## **Discussion SE Exercise 6**

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## Ex 2.1.b: Black Box Testing

#	Input	Expected Output	Actual Output	Result
1	SimpleAgent	SimpleAgent	SimpleAgen	Failure
2	IFI/RERG/SimpleAgent	SimpleAgent	SimpleAgen	Failure
3	IFI/RERG/	RERG	RERG	Success
4	(Empty String)	(Empty String)	(Exception)	Failure
5	/////	(Empty String)	(Empty String)	Success

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5

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It is impossible to achieve 100% branch coverage with a single test case: the IF-branch cannot be evaluated to true and false within a single execution!

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With two test cases:

#	Input	Expected Output	Actual Output	Result	
1	/A/A	А	А	Success	
2	A/	А	А	Success	
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## University of Zurich Ex. 2.2.a: GQM Examples Easy and rapid registration for students Factors: Clarity of the user interface Does the user know which task he is currently performing? Intuitivity of the user interface Is the UI designed in a way that the users feel comfortable? Simplicity of registration process How many steps are required for the registration? • Response time of the server • Has the system acceptable response time? Number of problems How many students required an intervention from the secretary? 12/20/2008 9

Measures (type of scale):

Ex. 2.2.b: GQM

Examples

- Does the user know which task he is currently performing?
  - Support provided by the system (nominal: yes/no)
- Is the UI designed in a way that the users feel comfortable?
  - Users satisfaction (ordinal: --, -, ~, +, ++)
- How many steps are required for the registration?
  - Number of steps for a normal registration (absolute)
- Response time of the server
  - Latency (ratio scale)
- How many students required an intervention from the secretary?
  - Number of problematic registration (absolute)

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