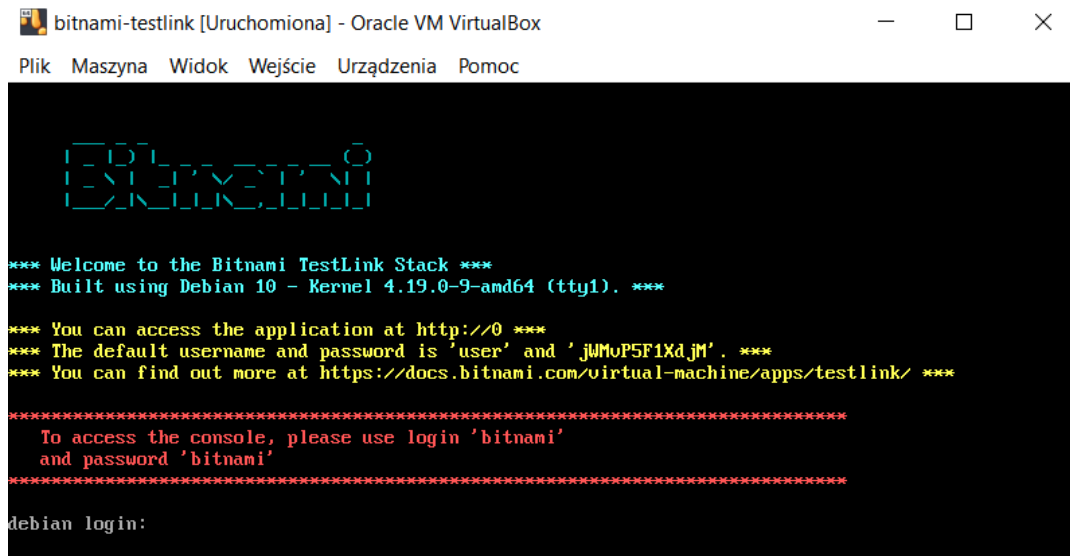


Testlink

Alicja Wróbel 238894

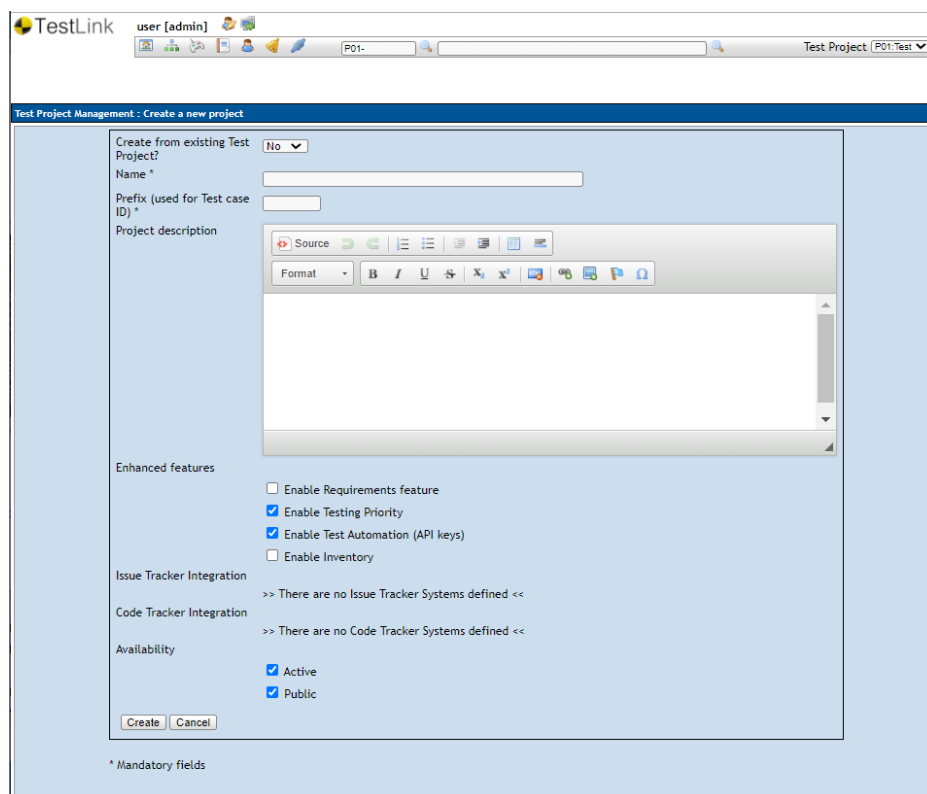
1. Środowiska

Pobrano obraz Bitnami i uruchomiono w Virtual Box.











