

13 December 2007

International Domain
Name Top Level
Domain Evaluations
and Testing Report

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1. Introduction

The objective of this report is to evaluate and test the “.test IDN TLD” that was recently introduced by ICANN. It focuses only in the Arabic language IDN TLD, i.e., مثال.إختبار. It starts with an explanation of how the evaluation process conducted with different test cases. Also, it lists which applications and operating system tested. Then it concludes with the findings.

The attention of the report is to share with the internet community in general and domain name industry in particular our findings. So that internet application and standards will take these in considerations.

This report is organized as follows:

- ❖ Operating systems: lists all operating systems that are covered by this evaluation.
- ❖ Applications: lists all internet application covered by this evaluation.
- ❖ Test Cases: lists all test cases done during the evaluation.
- ❖ Results: reports the findings.
- ❖ Statistics: shows some statistics related to the evaluation process.
- ❖ References: lists some references.

2. Operating Systems

Here are the list of operating systems that were part of the evaluation:

- ❖ Windows XP
- ❖ Windows Vista
- ❖ Mac OS X
- ❖ Linux(ubuntu)

Each of these OSs has been evaluated and tested using all the test cases. They have been chosen because they represent the most popular OSs used on client or user side.

3. Applications

Thirteen applications have been evaluated against the .test IDN TLD. These applications can be categorized in to two groups: desktop applications, and web-based applications.

3.1. Desktop Applications

A desktop application is any application that works on a user PC and utilizes the PC's operating system. The following is a list of all the desktop applications that have been tested:

- ❖ Internet Explorer, version 6.0
- ❖ Internet Explorer, version 7.0
- ❖ FireFox, version 2.0
- ❖ FireFox, version 3.0b
- ❖ Opera, version 9.24

- ❖ Safari, version 3.0
- ❖ Office Outlook 2003
- ❖ Outlook Express version 6.0
- ❖ Thunderbird 2.0
- ❖ Apple Mail version 2.1

They have been picked based on the operating system and on the statistics of the most popular applications [1]. Also, the applications that have strong relation with domains.

3.2. Web-based Applications

It is meant by a web-based application any application that works on the web and the user accesses it through his/her web browser. The following is a list of the web applications that have been tested:

- ❖ Yahoo Mail
- ❖ Google Mail (Gmail)
- ❖ Microsoft Mail (Hotmail)

In general, those applications represent some of the most applications used by Arab users.

4. Test Cases

Thirteen test cases have been conducted to evaluate “.test IDN TLD”. The main criteria when they were designed: the ability of the new IDN TLD to work on the current applications, and the appearance of the whole URL (domain name + protocol + target path) or e-mail.

There are two types of test cases:

1. Test cases using Native language (Arabic):

Here all the test cases involve of using the Arabic Language in the domain name (U-Label). They test and evaluate the usage of (مثال. إختبار) IDN TLD and how the applications handle these Arabic domains in their native representations. During the evaluation and testing, some of application didn't know the IDN TLD at all, and some others understand the IDN TLD then converted it to puny-code.

2. Test cases using Puny-code: Here all the test cases uses only puny-code (A-Label) that represent the Arabic domain name.

The following table lists all the test cases:

