

Community Test Suite

Test Automation for Demandware SiteGenesis

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- Reasons for automated standard test cases
 - 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 project life cycle and reduce risks of failure
 - Initial development
 - New features
 - Hotfixes

Test automation ensures basic quality of main functions!

- 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



Basic Concepts - Modules



- 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



XLT - Script Developer

SiteGenesis-Community-TestSuite

modules.global

- MGlobalClickHomepageLogo
- MGlobalClickLoginGoToAccount
- MGlobalClickLogout
- MGlobalClickRegisterAccount
- VGlobalValidateHeaderNavFooter

modules.global.minicart

modules.helper

modules.pages

- modules.pages.account
- modules.pages.account.addressbook
- modules.pages.account.login
- modules.pages.account.orderhistory
- modules.pages.account.paymentsettings
- modules.pages.account.personaldata
 - MAccountPersonalDataEnterProfile
 - MAccountPersonalDataSubmitProfile
 - MAccountPersonalDataValidateProfile
- 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
- modules.pages.homepage
- modules.pages.productdetailpage
- modules.pages.search

tests

- tests.account
 - TAccountCreateViaRegisterLink
 - TAccountUpdatePersonalData
- tests.browse
- tests.cart

Q Name, Description or Tag

Base URL

TAccountCreateViaRegisterL... TAccountUpdatePersonalData

Command	Target
1 # Setup - Generate email - Generate password - Start session	
2 MGenerateRandomConstantEmail	
3 store	\$(RANDOM.String(16))@varmail.com
4 MGenerateRandomConstantPassword	
6 FStartSession	
15 # Scope	
16 ## Account - Register account via header link - Enter profile data ...	
17 MGlobalClickRegisterAccount	
21 MAccountPersonalDataEnterProfile	
22 EnterCustomerProfileData	
23 waitForElementPresent	id=dwfrm_profile_customer_firstname
24 type	id=dwfrm_profile_customer_firstname
25 type	id=dwfrm_profile_customer_lastname
26 type	id=dwfrm_profile_customer_email
27 type	id=dwfrm_profile_customer_emailconfirm
28 type	id=dwfrm_profile_login_password
29 type	id=dwfrm_profile_login_passwordconfirm
30 MAccountPersonalDataSubmitProfile	
33 VAccountValidatePage	
46 VAccountValidateNav	
58 VAccountValidateCustomerName	
59 waitForElementPresent	css=#primary h1
60 assertText	css=#primary h1
61 assertText	css=#header header ul.menu-utility-user li:first-of-type a
62 assertText	css=#header header ul.menu-utility-user li:last-of-type a
63 MAccountPersonalDataValidateProfile	
64 Validate profile data	
65 waitForElementPresent	id=dwfrm_profile_customer_firstname
66 assertText	id=dwfrm_profile_customer_firstname
67 assertText	id=dwfrm_profile_customer_lastname
68 assertText	id=dwfrm_profile_customer_email
69 MAccountMenuLogout	
75 MAccountLoginGoToReturningCustomer	
82 MGlobalClickLogout	
88 # Teardown - End session	
90 FEndSession	

- 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