Rysunek 1 Okno startowe Bitnami

Następnie na domyślnym systemie Windows 10 w komputerze zalogowałam się na ip wskazane na Bitnami wykorzystując dane logowania otrzymane po uruchomieniu Bitnami.



Rysunek 2 Panel tworzenia nowego projektu uruchomiony automatycznie przy pierwszym włączeniu TestLink










2. Konfiguracja testów

 Name	Description	 Prefix	 Issue Tracker	 Code Tracker	Requirement Feature	Active	Public	delete
Test Calculator	Project to test application Calculator	P01						









Showing 1 to 1 of 1 entries

Previous **1** Next

Rysunek 3 Projekt do przetestowania aplikacji

 Expand/Collapse Groups  Show all Columns  Reset to Default State  Refresh  Reset Filters								
Login	First Name	Last Name	Email	Role	Locale	Active	Expir...	
tester	John	Doe	238894@student.pwr.edu.pl	tester	en_US			
user	UserName LastName	Administrator	user@example.com	admin	en_US			

Rysunek 4 Lista użytkowników

 Name	Description	 Test Case #	 Build #	Active	Public	
Calculator Test Plan	Plan to test application Calculator	0	1			  

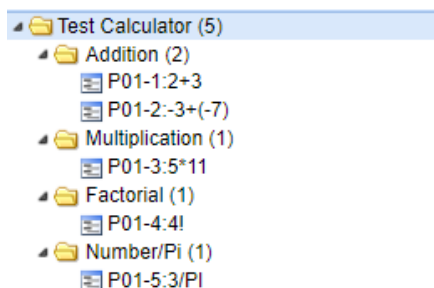
Rysunek 5 Plan testów

 Title	Description	Release date	Active	Open	delete
Build 1.0.0	Build 1.0.0 application Calculator	06/06/2020			

Rysunek 6 Build powiązany z test plan

3. Testy manualne

Do testów została wykorzystana prosta aplikacja kalkulatora calculator.py. W TestLink utworzona została specyfikacja testów oraz test case'y:



Rysunek 7 Specyfikacja testów

P01-1 : 2+3 - Version1

Created on 06/06/2020 00:48:03 by user
Last modified on 06/06/2020 01:22:01 by user

Summary

Preconditions

Run application using command: python calculator.py

#	Step actions	Expected Results	Execution	
1	Enter operator: +	Additional should be chosen	Manual	
2	Enter the first number: 2	Number should be chosen	Manual	
3	Enter the second number: 3	Application should returned "2.0 + 3 = 5.0"	Manual	

[Create step](#) [Resequenece Steps](#)

Status : Importance : Execution type : ☐ Apply To All Steps

Estimated exec. (min) : [Save](#)

Rysunek 8 Test Case 1: 2+3

P01-2 : -3+(-7) - Version1

Created on 06/06/2020 00:57:40 by user
Last modified on 06/06/2020 01:01:21 by user

Summary

Preconditions

Run application using command: python calculator.py



#	Step actions	Expected Results	Execution	
1	Enter operator: +	Additional should be chosen	Manual	
2	Enter the first number: -3	Number should be chosen	Manual	
3	Enter the second number: -7	Application should returned "-3.0 + -7 = -10.0"	Manual	

[Create step](#) [Resequenece Steps](#)

Status : Importance : Execution type : ☐ Apply To All Steps

Estimated exec. (min) : [Save](#)







Rysunek 9 Test Case 2: -3+(-7)

P01-3 : 5*11 - Version1  

Created on 06/06/2020 01:02:58 by user
Last modified on 06/06/2020 01:06:02 by user

Summary



Preconditions
Run application using command: python calculator.py

#	Step actions	Expected Results	Execution	
1	Enter operator: *	Multiplication should be chosen	Manual	 
2	Enter the first number: 5	Number should be chosen	Manual	 
3	Enter second number: 11	Application should returned "5.0 * 11 = 55.0"	Manual	 

[Create step](#) [Resequenece Steps](#)

Status : Importance : Execution type : ☐ Apply To All Steps
Estimated exec. (min) : [Save](#)





*Rysunek 10 Test Case 3: 5*11*

P01-4 : 4! - Version1  

Created on 06/06/2020 01:07:03 by user
Last modified on 06/06/2020 01:09:19 by user

Summary



Preconditions
Run application using command: python calculator.py

#	Step actions	Expected Results	Execution	
1	Enter the operator: fact	Factorial should be chosen	Manual	 
2	Enter the number: 4	Application should returned "4.0's factorial is 24"	Manual	 

[Create step](#) [Resequenece Steps](#)

Status : Importance : Execution type : ☐ Apply To All Steps
Estimated exec. (min) : [Save](#)





Rysunek 11 Test Case 4: 4!