TC#	Test Case	Example
Test cases in Arabic Script (U-Label)		
01	Write the domain name directly in the address bar of the browser without protocol (e.g., http) and sub folder.	(مثال.إختبار)
02	Write the domain name directly in the address bar of the browser with a protocol and without sub folder.	(http://)+(مثال.إختبار)
03	Write the domain name directly in the address bar of the browser with protocol and sub folder.	(http://)+(مثال.إختبار)/(test)
04	Write the domain name directly in the address bar of the browser with protocol and Arabic sub folder.	(http://)+(مثال.إختبار)/(تجربة)
05	Send e-mail from your mail client to IDN TLD email.	(mailto:مثال.إختبار@)
06	Send e-mail from the web site of popular mail providers (Hotmail, Yahoo, Gmail) to IDN TLD email.	(mailto:مثال.إختبار@)
07	Try to click a link inside an email from your mail client.	http://مثال.إختبار
Test cases in Latina Script (A-Label)		
08	Write the domain name directly in the address bar of the browser without protocol and sub folder.	(xn--mgbh0fb.xn--kgbechtv)
09	Write the domain name directly in the address bar of the browser with protocol and without sub folder.	(http://)+(xn--mgbh0fb.xn--kgbechtv)
10	Write the domain name directly in the address bar of the browser with protocol and sub folder like:	(http://)+(xn--mgbh0fb.xn--kgbechtv)/(test)
11	Write the domain name directly in the address bar of the browser with protocol and Arabic sub folder.	(http://)+(xn--mgbh0fb.xn--kgbechtv)/(تجربة)
12	Send e-mail from your mail client to IDN TLD email.	(mailto:مثال.إختبار@xn--mgbh0fb.xn--kgbechtv)
13	Send e-mail from the web site of popular mail providers (Hotmail, Yahoo, Gmail) to IDN TLD email.	(mailto:مثال.إختبار@xn--mgbh0fb.xn--kgbechtv)

5. Results

During the execution of the test cases, the focuses were on the following questions:

1. Was the request arrived?
2. Was the domain name displayed as it is (U-Label)? Or it was altered to its puny-code (A-Label)?
3. Is the domain name readable with the other URL components: protocol and sub folders?

The first question addresses whether a request of an email or a web site arrives to its target or not. The second question differentiates between the main 3 application behaviors when an IDN domain name was used: (1) Does the application understand the IDN TLD in Arabic script or not (U-Label)?; (2) Does the application convert the IDN TLD to puny-code or not (A-Label)?; (3) Does the application display the Arabic string (U-Label) and hide the puny-code(A-Label)?. The third question addresses the Right to Left problem which is a special case for the Arabic language. By the way, not all those questions are applicable to all test cases.

Next subsections will list the findings [2]. In the following tables the “TC#n” refers to the test case “n” listed in the previous Table that was depicted in Section 4

5.1. Windows XP

In windows XP Operating system there are eight applications that were tested. The following tables show the test results.

Internet Explorer 6.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1:Failed TC#2:Failed TC#3:Failed TC#4:Failed TC#8:Success TC#9:Success TC#10:Success TC#11:Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1:Failed TC#2:Failed TC#3:Failed TC#4:Failed TC#8:Success TC#9:Success TC#10:Success TC#11: Failed
Internet Explorer 7.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success, Convert the puny-code to Arabic TC#9: Success, Convert the puny-code to Arabic TC#10:Success, Convert the puny-code to Arabic TC#11:Success, Convert the puny-code to Arabic

3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
4	Other Comments...	<u>Note:</u> You need to change language setting to and add Arabic language before, if you do not change that the Arabic domain will be encoded in puny-code (xn--...). This note for the people who has English setting on their machines.
FireFox 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
4	Other Comments...	<u>Note on TC#4:</u> The link is converted to: مثال إختبار/تجربة://http <u>Note:</u> No changes have been done in firefox configuration "about:config" to support example.test domains by adding them to the trusted idns.
FireFox 3.0b		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success

		TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
4	Other Comments...	<u>Error</u> : By pressing the go button in the address bar many times you will notice changing the Arabic domain name from U-Label to A-Label and vice versa. <u>Note</u> : No changes have been done in firefox configuration "about:config" to support example.test domains by adding them to the trusted idns.
Opera 9.24		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success, Convert the puny-code to Arabic TC#9: Success, Convert the puny-code to Arabic TC#10: Success, Convert the puny-code to Arabic TC#11: Success, Convert the puny-code to Arabic
3	Is the domain name readable with the other URL components:	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//")

	protocol and sub folders?	TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
Microsoft Office Outlook		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed TC#7: Failed * TC#12: Success
2	Other Comments...	*Result:mailtest@Ù...Ø«Ø§Ù,,.Ø¥Ø®ØªØ·Ø§Ø
Microsoft Outlook Express		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed * TC#7: Success, when clicking on web or email links TC#12: Success
	Other Comments...	* See figure1.1, it is a snapshot of TC#5
Thunderbird 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed TC#7: Failed* TC#12: Success
2	Other Comments...	* See figure1.2, it is a snapshot of TC#7 TC#7: Failed result:http://www.%d9%85%d8%ab%d8%a7% d9%84.% d8%a5%d8%ae%d8%aa%d8%a8%d8%a7%d8 %b1/



