



Test Summary Report

US UniSeat

Riferimento	
Versione	1.0
Data	02/01/2020
Destinatario	Prof.ssa Ferrucci Filomena
Presentato da	De Caro Antonio, De Santis Marco, Spinelli Gianluca, Capozzoli Lorenzo, Rocco Simone Pasquale
Approvato da	



Revision History

Data	Versione	Cambiamenti	Autori
02/01/2020	0.1	Prima stesura documento	De Caro Antonio
15/01/2020	1.0	Aggiunta dei report	De Caro Antonio



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1.Introduzione

Il testing rileva la presenza di errori nel sistema e permette di verificare se il funzionamento rispetta i requisiti. L'obiettivo del testing è trovare bug nel sistema, testando il maggior numero di funzioni, per poi correggerli. Questo documento ha il compito di riportare gli esiti dei test effettuati seguendo il piano di testing definito nel documento di pianificazione, presente nei riferimenti (Capitolo 1.2).



1.1 Definizioni, Acronimi e Abbreviazioni

1.1.1 Definizioni

- Branch Coverage: indica i branch testati all'interno del software;
- Testing di Integrazione: fase di test del software in cui i singoli moduli software vengono combinati e testati come gruppo;

1.2 Riferimenti

Libro:

-- Object-Oriented Software Engineering (Using UML, Patterns, and Java) Third Edition

Autori:

-- Bernd Bruegge

-- Allen H. Dutoit

Documenti:

-- US_RAD_V1.5.pdf – Requirements Analysis Document

-- US_SDD_V1.2.pdf – System Design Document

-- US_TPD_V1.0.pdf – Test Plan Document

-- US_TCD_V1.1.pdf – Test Case Document

-- US_TCID_V1.0.pdf – Test Case Integration Document

-- US_ODD_V1.2.pdf – Object Design Document



2. Report Testing Black-Box

1.1 Report testing Control

TC_1 Registrazione

✓	○	↓	↑	≡	÷	↑	↓	🔍	📄	🔗	⚙️	✓ Tests passed: 13 of 13 tests – 405 ms
▼	✓	Test Results	405 ms	"C:\Program Files\Java\jdk-13.0.1\bin\j								
▼	✓	RegistrazioneServletBlackBoxTest	405 ms									
✓		TC_1_10	327 ms	WARNING: An illegal reflective access o								
✓		TC_1_20	10 ms	WARNING: Illegal reflective access by o								
✓		TC_1_30	6 ms	(java.lang.String,byte[],int,int,java								
✓		TC_1_40	8 ms	WARNING: Please consider reporting this								
✓		TC_1_50	4 ms	WARNING: Use --illegal-access=warn to e								
✓		TC_1_60	5 ms	WARNING: All illegal access operations								
✓		TC_1_70	8 ms									
✓		TC_1_90	4 ms									
✓		TC_1_100	14 ms									
✓		TC_1_110	5 ms									
✓		TC_1_120	4 ms									
✓		TC_1_130	4 ms									
✓		TC_1_140	6 ms									

TC_2 Log-In

✓	⊗	↓	⇓	≡	÷	↑	↓	🔍	↶	↷	⚙️	✓ Tests passed: 9 of 9 tests – 333 ms	
▼	✓	Test Results										333 ms	"C:\Program Files\Java\jdk-13.0.1\
▼	✓	LoginServletBlackBoxTest										333 ms	
	✓	TC_2_10										277 ms	WARNING: An illegal reflective acc
	✓	TC_2_20										5 ms	WARNING: Illegal reflective access
	✓	TC_2_30										5 ms	(java.lang.String,byte[],int,int,
	✓	TC_2_40										4 ms	WARNING: Please consider reporting
	✓	TC_2_50										4 ms	WARNING: Use --illegal-access=warn
	✓	TC_2_60										3 ms	WARNING: All illegal access operat
	✓	TC_2_70										11 ms	
	✓	TC_2_80										5 ms	
	✓	TC_2_90										19 ms	



