TechMileage Universal Framework (TUF)
For
Software Testing Automation
TUF is a common framework for Automation of Software Applications on set of widely used platforms, architectures and technologies.

- TUF can be used for Data Driven, Keyword Driven and for hybrid testing approach as well.

- TUF supports testing of Web, Mobile (iOS, Android and Windows) and backend applications

- TUF supports REST Web Services / SOA based applications.

- TUF Architecture maximizes the reusability of components across applications and modules.

- TUF is 100% based on open source technologies
TUF Architecture For Test Automation
Example – TYPE “XXXXX” in USERNAME
USER ACTIONS LAYER

Example – **TYPE USERNAME**

UAL provide the application specific implementation for user interactions. UAL is reusable within the same application. Provides support for Web, Mobile and Backend Technologies.
Example - **TYPE**
TUF Architecture

• Three layered architecture allows the maximum reusability at functional level.

• TUF Supports
  • Manual execution of Test suits / Test Cycles
  • On demand execution of Test suits/Test Cycles (via Email or Batch)
  • Reporting via Email or Dashboard
  • Cloud based Administration/Management (in progress)

• **Manual Test cases reusable in Automation Testing** – Test cases written by users can be directly used for automation. Saving time and effort for QA teams.

• Supports multiple platforms including Web, Mobile and SOA based applications.

• Provides a dashboard to view results and enter test cases.
Why TUF For Automation?

- Easy to learn and understand.
- Maximum Reusability of components due to layered framework
- Open Source Technologies
- Can be used for Regression and Functional Testing
- Can be applied to quite complex applications and scenarios
- Can support wide range of platforms and applications
- Proven and implemented at multiple clients (including a multi billion dollar education company)
- Cloud based Admin and Management (in progress)
TUF Automation Examples

- Mobile - http://www.techmileage.com/videos/MobileTestAutomation_ios.mp4

- Facebook chat application testing - http://www.techmileage.com/videos/FaceBookChat.mp4

Our Testing / QA Services

• Manual and Automation Testing on Mobile, Web and Backend Platforms
• Unit, Functional and System Integration Testing
• Performance and Load Testing
• Integration/Systems Testing
• User Interface Testing
• Security Testing and Analysis
• Usability Testing and Reviews
Other Tool Expertise

- QTP, SeeTest, FoneMonkey
- SOAP UI – Web Services and SOA applications
- Load runner
- Jmeter – Performance and load testing