Figure1.1: snapshot of TC#5

5.2. Windows Vista

In windows Vista Operating system there are five applications that were tested. The following tables show the test results.

Internet Explorer 7.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success* TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success* TC#4: Success TC#8: Success, Convert the puny-code to Arabic TC#9: Success, Convert the puny-code to Arabic TC#10: Success, Convert the puny-code to Arabic TC#11: Success, Convert the puny-code to Arabic
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") * TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
4	Other Comments...	* See figure2.1, it is a snapshot of TC#3
FireFox 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code

3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
FireFox 3.0b		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")*
4	Other Comments...	* See figure2.2, it is a snapshot of TC#11. <u>Error</u> : By pressing the go button in the address bar many times you will notice changing the Arabic domain name from U-Label to A-Label and vice versa. <u>Note</u> : No changes have been done in firefox configuration "about:config" to support example.test domains by adding them to the trusted idns.
Microsoft Windows Mail		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed * TC#7: Success, by clicking on web or email links TC#12: Success
2	Other Comments...	* See figure2.3, it is a snapshot of TC#5
Thunderbird 2.0		

#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed * TC#7: Failed TC#12: Success
2	Other Comments...	* See figure2.4, it is a snapshot of TC#5 TC#7: Failed result:http://www.%d9%85%d8%ab%d8%a7%d9%84.%d8%a5%d8%ae%d8%aa%d8%a8%d8%a7%d8%b1/

