Community Test Suite
Test Automation for Demandware SiteGenesis

Structure

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Test Automation

- Reasons for <u>automated standard test cases</u>
  - Keep your head free for testing of chosen features
  - Focus on pain points of special cases
  - Get a fast quality statement on your basic processes
  - Stabilize your builds with solid regression tests and build integration
- Support for <u>project life cycle</u> and reduce risks of failure
  - Initial development
  - New features
  - Hotfixes

Test automation ensures basic quality of main functions!

Test Suite – Intention

- Existing test suite became complex

- Need for a small and clearly structured suite

- Collect testing experience

- Best practices to build an automation suite

- Everybody can use it, extend it, improve it and change it!

A great starting point for test automation.

Test Suite – Use Cases

Introduction

- Demonstration of test automation
- Easy entry point with fast learning curve

Existing projects

- Collection of examples and concepts
- Idea generator for quality assurance

New projects

- Shops based on SiteGenesis by Demandware

A handy reference test suite for everybody.

Basic Concepts – Test Cases

- Standard functionality
- Structured by shop areas

- Simulate shopping behavior
- Focus on buying process parts

- Cover different test paths
- Build up on atomic modules

tests
▶ tests.account
▶ tests.browse
▶ tests.cart
▶ tests.checkout
▶ tests.search

Basic Concepts – Modules

XLT

- Collect commands and comments
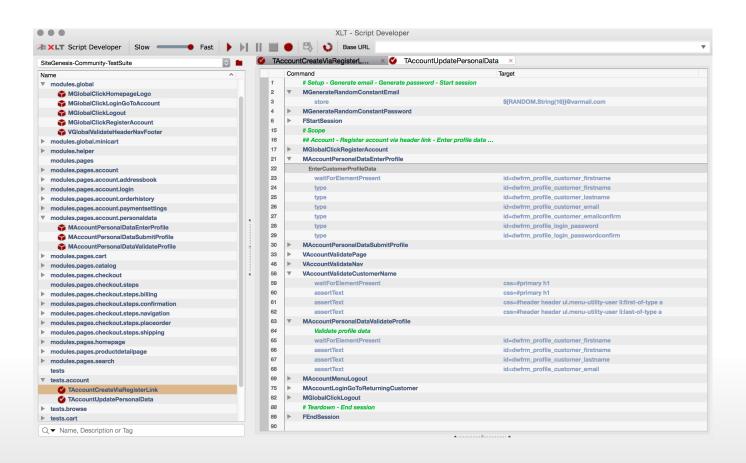- Structured by shop pages
- Reused in different tests

Special Modules
- Validation (focus on evaluation)
- Flow (cover longer processes)

▶ modules.pages.account
▼ modules.pages.account.addressbook
  📦 MAccountAddressBookClickCreateNewAddress
  📦 MAccountAddressBookClickMakeDefault
  📦 MAccountAddressBookEnterAddress
  📦 MAccountAddressBookSubmitAddress
  📦 VAccountAddressBookValidateAddress
  📦 VAccountAddressBookValidatePage
▶ modules.pages.account.login
▶ modules.pages.account.orderhistory
▶ modules.pages.account.paymentsettings
▶ modules.pages.account.personaldata
▶ modules.pages.cart
▶ modules.pages.catalog
▶ modules.pages.checkout
  modules.pages.checkout.steps
▶ modules.pages.checkout.steps.billing
▶ modules.pages.checkout.steps.confirmation
▶ modules.pages.checkout.steps.navigation
▶ modules.pages.checkout.steps.placeorder
▶ modules.pages.checkout.steps.shipping

Live Demonstration

References

- Community TestSuite
  - https://xceptance.github.io/SiteGenesis-Community-TestSuite
  - Project website (GitHub pages)

- GitHub
  - https://github.com/Xceptance/SiteGenesis-Community-TestSuite
  - Source code (with readme)
  - ScriptDoc documentation