Automated tests for Search

http://www.mediawiki.org/wiki/QA/Browser_testing/Search_features

IRC: #wikimedia-dev on freenode

Make a test from a bug

https://bugzilla.wikimedia.org/show_bug.cgi?id=24414

This bug seems to show a real problem with how Search works in different skins.

Let's make a test that defines exactly what the behavior should be, so we can define the feature, fix this bug and make sure it never comes back.

Plain English

In the Swedish Wikipedia, when I type "Å" in the search box the list of results should start with "Å" and not "A". This should happen in both Vector and Monobook skins. "ö" should do the same thing.

(Anyone could add this to the test backlog at

http://www.mediawiki.org/wiki/QA/Browser_testing/Test_backlog)

Cucumber

Feature: My Feature
  Scenario: Testing some aspect of My Feature
    Given <some initial condition>
    When <I take some action>
    Then <I should observe some result in the browser>

Given/When/Then: Happy Path

Feature: Localized Search Results

  Scenario: Search Results Match Input in Vector
    Given I am on Swedish Wikipedia
      And my skin is Vector
    When I type the character Å in the search box
    Then I should see a list of results that start with Å

Given/When/Then: Negative test

Scenario: Search Results Do Not Contain Incorrect Matches in Vector

    Given I am on Swedish Wikipedia

     And my skin is Vector

    When I type the character Å in the search box

    Then I should not see results that start with A

But wait!

Untested:

* skins other than Vector
* inputs other than "Å"

And we need to make it DRY(*), so that we can maintain this test into the future.

(*) Don't Repeat Yourself

Plain English

In the Swedish Wikipedia, when I type "Å" in the search box the list of results should start with "Å" and not "A". This should be happen in both Vector and Monobook skins. "ö" should do the same thing.

(Anyone could add this to the test backlog at

http://www.mediawiki.org/wiki/QA/Browser_testing/Test_backlog)

Fancy tables: Happy path

Feature: Localized Search Results

  Scenario Outline: Search Results Match Input in Every Skin
    Given I am on Swedish Wikipedia
      And my skin is <skin>
    When I type <search character> into search box
    Then search results should start with <correct character>

(...)

Examples to use

Examples:

skin	search character	correct character
Vector	Å	Å
Vector	A	A
Vector	ö	ö
Vector	o	o
Monobook	Å	Å
Monobook	A	A
Monobook	ö	ö
Monobook	o	o

Fancy tables: Negative test

Scenario Outline: Search Results Do Not Contain Incorrect Matches in Every Skin

  Given I am on Swedish Wikipedia

    And my skin is <skin>

  When I type <search character> into search box

  Then search results should not start with <wrong character>

Examples:

skin	search character	wrong character
Vector	Å	A
Vector	A	Å
Vector	ö	o
Vector	o	ö
Monobook	Å	A
Monobook	A	Å
Monobook	ö	o
Monobook	o	ö

Plain English

Given/When/Then

Feed the backlog!

Further information

Feed me!

http://www.mediawiki.org/wiki/Qa/test_backlog

Examples:

https://github.com/wikimedia/qa-browsertests/tree/master/features

Questions? #wikimedia-dev on freenode IRC
zeljkof chrismcmahon qgil