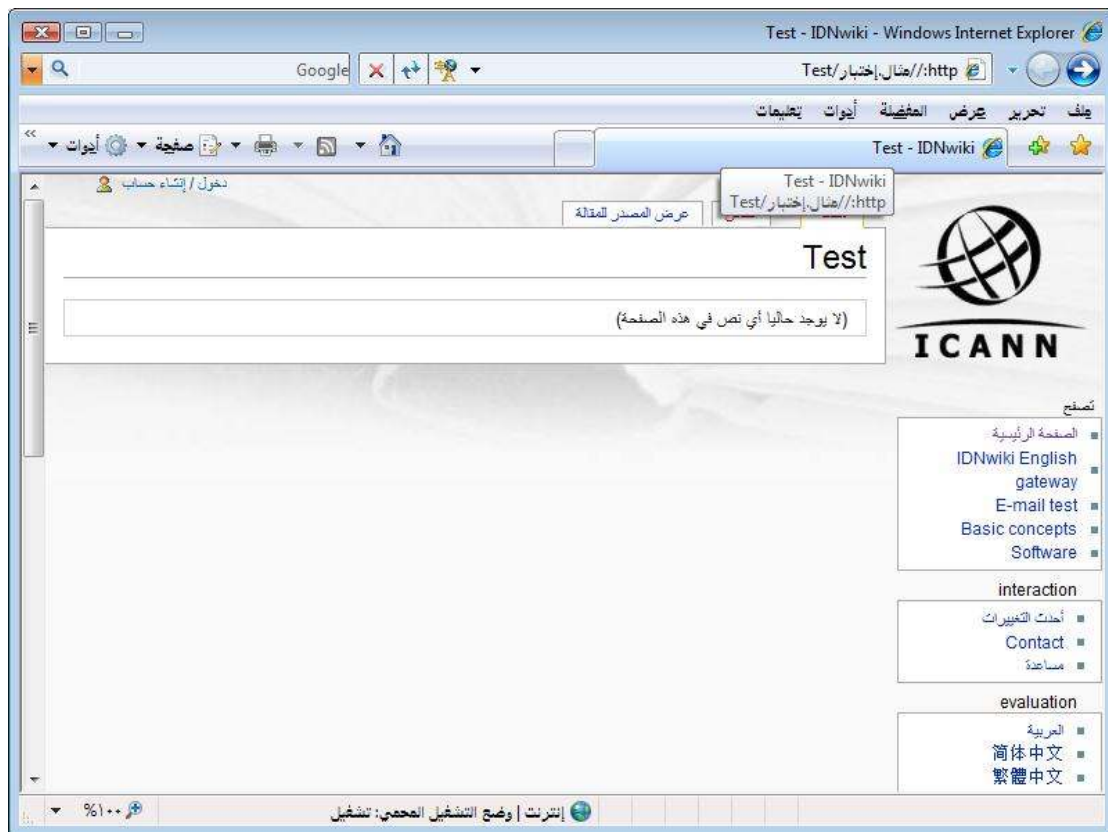


Figure2.1: snapshot of TC#3

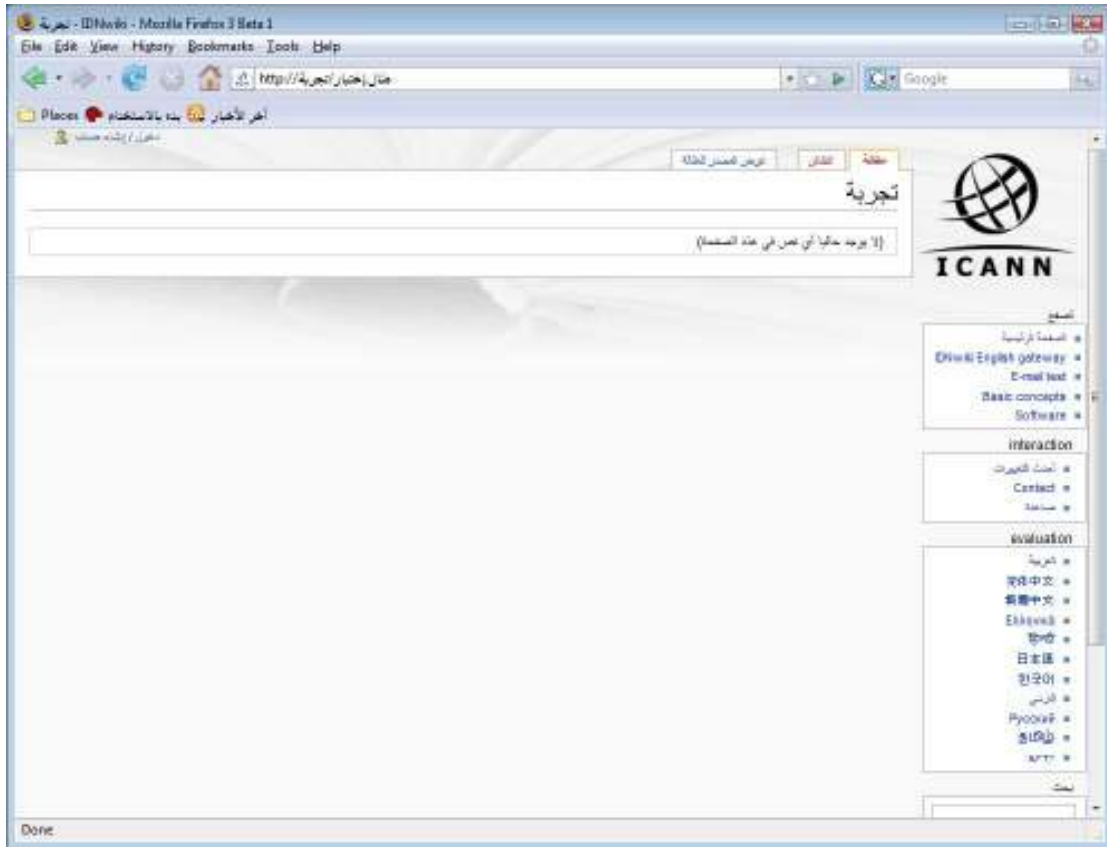


Figure2.2: snapshot of TC#11

