduces the work required to automate manual tests.
 - FCS architecture reduces the need for expensive tool experts
- **Monitoring Quality :**
 - FCS requirements-driven risk-oriented approach to testing is designed to focus on effort where it will have the most benefit. Test cases are prioritized based on business need and then automated to give the highest returns.
 - Consistency across test runs
 - Better speed in executing tests.
 - Human errors can be avoided.
- **Improved Regression Testing:** FCS testing approach is designed to ensure flexible, repeatable regression tests over every build. This helps to identify bugs early in software development life cycle, thus reducing overall bug fixing costs.
- **Consistent, High Value Consultants:** Our consultants transfer knowledge to our clients during projects to foster our clients' ongoing success.
- **Improved Management Control:** The comprehensive, consistent testing approach defined by FCS provides the controls, guidelines, deliverables, and metrics to efficiently test and give management visibility the progress and effectiveness of the testing effort.
- **Tool Independent Automation Architecture :** Tool can be changed without changing the automation architecture
- **Domain specific & Tool specific experts:** FCS has domain specific and tool specific experts and can work on any automation methodology. They can develop automation through tool or script.
- Reduce the cost of failure of your product and increase test coverage within limited time frames using Test Automation
- With the latest test automation strategies and global resourcing allows FCS test automation solutions that
 - Gain ground on software testing coverage
 - Cut down software testing cycle times
 - Save time
 - Save money
 - Step down software defects
 - Gain ground on software quality

Automation Test Methodology:

FCS has vast experience in dealing with various kinds of applications and domains. We provide following services.

- Analyzing the Requirements
- Identifying the most reusable business cases
- Identifying the best suited tools to automation the business case
- Proof of concept
- Develop custom framework to suite the business needs which is scalable and portable across various test environments
- Prepare the automation suites with reusable functions
- Prepare the test data
- Prepare the GUI with necessary controls to execute the automation suites
- Capture the base data
- Execute the test scripts with the help of scheduler
- Capture the test results and analyze with base data
- Report inconsistencies and provide various kinds of reports for management.

