

THE PROBLEM

Our client wanted us to perform Compatibility Testing across multiple browsers such as I.E 6, 7 and 8, Google Chrome, Firefox 3.5, Apple Safari and Opera for Windows and Mac operating systems.

In order to make all browsers compatible, code was also reviewed and suggestions were made, based on the W3C (World Wide Web Consortium) standards.

The application was a web based portal containing information on news, exhibitions, celebrities, videos and images etc. The website comprise of around 50 web pages following the different page layout.

THE APPROACH

This application posed multiple challenges to the team in the form of a short time frame, Arabic language content and a range of concepts to be absorbed for performing W3C compliance testing.

Our QA team along with the client prioritized web page and forms which were critical to the site's performance. Test cases were documented, test environment was set up and a reporting structure was defined. The team was quick to analyze the application, execute testing and report back bugs to the client. Upon receiving the bug report the development team at the client's end fixed the bugs and reported back to Kualitatem.

Figure 1 shows the number of bugs encountered while testing across various browsers. The findings are a combination of generic and browser specific bugs.

The figure below illustrate that more bugs were reported in I.E 6 than any other browsers for all web pages. The total numbers of bugs for I.E 6 were 152 as compared to the lowest bugs i.e. 128 found in Safari.

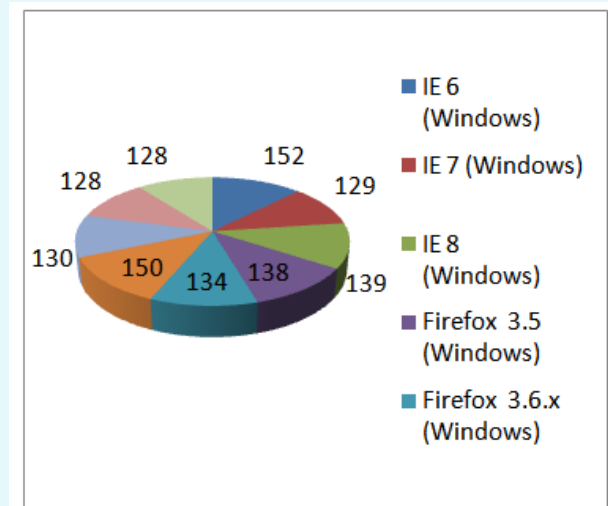
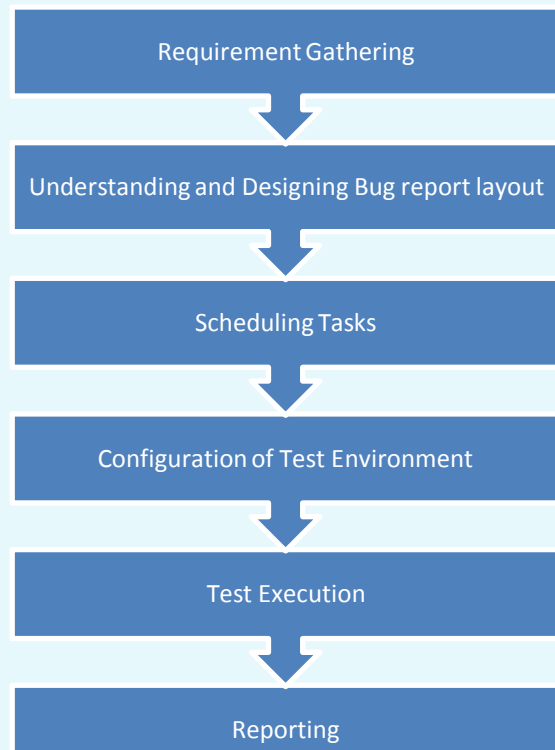


Figure 1

Following is the step by step process followed in order to accomplish the task completely and successfully.



HTML Page	IE 6 (Windows)	IE 7 (Windows)	IE 8 (Windows)	Firefox 3.5 (Windows)	Firefox 3.6.x (Windows)	Opera 10	Chrome 4.1.x (Windows)	Safari 4.0.5 (Windows)	Safari 4.0.5 (Mac)
Total Issues	152	129	139	138	134	150	130	128	128
BlogInformation_ar_ae.html	2	1	1	0	0	1	0	0	0
BlogsComment_ar_ae.html	2	3	2	2	2	3	2	2	2
BlogsDetails_ar_ae.html	2	2	3	3	2	3	3	3	3
BlogsLanding_ar_ae.html	4	3	3	7	7	5	3	3	3
RegistrationThankYou_ar_ae.html	1	0	1	1	2	2	1	1	1
SearchArticles2_ar_ae.html	4	3	3	4	4	5	3	3	3
SearchArticles_ar_ae.html	4	3	3	4	4	5	3	3	3
SearchBlogs_ar_ae.html	4	3	3	4	4	5	3	3	3
SearchPhotos_ar_ae.html	5	4	4	5	5	6	4	4	4
CelebrityForum_ar_ae.html	5	2	4	1	1	2	1	1	1
CelebrityForumNewTopic_ar_ae.html	3	2	2	4	3	3	4	3	3
CelebrityForumSubject_ar_ae.html	3	5	6	7	5	5	5	5	5
CelebrityForumThankYou_ar_ae.html	3	3	3	3	3	3	3	3	3
CelebrityForumTopic_ar_ae.html	4	2	4	1	2	1	1	1	1
Celebrity2_ar_ae.html	3	3	3	3	3	3	4	3	3
Celebrity_ar_ae.html	3	3	3	3	3	3	4	3	3
CelebrityArchive_ar_ae.html	7	5	8	7	7	7	7	7	7
CelebrityDetail2_ar_ae.html	5	5	5	4	4	4	4	4	4
CelebrityDetail3_ar_ae.html	2	3	3	3	3	3	5	4	4
SearchForums_ar_ae.html	4	3	3	4	4	5	3	3	3
ContactUs_ar_ae.html	2	2	2	2	2	2	4	3	3

Figure 2

SUMMARY

Task was completed successfully within given timeframe. The code optimization was performed purely based on W3C standards for code. The checklist was also designed based on standards for Browser Compatibility Testing to find and report the issues.

Timely reports were generated for the client which proved to be very helpful in speeding up their bug fixing process.

Suggestions were also made to the client in order to improve the website layout. Apart from the browsers based bugs some functional bugs were also brought in consideration of the client which were totally hidden.

In brief, the testing process helped the client deliver a more reliable and stable website to its end users.