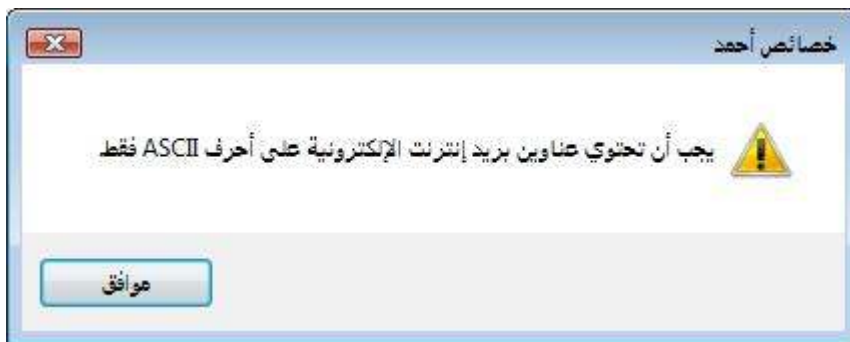


Figure2.3: snapshot of TC#5

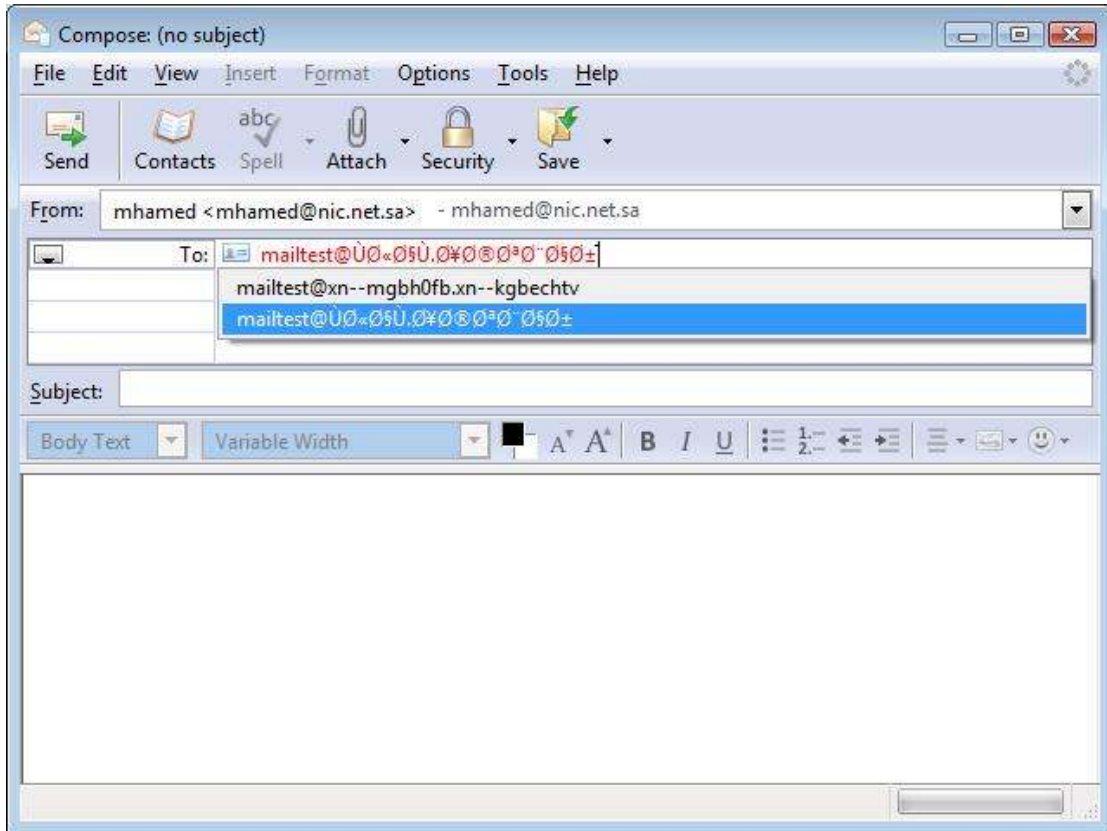


Figure 2.4: snapshot of TC#5.