TC_3 Prenotazione Posto

✓	○	↓ _a	↓ _f	≡	÷	↑	↓	🔍	📄	🔗	⚙️	✓ Tests passed: 5 of 5 tests – 345 ms
▼	✓	Test Results		345 ms		"C:\Program Files\Java\jdk-1						
▼	✓	PrenotaPostoServletBlackBoxTest		345 ms								
	✓	TC_3_10		270 ms		WARNING: An illegal reflecti						
	✓	TC_3_20		5 ms		WARNING: Illegal reflective						
	✓	TC_3_30		49 ms		(java.lang.String,byte[],in						
	✓	TC_3_40		9 ms		WARNING: Please consider rep						
	✓	TC_3_50		12 ms		WARNING: Use --illegal-acces						
						WARNING: All illegal access						

TC_4 Prenotazione Aula

✓	○	↓ _a	↓ _f	≡	÷	↑	↓	🔍	📄	🔗	⚙️	✓ Tests passed: 6 of 6 tests – 405 ms
▼	✓	Test Results		405 ms		"C:\Program Files\Java\jdk-13.0						
▼	✓	PrenotaAulaServletBlackBoxTest		405 ms								
	✓	TC_4_30		303 ms		WARNING: An illegal reflective a						
	✓	TC_4_40		9 ms		WARNING: Illegal reflective acce						
	✓	TC_4_50		8 ms		(java.lang.String,byte[],int,i						
	✓	TC_4_60		70 ms		WARNING: Please consider report						
	✓	TC_4_70		8 ms		WARNING: Use --illegal-access=wa						
	✓	TC_4_80		7 ms		WARNING: All illegal access ope						

TC_5 Inserimento Aula

Run: InserisciAulaServletBlackBoxTest

▶

✓

⊗

↓_a

↓_f

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⚙️

✓ Tests passed: 11 of 11 tests – 1 s 934 ms

▼

✓

Test Results

1 s 934 ms

"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" ...

▼

✓

InserisciAulaServletBlackBoxTest

1 s 934 ms

✓

TC_5_10

1 s 794 ms

✓

TC_5_20

35 ms

✓

TC_5_30

17 ms

✓

TC_5_40

7 ms

✓

TC_5_50

8 ms

✓

TC_5_60

12 ms

✓

TC_5_70

11 ms

✓

TC_5_80

9 ms

✓

TC_5_90

8 ms

✓

TC_5_100

12 ms

✓

TC_5_110

21 ms



TC_7 Elimina Prenotazione & TC_8 Disdetta Prenotazione Aula

Run: EliminaPrenotazioneServletTestBlackBox x

Tests passed: 4 of 4 tests – 1 s 477 ms

Test Results	1 s 477 ms	"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" ...
EliminaPrenotazioneServletTestBlackBox	1 s 477 ms	
TC_7_10	1 s 381 ms	
TC_7_20	48 ms	
TC_8_10	12 ms	
TC_8_20	36 ms	

Process finished with exit code 0

TC_10 Rimozione Utenti

Run: EliminaUtenteServletBlackBoxTest x

Tests passed: 2 of 2 tests – 1 s 715 ms

Test Results	1 s 715 ms	"C:\Program Files\Java\jdk-13.0.1\bin\java.exe" ...
EliminaUtenteServletBlackBoxTest	1 s 715 ms	
TC_10_10	1 s 688 ms	
TC_10_20	27 ms	

Process finished with exit code 0



3. Report Testing White-Box



Per quanto riguarda il report sul Coverage, è stato utilizzato un tool di IntelliJ che ci ha permesso di generarlo in maniera automatica.

Il documento di Report è reperibile nel repository di GitHub (https://github.com/antonio-decaro/US_UniSeat/blob/master/documentazione/testing/report).



4. Report Travis Integration Testing

Risultati del testing di integrazione utilizzando Travis CI.

 antonio-decaro / US_UniSeat  build passing

Current Branches Build History Pull Requests More options


✓ **master** fix: validate.js → #11 passed


Commit 94f7a5c [↗](#)

Compare 2bd39f2...94f7a5c [↗](#)

Branch master [↗](#)

○ MarcoD3S

 </> Java

 AMD64



5. Report Tesing di Sistema

Questi sono i risultati del Testing di Sistema utilizzando Katalon.

