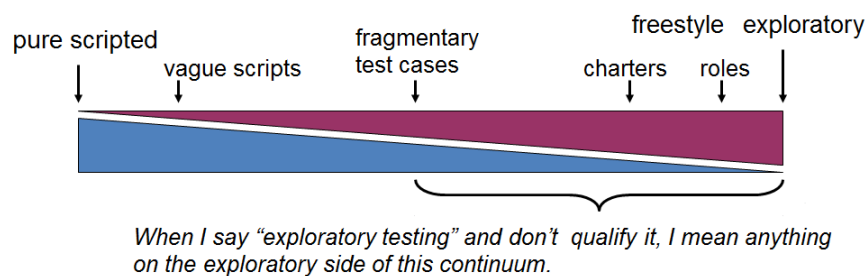


Lab4: “Exploratory testing with charters”

Purpose

The purpose of this lab is to introduce the student to exploratory testing as an approach and how it differs from scripted test cases (both manual and automated). The amount of unique and varied testing that can be done with exploratory testing is vastly different than that of scripted testing. Charters will be introduced as well to show how exploratory testing can go from freestyle exploratory to charters.

The Scripted/Exploratory Testing Continuum



Task description

In this lab the front-end GUI will be tested using an exploratory testing approach and charters.

The front-end can be found in the virtual environment under: <http://127.0.0.1:6399/>

During the test sessions take session notes and afterwards clean them up and transform any suitable findings into proper bug reports using the template below.

Charters

- Foreign characters as input

Purpose: To explore software’s ability to store and display non-standard ascii characters.

Duration: 15-30min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

- Edit existing customers

Purpose: When a customer's circumstances changes, can the product support those scenarios. Identify bugs, limitations and potential improvements.

Duration: 15-30min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

- Explore database

Purpose: Explore the database to find potential problems, limitations, and security concerns.

Duration: 15-30min

References: Database design can be found at: <https://bit.ly/2JKwe2p>

- Create new product and equipment for customer

Purpose: Investigate the process of creating new products and attaching equipment to the customer. Identify bugs and potential improvements to the process.

Duration: 30-45min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

- Many customers in the database

Purpose: How does the system react to having multiple customers in the database from the stand-point of performance, stability and usability.

Duration: 15-30min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

- Explore equipment and customers

Purpose: Investigate the process of attaching equipment to the customer. Identify bugs and potential improvements to the process.

Duration: 15-30min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

- Explore creating new customer

Purpose: Investigate creating a new customer in the system, detecting missing features or potential improvements.

Duration: 15-30min

References: REST API documentation can be found in VM on the Desktop or (/home/pft/Desktop/rest_api_documentation.pdf)

Bug report template

Defect title:

Description:

Steps-to-reproduce:

Expected behaviour:

Software version under test:

Pre-conditions:

Attachments:

Bug report - Example

Defect title: Software crashes when importing documents and corrupts existing user data	Clear title
Description: In the latest release the import functionality crashes when choosing and importing documents. In some cases the application also corrupts the users already existing data. This can be very bad for our end-users since they risk losing their existing work and also the import functionality does not behave as intended.	Description
Steps-to-reproduce: 1: Start application 2: Choose "File" -> "Import" 3: Navigate to existing word document 4: Press import button	Steps-to-reproduce
Expected behavior: Application should not crash when importing existing documents and should not corrupt the existing user data. If a problem occurs then the software should catch this and present the user with a dialog-box informing the user that an error occurred.	Expected behaviour
SW Under Test: Beta w.12 build# 12568	SW# under test
Pre-conditions: Tested with Windows 7 (32-bit).	Pre-conditions
	Attach log-files
	Record video sequences
	Is it serious
	Who can it affect and how
	Never exaggerate