5.3. Mac OS X

In Mac OS X Operating system there are six applications were tested. The following tables show the test results.

FireFox 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
FireFox 3.0b		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name	TC#1: Not readable (the problem from "http//")

	readable with the other URL components: protocol and sub folders?	TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
4	Other Comments...	<u>Error</u> : By pressing the go button in the address bar many times you will notice changing the Arabic domain name from U-Label to A-Label and vice versa. <u>Note</u> : No changes have been done in firefox configuration "about:config" to support example.test domains by adding them to the trusted idns.
Opera 9.24		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success, Convert the puny-code to Arabic TC#9: Success, Convert the puny-code to Arabic TC#10: Success, Convert the puny-code to Arabic TC#11: Success, Convert the puny-code to Arabic
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
Safari 3		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success

		TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success, Convert the puny-code to Arabic TC#9: Success, Convert the puny-code to Arabic TC#10: Success, Convert the puny-code to Arabic TC#11: Success, Convert the puny-code to Arabic
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
Thunderbird 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed TC#7: Failed * TC#12: Success
2	Other Comments...	*result:http://www.%d9%85%d8%ab%d8%a7%d9%84.%d8%a5%d8%ae%d8%aa%d8%a8%d8%a7%d8%b1/
Apple Mail 2.1		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed TC#7: Success TC#12: Success
2	Other Comments...	By clicking on linked email in the body of message it encoded it to "testmail@???.???" In a new message

5.4. Linux (Ubuntu)

In Linux (Ubuntu) Operating system there are only three applications used in this evaluation. The following tables will explain them:

FireFox 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http/") TC#2: Not readable(the problem from "http/") TC#3: Not readable(the problem from "http/") TC#4: Not readable(the problem from "http/") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http/")
4	Other Comments...	TC#4: The link is converted to: مثال. إختبار /تجربة/ http://
FireFox 3.0b		
#	Result question	Result answer
1	Was the request arrived?	TC#1: Success TC#2: Success TC#3: Success TC#4: Success TC#8: Success TC#9: Success TC#10: Success TC#11: Success
2	Was the domain name displayed as it is? Or it was altered to its puny-code?	TC#1: Failed, it showed the puny-code TC#2: Failed, it showed the puny-code TC#3: Failed, it showed the puny-code TC#4: Failed, it showed the puny-code TC#8: Failed, it showed the puny-code TC#9: Failed, it showed the puny-code

		TC#10: Failed, it showed the puny-code TC#11: Failed, it showed the puny-code
3	Is the domain name readable with the other URL components: protocol and sub folders?	TC#1: Not readable (the problem from "http//") TC#2: Not readable(the problem from "http//") TC#3: Not readable(the problem from "http//") TC#4: Not readable(the problem from "http//") TC#8: Success TC#9: Success TC#10: Success TC#11: Not readable(the problem from "http//")
Thunderbird 2.0		
#	Result question	Result answer
1	Was the request arrived?	TC#5: Failed TC#7: Failed TC#12: Success
2	Other Comments...	TC#7: Failed result:http://www.%d9%85%d8%ab%d8%a7% d9%84.%d8%a5%d8%ae%d8%aa%d8%a8%d8% a7%d8%b1/

5.5. Web-based Applications

There are three web applications that were tested. The following tables show the test results.