TC_1

Test Cases Table

No.	Name
1	TC_1.01 (13,825s)
2	TC_1.02 (10,940s)
3	TC_1.03 (10,715s)
4	TC_1.04 (10,465s)
5	TC_1.05 (10,312s)
6	TC_1.06 (10,265s)
7	TC_1.07 (10,686s)
8	TC_1.08 (10,067s)
9	TC_1.10 (11,318s)
10	TC_1.11 (13,893s)
11	TC_1.12 (13,743s)
12	TC_1.13 (11,647s)
13	TC_1.14 (10,671s)

Summary

Test Suite ID	Host name	OS	Platform
Test Suites/TC_1	spide - DESKTOP-JET42K	Windows 10 64bit	Chrome 79.0.3945.117

Execution Settings

Start	End	Elapsed	Total TC
2020-01-14 20:23:20	2020-01-14 20:29:50	2m - 26,600s	13

Results

Passed	Failed	Incomplete
13	0	0

TC_2

Test Cases Table

No.	Name
1	TC_2.1 (13,819s)
2	TC_2.2 (10,455s)
3	TC_2.3 (9,274s)
4	TC_2.4 (9,653s)
5	TC_2.5 (10,087s)
6	TC_2.6 (9,772s)
7	TC_2.7 (9,545s)
8	TC_2.8 (9,453s)
9	TC_2.9 (8,975s)

Summary

Test Suite ID	Host name	OS	Platform
Test Suites/TC_2	spide - DESKTOP-JET42K	Windows 10 64bit	Chrome 79.0.3945.117

Execution Settings

Start	End	Elapsed	Total TC
2020-01-14 21:09:04	2020-01-14 21:10:39	1m - 35,462s	9

Results

Passed	Failed	Incomplete
9	0	0

Job Progress

- Test Suites/TC_2 - Chrome - 20200114_210856 9/9
- Test Suites/TC_2 - Chrome - 20200114_210620 9/9
- Test Suites/TC_2 - Chrome - 20200114_210454 0/9

Log Viewer

```
Test Suites/TC_2 (95,462s)
hostName = spide - DESKTOP-JET42K
or - Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1
setUp (3,343s)
Test Cases/TC_2/TC_2.1 (13,819s)
***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html
Test Cases/TC_2/TC_2.1 (13,819s)
```



TC_3

Test Cases Table

No.	Name	Video
1	TC_3.1 (17.726s)	
2	TC_3.2 (9.774s)	
3	TC_3.3 (16.216s)	
4	TC_3.4 (14.854s)	
5	TC_3.5 (16.169s)	

Summary Execution Settings Execution Environment

Test Suite ID	Test Suites/TC_3
Host name	spide - DESKTOP-JET42K
Katalon version	7.2.1.1
Start	2020-01-14 22:57:20
Elapsed	1m - 16,549s
Total TC	5
Passed	5
Error	0
Failed	0
Incomplete	0

Log Viewer

Runs: 5/5 Passes: 5 Failures: 0 Errors: 0 Skips: 0

Test Suites/TC_3 (76.549s)

hostName = spide - DESKTOP-JET42K
os = Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1

Test Cases/TC_03/TC_3.1 (17.726s)

***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>

Test Cases/TC_03/TC_3.2 (9.774s)

***** Test XPath Report *****

01-14-2020 18:57:20 PH Test Suites/TC_3
Elapsed time: 1m - 16,549s

TC_4

Il suddetto Test Case non è stato testato a causa di un incompatibilità tra il tool utilizzato per il testing e un elemento presente nel form di inserimento dell'aula.



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TC_5

Katalon Studio - 7.2.1-2a7abb4c - UniSeat System Test - [Location: C:\Users\spide\OneDrive\Progetto (5)\Katalon Testing\UniSeat System Test]

File Action Edit Project Debug TestOps Window Tools Help

Tests Explorer

Test Cases Table

No.	Name
1	TC_5.02 (16,104s)
2	TC_5.03 (13,702s)
3	TC_5.04 (13,363s)
4	TC_5.05 (13,243s)
5	TC_5.07 (13,030s)
6	TC_5.08 (13,491s)
7	TC_5.10 (14,667s)
8	TC_5.11 (13,228s)

