

Software Systems Verification and Validation

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"Tell me and I forget, teach me and I may remember, involve me and I learn."

(Benjamin Franklin)

Session Based Test Management [SBTM]

- A method [SBTM] for measuring and managing exploratory testing.
- <http://www.satisfice.com/sbtm/>
- <http://www.satisfice.com/articles/sbtm.pdf>
- An approach to testing with:
 - No test cases
 - No expected results
 - No pass/fails metrics
- Testing on a project is divided up into focused “sessions” of exploratory testing.
- A test session
 - A dedicated and uninterrupted period of exploratory testing.
 - Focused on a set objectives defined in a “charter”
 - Generates notes and lightweight reporting on the testing carried out.
 - The testing task is expected to change and evolve.
- **Exploratory testing**
 - **Is not random**
 - **Is creative and requires intelligent thoughts.**

Session Based Test Management [SBTM]

- **Planning**
 - Charter: a single sentence that sets the scope of the testing
 - What you will test
 - How you plan to test it
 - The information you hope to provide.
 - That scope should be achieved in 90 minutes.
 - Charter are basis of estimation and coverage.
- **Testing**
 - A dedicated and uninterrupted period of testing (no meetings, no email)
 - Use testing experience or instinct; use your domain knowledge
 - Test scenarios could be ok, but not pre-scripted steps
 - Use the software, observe it and be alert of new questions or test ideas
 - Encourage thinking beyond specific features or tasks in isolation.
 - Fully imagine and describe users of the software
- **Note taking/ Reporting**
 - Not just pass/fail count: What you did. Why you did it. What you saw. What questions and ideas you had. Any frustrations/blocks.

Session Based Test Management [SBTM]

- Jonathan Bach – course on Session Bases Test Management
- Example:
 - Applied: Sanity and Survey Testing Focus Writer.
 - Software: Focus Writer.
- Computed metrics

Test
 Bug
 Setup
 OffCharter
 Note
 Question
 NextTime
 Data

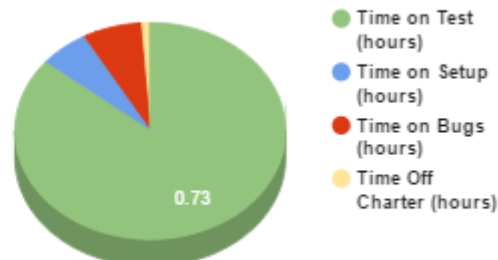
Session end.Duration		52	▼
Number of bugs		4	▼
Time on Test (mins)		44	▼
Time on Setup (mins)		3	▼
Time on Bugs (mins)		3	
Time Off Charter (mins)		1	
Number of questions		5	
Number of ideas for next time		2	
Session Tester	alexandra.casapu@altom.ro		
Session Charter	Perform Sanity Testing and Survey Testing for FocusWriter		
Planned session time (mins)		60	
Environment Info	Windows, Product Version: FocusWriter 1.6.2, Mac OSX version 1.6.2, on MacOSX Sierra		
Area	Menus		
Current Active Tag	Test		
Time remaining (mins):		9	
Session start	SESSION ENDED		

Session Based Test Management [SBTM]

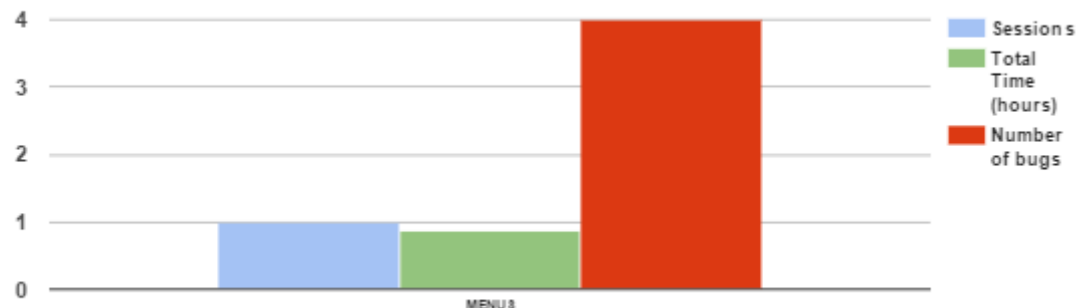
- Jonathan Bach – course on Session Based Test Management [RapidSoftwareTestingCourse_Altom]
- Example:
 - Applied: Sanity and Survey Testing Focus Writer.
 - Software: Focus Writer.