Google Mail (Gmail)		
#	Result question	Result answer
1	Was the request arrived?	TC#6: Failed TC#13: Success
Yahoo Mail		
#	Result question	Result answer
1	Was the request arrived?	TC#6: Success TC#13: Success
Microsoft Mail (Hotmail)		
#	Result question	Result answer
1	Was the request arrived?	TC#6: Failed TC#13: Success

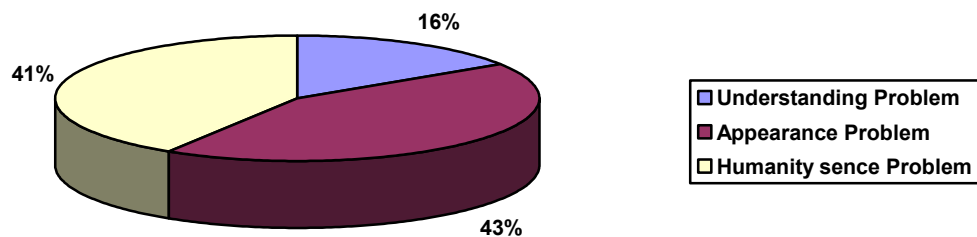
6. Statistics

This Section presents some statistics about the evaluation and testing processes.

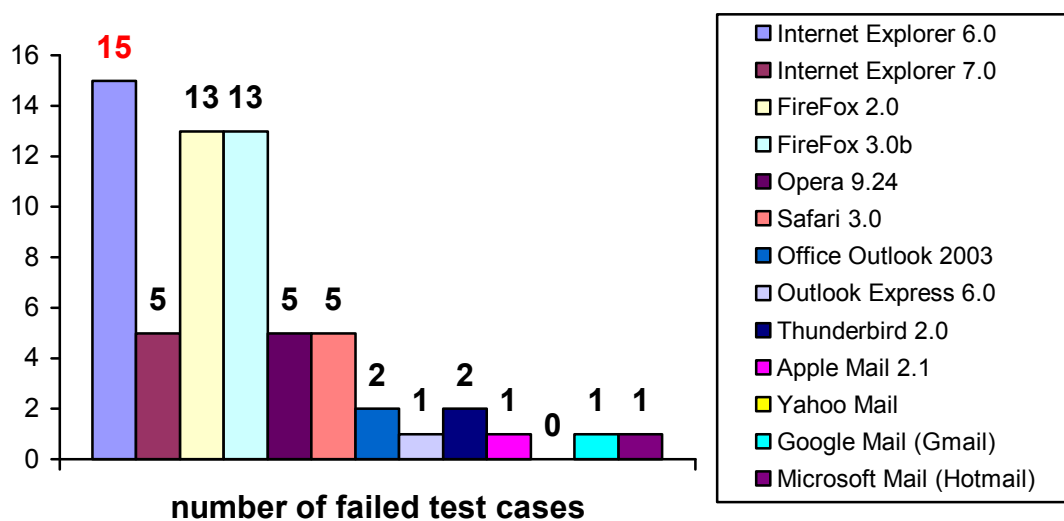
The following chart summarizes in percentage the size of the problems using the categorization based on the three questions presented at the beginning of Section 5.

These problems can be summarized as follows:

1. The problem of understand the new IDN TLD and the conversion from the native language i.e. Arabic to the puny-code. This problem represented by the first question which is: Was the request arrived?
2. The problem of URL appearance. And this problem represented by the second question which is: Was the domain name displayed as it is? Or it was altered to its puny-code?
3. The problem of humanity scene. When mixing Latin language with Arabic language it will be unreadable, since the Arabic language is Right-to-Left, while the Latin language is Left-to-Right. This is covered by the third question: Is the domain name readable with the other URL components: protocol and sub folders?



The next figure shows the most application has failed test cases combined in one report.



7. References

[1] The statistics taken from w3 school

<http://www.w3schools.com/browsers/default.asp>

[2] All the detailed results you find them in the following link

<http://spreadsheets.google.com/pub?key=poF3se0NMpsSyYpXiLLDVaw>