

Background

Our client wanted us to perform a Compatibility testing across almost 8 browsers i.e. (I.E 6, 7 and 8, Google Chrome, Firefox 3.5 and latest, Apple Safari and Opera) for Windows and Safari for Mac OS's.

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.

Challenges

- Performing compatibility testing across all browsers for complete website within short timeframe i.e. less than a day period.
- Understanding and enhancing a layout of the platform designed by the client to report bugs.
- Learning W3C standards in depth and making suggestion about the issues in the code.
- Understanding the contents of the website written in Arabic language.
- Coordinating with client at continuous intervals of time to keep them update about the process.

Response

Our client's development team was working side by side with us (team at Kualitatem). We reported bugs and send to the client with continuous time interval. The client after receiving the parts of the Bug Report, forward it to their development team in order to fix the reported issues.



Approach

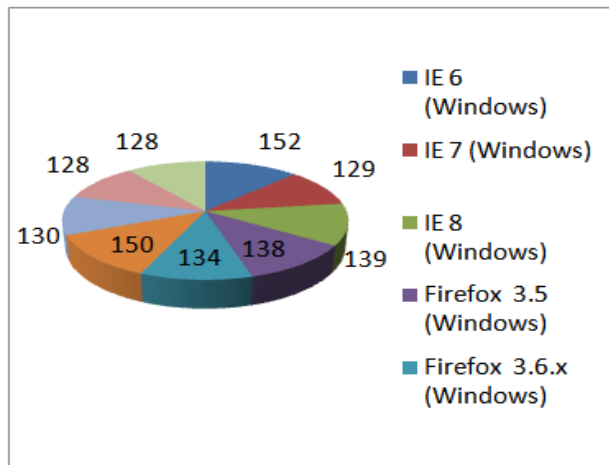
Kualitatem team along with the client's prioritized web pages, which were more important to them. To meet the deadlines and quality, our team scheduled and divided the work load in a way to make the project successful. Environment setup, defining reporting structure, platform overview, test planning, designing, execution, reporting, and documentation along with W3C standards reporting all were made possible in a short time period.

Analysis

Below findings were reported in the project after its successful completion. Some of the bugs were generic while most of them were specific to the browsers.

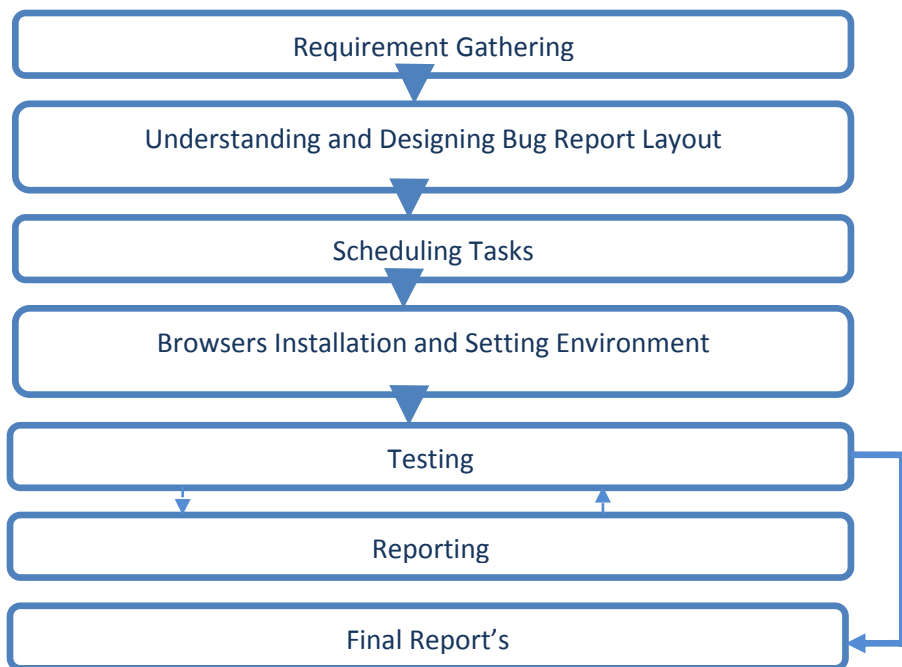
The figure below illustrate that more bugs were reported in I.E 6 than any other browsers for all web pages. The total numbers of bugs for I.E 6 were 152 as compared to the lowest bugs i.e. 128 found in Safari.

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



Process

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



Conclusion

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 generated reports for the client were very helpful to them to speed up their development and website's improvement process before the launch.

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