

Report on your experiences and provide the details produced in the task above. These details should also include an architectural description of your framework, full how-to documentation, a set of at least 5 of the eventual 25 test cases. Document progress on **wiki**.

Deliverable III

Testing Framework

Project: Martus

Team:

Hugo Felkel
Arthur Hilgendorf
Brett Perrine
Angel Rodriguez

Deliverable:

We designed a testing framework built around the [Project Specifications](#), which serves to test three different methods within the Martus Project. The folder structure itself also contains the Martus files that we are testing. Each folder within the framework contains the files pertinent to the folders name and testCasesExecutables, which contains our testing suite, made up of a driver and testing class.

Our script, runAllTests, will scan the contents of the testCases folder then run the various test on these examples based on the information provided, as well as the specified driver file at the bottom of the text file.

Experiences

The overall experience during this project has been a positive one. We have encountered communication hurdles and breakdowns, as well as misunderstanding of the overall goal, but our end result has been a positive one.

How-to

- Step one: Clone repository to a chosen directory
- Step two: Navigate to the parent directory (TestAutomation) in terminal
- Step three: Run the "bash ./scripts/runAllTests.sh" command
- Step four: Results of all tests should be displayed in the terminal
- Step five: View the table displayed in your browser

Test Cases

1

The method should return true if the input password length is greater than 15 and it must contain two or more non-alphabetical characters.

MartusUserNameAndPassword

isWeakPassword

password

true

testCase1

oracle1

2

The method should return true if the input password length is greater than 15 and it must contain two or more non-alphabetical characters.

MartusUserNameAndPassword

isWeakPassword

Testedpassword\$\$

false

testCase1

oracle1

3

The method should return true if the input password length is greater than 15 and has at least 2 non-alphabetical characters.

MartusUserNameAndPassword

isWeakPassword

TestedPassword21

true

testCase1

oracle1

4

The method should return NoError if the password is longer than 8 characters and doesn't match the username, or return the exception generated.

MartusUserNameAndPassword

validateUserNameAndPassword

TestUserName,TestPassword&&

NoError

```
testCase2
oracle2
```

5

The method should return NoError if the password is longer than 8 characters and doesn't match the username, or return the exception generated.

```
MartusUserNameAndPassword
validateUserNameAndPassword
TestUserName,TestUserName
PasswordMatchedException
testCase2
oracle2
```

6

The method should return NoError if the password is longer than 8 characters and doesn't match the username, or return the exception generated.

```
MartusUserNameAndPassword
validateUserNameAndPassword
TestUserName_1,TestUserName_1
PasswordMatchedException
testCase2
oracle2
```

7

The method should return NoError if the password is longer than 8 characters and doesn't match the username, or return the exception generated.

```
MartusUserNameAndPassword
validateUserNameAndPassword
"",passwordTest_01
NoError
testCase2
oracle2
```

8

The method should return NoError if the password is longer than 8 characters and doesn't match the username, or return the exception generated.

MartusUserNameAndPassword

validateUsernameAndPassword

testUser,test021

PasswordTooShortException

testCase2

oracle2

Results:

TestCase Number	Method	Input	Expected Output	Actual Output	Oracle Pass/Fail
1	isWeakPassword	password	true	true	Passed
2	isWeakPassword	Testedpassword\$\$	false	false	Passed
3	isWeakPassword	TestedPassword21	true	true	Passed
4	validateUserNameAndPassword	TestUserName,TestPassword&&	NoError	NoError	Passed
5	validateUserNameAndPassword	TestUserName,TestUserName	PasswordMatchedException	PasswordMatchedException	Passed
6	validateUserNameAndPassword	TestUserName_1,TestUserName_1	PasswordMatchedException	PasswordMatchedException	Passed
7	validateUserNameAndPassword	","passwordTest_01	NoError	NoError	Passed
8	validateUsernameAndPassword	testUser,test021	PasswordTooShortException	PasswordTooShortException	Passed