P01-5 : 3/PI - Version1  

Created on 06/06/2020 01:12:06 by user
Last modified on 06/06/2020 01:14:05 by user

Summary

Preconditions
Run application using command: python calculator.py

#	Step actions	Expected Results	Execution	
1	Enter operator: pi/	Number division pi should be chosen	Manual	 
2	Enter the number: 3	Application should returned "3.0 / pi = 0.954929658551372"	Manual	 

[Create step](#) [Resequenece Steps](#)

Status : Importance : Execution type : ☐ Apply To All Steps
Estimated exec. (min) : [Save](#)

Rysunek 12 Test Case 5: 3/PI

Raport planów testów został zaimportowany do pliku Test Plan.xls.

Test Plan : Calculator Test Plan - Add/Remove Test Cases to/from Test Plan [X]

Assign to user on add [tester] on build [Build_1.0.0] ☐ Send mail notification to tester

Check/uncheck all Test cases for [adding] [removal] [Add / Remove selected] [Save order]

Test cases with Latest Version with status with one of these values (Obsolete,Future) will not be displayed in this screen

Addition

<input checked="" type="checkbox"/> Test Case	Version	Status	Importance	III		
<input checked="" type="checkbox"/> P01-1 : 2+3	1	Draft	Medium	10000	<input type="checkbox"/>	06/06/2020
<input checked="" type="checkbox"/> P01-2 : -3+(-7)	1	Draft	Medium	10010	<input type="checkbox"/>	06/06/2020

Rysunek 13 Przydzielenie zadań testerowi

Test Calculator / Calculator Test Plan (5)(0, 5, 0, 0)



- Addition (2)(0, 2, 0, 0)
 - P01-1:2+3
 - P01-2:-3+(-7)
- Multiplication (1)(0, 1, 0, 0)
 - P01-3:5*11
- Factorial (1)(0, 1, 0, 0)
 - P01-4:4!
- Number/Pi (1)(0, 1, 0, 0)
 - P01-5:3/PI

Rysunek 14 Pozytywne wyniki testów

Raport wyników testów został zaimportowany do pliku Result.xls.





4. Test automatyczny

Do testu automatycznego została wykorzystana metoda `addition(numer_1, numer_2)` z `calculator.py`.

P01-6 : auto addition - Version1  
Created on 06/07/2020 18:26:56 by user
Last modified on 06/07/2020 18:33:26 by user

Summary

Preconditions

#	Step actions	Expected Results	Execution	
1	Invoke addition method with arguments (3,5)	Get result of addition	Manual	 
2	Check true assert	Get true	Manual	 

Status : Importance : Execution type : ☐ Apply To All Steps
Estimated exec. (min) :

Rysunek 15 Test Case 6: Test automatyczny



Do wykonania testu został użyty skrypt `run_test_module.py`

Last execution (any build)

Date : 06/07/2020 21:03:00 - Tested by : tester - Build : Build_1.0.0 - Status : Passed

Notes

Last execution (current build) - Build : Build_1.0.0

Date	Build	Tested by	Status	Exec (min)	Version	Run mode
06/07/2020 21:03:00	Build_1.0.0	tester	Passed		1	 

Notes

Rysunek 16 Pozytywny wynik testu

Test Case P01-6: auto addition [Version : 1]				
Author:	user - 06/07/2020 18:26:56			
#	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Invoke addition method with arguments (3,5)	Get result of addition	Invoked	Passed
2	Check true assert	Get true	Succeeded	Passed
Execution type:	Automated			
Estimated exec. duration (min):				
Importance:	Medium			
Requirements	None			
Keywords:	None			
Execution Details				
Tester	tester			
Execution Result:	Passed			
Execution Mode:	Automated			
Execution duration (min):				
Execution notes	some notes			

Rysunek 17 Pozytywny wynik testu