# Manual Testing of the News Search box in the Web page of the Seimas of the Republic of Lithuania (English version)

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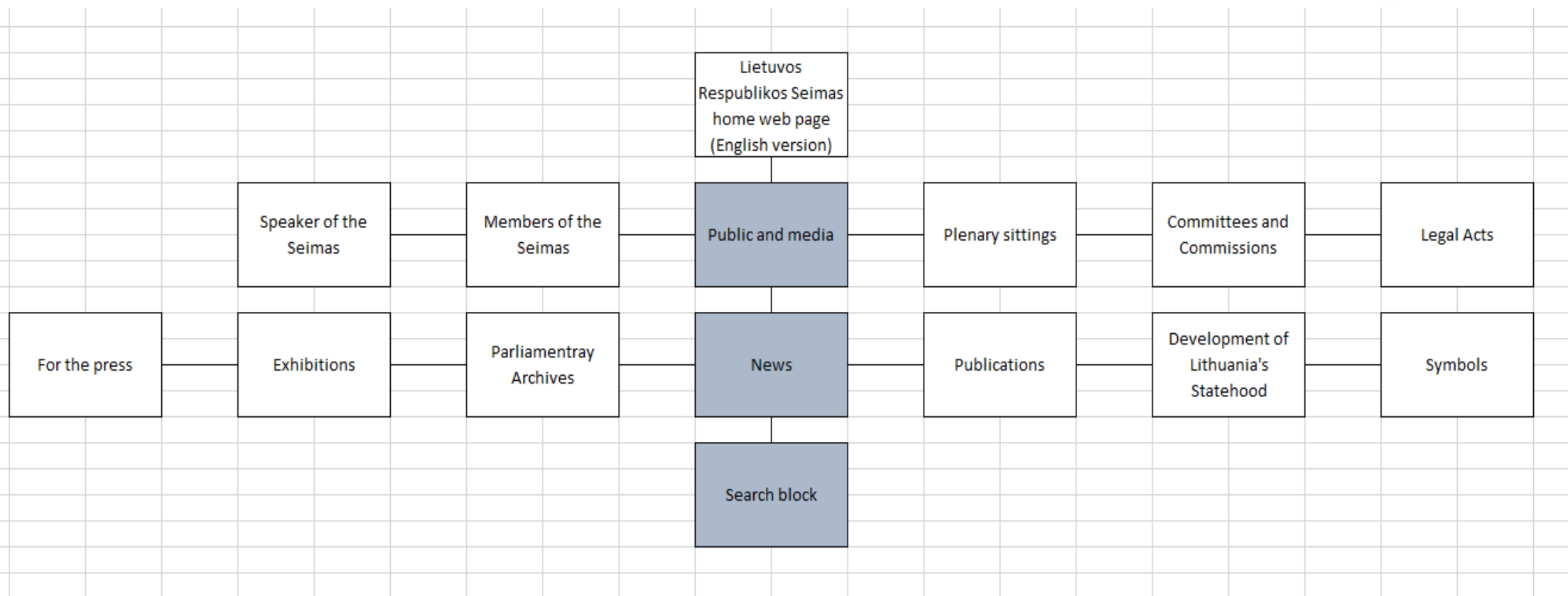Software Development Academy

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# Content

# Goal and Objective

The Project is conducted to finalize the course of manual Software Testing in Software Development Academy. To achieve this I have chosen manual testing of the News Search box in the web page of the Seimas of the Republic of Lithuania (English version).

Objectives of the project:

- clearly define the testing object

- to write test suites in logical and structural way

- to cover testing objectives with test cases

- to detect and report at least three bugs

- to submit improvements for testing object

- to use at least three different testing techniques

- to implement at least three different tools in testing process

# Testing Section

# Test Suites for Search Block design (TC 1 – TC 5)

- Search block is visible on the page, and is available without scrolling

- compatibility on mobile

- the title of the field corresponds to it's feature

- the „Search" button is visible

- available advanced „Search" fields

- available text input in the field

- size of input search field allows to enter long texts

## Test Suites for Search Block functionality (TC 6 – TC 11)

- available calendar for date entering

- the „Search" button is functioning

- available block of previously entered search queries

- provided results match search by date

- provided results match search by name

## Test Suites for Search Results design (TC 12)

- results are clearly visible

- results have a block structure and contains title and date

- results are sorted by the date

# Test Cases. Bug Reports.

- Appendix 1

# Improvements

- Search box should be placed on the main web page to be more visible and reachable.

- Search box should have available text input with extension to Advanced search features. In this case Search box would act as a main searching tool, and Advanced Search as optional.

- Advanced Search box should contain Advanced Search title to reflect it's function.

- Search results should contain the quantity of search results found. It helps the user to have a general understanding about the quantity of results.

- Search results should be able to be filtered by date. Especially when the date filter is implemented.

- Corresponding messages should be displayed when there are no search results to inform the user about results.

- Search Suggestions should appear by entering the beginning of the word (autocomplete). It helps to find the required information faster.

- Search results should appear without pressing Enter. It reduces the number of klicks and makes process faster.

- Additional Search results might be provided relevant to the keyword inside the article. It would expand the list of results.

- An X and magnifying glass icon might be added to the Search box to make it easier for user to choose the right function.

# Test Design Techniques

- Blackbox testing

- UI testing

- Performance testing

- Functional testing

- Testing responsive web design

# Reflection

- For to accomplish the objectives of the Final project I have decided to choose single object. It helped me to concentrate myself on fulfillment of all parts of testing cycle, taking focus more on quality than quantity.

- The most challenging part, but the most useful one was to create logical and structural list of Test suites and it succeeded not without the help of browsing. After that creating test cases and capturing bugs seemed to be easier.

- The most attractive part was making the list of Improvements, maybe because the testing object has a lot of things to improve on.

- What I felt could be more implemented, but was not, because of lack of time and possibilities, is the variety of tools. Nevertheless, I have used supporting tools as Snipping tool for capturing screenshots and Screencastify for screen video recorder. Also developer tool in a web browser for monitoring the mobile device compatability. What I would like to be used is test case management tool, bug reporting tool, test automation tool etc.