Summary | Execution Settings | Execution Environment

Test Suite ID: Test Suites/TC_5
Host name: spide - DESKTOP-IEIT42K
Katalon version: 7.2.1.1
Start: 2020-01-15 14:26:37
Elapsed: 1m - 51,326s
Total TC: 8
Passed: 8
Error: 0

OS: Windows 10 64bit
Platform: Chrome 79.0.3945.117
End: 2020-01-15 14:28:29

Main <> Script Integration Result

Problems Event Log Console Log Viewer

Runs: 8/8 Passes: 8 Failures: 0 Errors: 0 Skips: 0

Test Suite/TC_5 (111,326s)
hostName = spide - DESKTOP-IEIT42K
os = Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1
Test Cases/TC_05/TC_5.02 (16,104s)

Smart XPath Report
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>

TC_6

Katalon Studio - 7.2.1-2a7abb4c - UniSeat System Test - [Location: C:\Users\spide\OneDrive\Progetto (5)\Katalon Testing\UniSeat System Test]

File Action Edit Project Debug TestOps Window Tools Help

Tests Explorer

Test Cases Table

No.	Name
1	TC_6.1 (12,117s)
2	TC_6.2 (0,806s)
3	TC_6.3 (14,811s)

Summary | Execution Settings | Execution Environment

Test Suite ID: Test Suites/TC_6
Host name: spide - DESKTOP-IEIT42K
Katalon version: 7.2.1.1
Start: 2020-01-15 14:55:21
Elapsed: 28,086s
Total TC: 3
Passed: 3
Error: 0

OS: Windows 10 64bit
Platform: Chrome 79.0.3945.117
End: 2020-01-15 14:55:49

Main <> Script Integration Result

Problems Event Log Console Log Viewer

Runs: 3/3 Passes: 3 Failures: 0 Errors: 0 Skips: 0

Test Suite/TC_6 (28,086s)
hostName = spide - DESKTOP-IEIT42K
os = Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1
Test Cases/TC_06/TC_6.1 (12,117s)

Smart XPath Report
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>



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TC_7

Test Cases Table

No.	Name	Video
1	TC_7.1 (3,126s)	
2	TC_7.2 (11,345s)	

Summary | Execution Settings | Execution Environment

Test Suite ID Test Suites/TC_7
Host name spide - DESKTOP-JE1T4ZK
Katalon version 7.2.1.1
Start 2020-01-15 15:21:03
Elapsed 15,042s
Total TC 2
Passed 2
Error 0
Failed 0
Incomplete 0

Execution Environment
OS Windows 10 64bit
Platform Chrome 79.0.3945.117
End 2020-01-15 15:21:18

Run: 2/2 **Passes:** 2 **Failures:** 0 **Errors:** 0 **Skips:** 0

Test Suites/TC_7 (15,042s)
hostName = spide - DESKTOP-JE1T4ZK
os = Windows 10 64bit
hostAddress = 169.254.160.159
katalonVersion = 7.2.1.1
Test Cases/TC_07/TC_7.1 (3,126s)
***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>

01-15-2020 03:21:03 PM Test Suites/TC_7
Elapsed time: 15,042s

TC_8

Test Cases Table

No.	Name	Video
1	TC_8.1 (3,538s)	
2	TC_8.2 (14,897s)	

Summary | Execution Settings | Execution Environment

Test Suite ID Test Suites/TC_8
Host name spide - DESKTOP-JE1T4ZK
Katalon version 7.2.1.1
Start 2020-01-15 15:24:24
Elapsed 18,631s
Total TC 2
Passed 2
Error 0
Failed 0
Incomplete 0

Execution Environment
OS Windows 10 64bit
Platform Chrome 79.0.3945.117
End 2020-01-15 15:24:43

Run: 2/2 **Passes:** 2 **Failures:** 0 **Errors:** 0 **Skips:** 0

Test Suites/TC_8 (18,631s)
hostName = spide - DESKTOP-JE1T4ZK
os = Windows 10 64bit
hostAddress = 169.254.160.159
katalonVersion = 7.2.1.1
Test Cases/TC_08/TC_8.1 (3,538s)
***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>

01-15-2020 03:24:24 PM Test Suites/TC_8
Elapsed time: 18,631s



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TC_9

The screenshot displays the Katalon Studio interface for Test Suite TC_9. The left sidebar shows the project structure with folders for Profiles, Test Cases, Object Repository, and Test Suites. The main window is divided into several sections:

