



Exercise 1 –Testing/Managing Fuzzy Requirements!

In this exercise you will get only a few requirements and some information on the specific software you are testing.

Goal with exercise:

Understand the importance of detail in the requirements also makes quality in the outcome

Understand that there is more than one test case that can be written for one requirement.

Task for you to fulfill:

You are to

- 1) Review the requirements and expand them, so it will be easier to test the final software. Also, you want to improve on the software – so make sure you are complementing the requirement. (The result should be the new complete requirements).
- 2) Expand a simple test table by adding not allowed input (could also mean that “nothing” happens).
- 3) Create test cases that you can present for your cross-functional agile team. You want the test cases both to be able to handle code, but more important – to cover the area and the user scenarios

Context:

You were absent when these requirements were created. You are familiar with how to select a TV program in a menu.

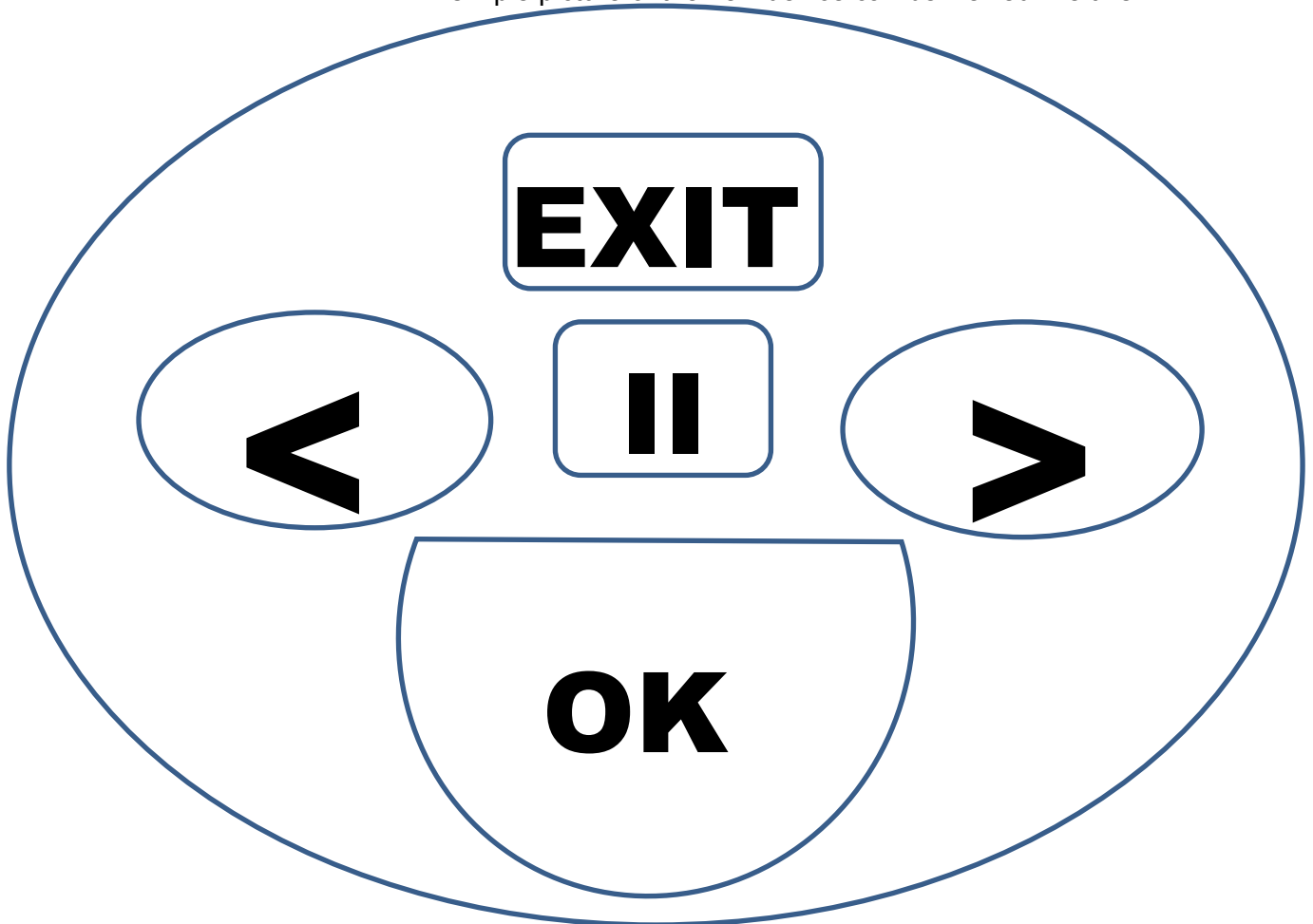
Scenario:

Your team is developing the new embedded software for the new DVD blue-ray TV- player from *Togethersang*. In your simulated interface you in this version only have the buttons: OK, Pause and Exit, and arrows to navigate.

- OK means that you start or resume a TV program in the folder that you selected.
- Pause means that the TV program you watch is paused.
- Exit means that you quit watching a specific TV program.
- In addition you can navigate in the menu available with a select button (OK) and Arrows: < and > denoting back and forth (but also up and down in a list).



A simple picture of the new device can be viewed like this:



The initial state of the program is a screen that has a MENU

- There are two levels of Menu's
- The first menu "Start" - e.g. and icon for each available provider, e.g. netfliz, Hobo, and YourTelly. If you have payed, the access should work (but that is the different for each provider of television and film).
- If you choose a sub-Menu it displays folders, (e.g. all programs of "Big Bang Theory" is located in one folder).
- In Togethersang, you can also download and save (record) your own programs (from television, the net or your own media, e.g. old videotapes, CD's etc). To make your own "play-list". This is your target test.



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Your test simulation has already downloaded 10 TV programs and films in one folder that is presented as a list:

- Teletubbies - season2 episode 1 (12 minutes)
- Men Behaving Badly - season 3 episode 2 (28 minutes)
- Tampopo - film (1 hour 54 minutes)
- Forrest Gump – film (x)
- Lord of the Rings II –film (x)
- Star Trek Series 3, episode 4
- No title (15 min)
- Wermlandsnytt – Rally 3 minuter
- Men Behaving Badly – season 3 episode 3 (8 seconds)
- Big Bang Theory – 1, 1 (32 min)

Requirement 1: “It should be possible to start, pause and stop and switch and resume between any programs.”

Requirement 2: “If the internet connection is cut during a program it should be possible to resume the program when the connection is back”.

Requirement 3: “The quality of the TV Program must be managed so it can be watched, especially if there is a slow internet connection doing the download”.

Only pass and fail grade – but quality matters in the “final” score!

Good luck!

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