Overall Summary	
Total Sessions	1
Total Time (hours)	0.87
Total Bugs	4
Time on Test (hours)	0.73
Time on Setup (hours)	0.05
Time on Bugs (hours)	0.06
Time Off Charter (hours)	0.01
Total Questions	5
Total Next Time Ideas	2

Test/Bugs/Setup/OffCharter

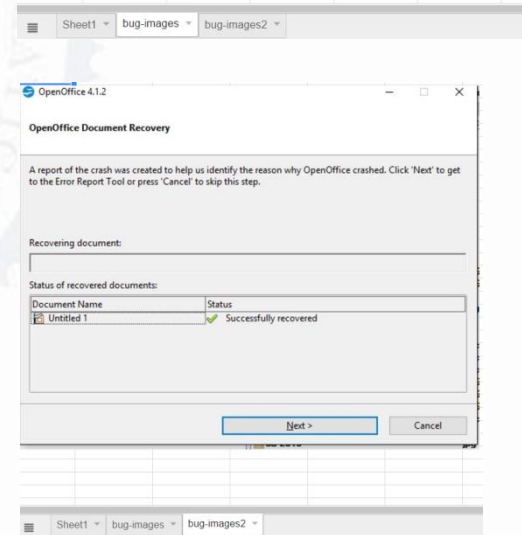
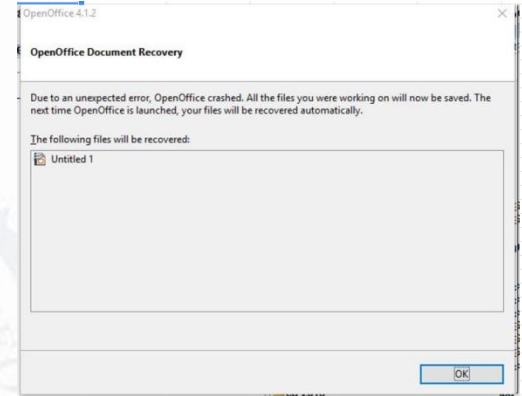


Testing Summary by Area



Session Based Test Management [SBTM]

- Tabara de testare 2016
- Example:
 - Software: OpenOfficeImpress.
- **Computed metrics**

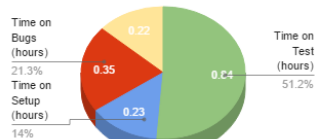
[illegible]

Session Based Test Management [SBTM]

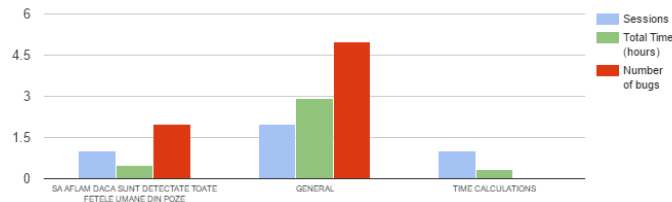
- Use SBTM for an open source application
 - **Suggestion:** Use SBTM for your Bachelor Thesis.
- SBTM template available here:
 - <https://altom.com/version-2-1-of-the-sbtm-session-template-was-released/>
 - **Use your gmail account.**
- Instructions how to use the template
 - <https://altom.com/sbtm-with-itester-and-google-drive/>

Exploratory Testing Summary Report

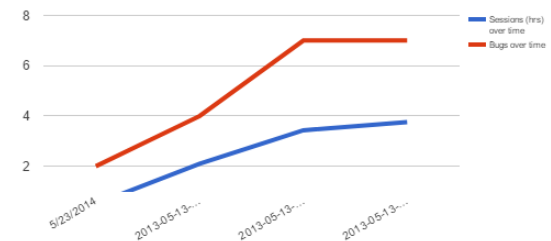
Test/Bugs/Setup/OffCharter



Testing Summary by Area



Sessions and Bugs Over Time



Session Based Test Management [SBTM]

- **Demo: Session Testing**
- **Mission: Ready For Rent?**
 - 5 min. - about
 - **25 min. activity**
 - **10 min. results + voting**
 - 10 min. - questionnaire
 - 10 min. debriefing
- **Debriefing: PROOF**
 - **Past + Results + Outlook + Obstacles + Feeling**



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- **Bonus points = votes**
 - I: 50 XP
 - II: 25 XP
 - III:15 XP

[illegible]