- Test Cases Table:** A table listing test cases with columns for No., Name, and Video. Two test cases are listed: TC_9.1 (10.545s) and TC_9.2 (9.428s).
- Summary:** A section providing an overview of the test suite execution, including the Test Suite ID, Host name, Katalon version, Start time, Elapsed time, Total TC, and Pass/Fail/Incomplete counts.
- Execution Settings:** A section detailing the execution environment, including the OS (Windows 10 64bit), Platform (Chrome 79.0.3945.117), and End time.
- Log Viewer:** A section showing the execution log, including the Run time, Passes, Failures, Errors, and Skips. The log also includes the test suite ID, host name, OS, Katalon version, and a link to the Smart XPath Report.

TC_10

The screenshot displays the Katalon Studio interface for Test Suite TC_10. The left sidebar shows the project structure with folders for Profiles, Test Cases, Object Repository, and Test Suites. The main window is divided into several sections:

- Test Cases Table:** A table listing test cases with columns for No., Name, and Video. Two test cases are listed: TC_10.1 (8.511s) and TC_10.2 (13.130s).
- Summary:** A section providing an overview of the test suite execution, including the Test Suite ID, Host name, Katalon version, Start time, Elapsed time, Total TC, and Pass/Fail/Incomplete counts.
- Execution Settings:** A section detailing the execution environment, including the OS (Windows 10 64bit), Platform (Chrome 79.0.3945.117), and End time.
- Log Viewer:** A section showing the execution log, including the Run time, Passes, Failures, Errors, and Skips. The log also includes the test suite ID, host name, OS, Katalon version, and a link to the Smart XPath Report.



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TC_11

Test Cases Table

No.	Name	Video
1	TC_11.1 (0,568s)	
2	TC_11.2 (10,414s)	

Summary | Execution Settings | Execution Environment

Test Suite ID: Test Suites/TC_11
Host name: spide - DESKTOP-JE142K
Katalon version: 7.2.1.1
Start: 2020-01-15 15:51:01
Elapsed: 11,436s
Total TC: 2
Passed: 2
Error: 0

OS: Windows 10 64bit
Platform: Chrome 79.0.3945.117
End: 2020-01-15 15:51:12

Execution Environment:
Run: 2/2 | Passes: 2 | Failures: 0 | Errors: 0 | Skips: 0

Log Viewer:
Test Suites/TC_11 (11,436s)
hostName = spide - DESKTOP-JE142K
os = Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1
Test Cases/TC_11/TC_11.1 (0,568s)
***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>

TC_12

Test Cases Table

No.	Name	Video
1	TC_12.01 (0,390s)	
2	TC_12.02 (0,030s)	
3	TC_12.03 (0,052s)	
4	TC_12.04 (0,040s)	
5	TC_12.05 (0,029s)	
6	TC_12.06 (0,046s)	
7	TC_12.07 (0,050s)	
8	TC_12.08 (0,266s)	
9	TC_12.09 (0,114s)	
10	TC_12.10 (0,106s)	
11	TC_12.11 (0,048s)	

Summary | Execution Settings | Execution Environment

Test Suite ID: Test Suites/TC_12
Host name: spide - DESKTOP-JE142K
Katalon version: 7.2.1.1
Start: 2020-01-15 16:43:50
Elapsed: 2,371s
Total TC: 11
Passed: 11
Error: 0

OS: Windows 10 64bit
Platform: Chrome 79.0.3945.117
End: 2020-01-15 16:43:53

Execution Environment:
Run: 11/11 | Passes: 11 | Failures: 0 | Errors: 0 | Skips: 0

Log Viewer:
Test Suites/TC_12 (2,371s)
hostName = spide - DESKTOP-JE142K
os = Windows 10 64bit
hostAddress = 169.254.180.159
katalonVersion = 7.2.1.1
Test Cases/TC_12/TC_12.01 (0,390s)
***** Smart XPath Report *****
Refer to the link below to preview and approve auto healing on broken test objects.
<https://docs.katalon.com/katalon-studio/docs/auto-healing-smart-xpath.html>
