

Web Application > Online Psychometric Testing Application

Increasing test-taking and reporting turn around time: Stylus is actively involved in maintenance of a web-based test taking application for past four years.

The Client

ePsychometrics is an organization that is into psychometric testing hired Stylus Systems to create an application for one of their clients – a company that develops recruitment strategies, pre-employment tests, interviews, role-play simulations and also acts as a financial consultant to organizations.

ePsychometrics desired to web-enable a HR test-taking application that they had created. They gave us the test material and reports and we helped transfer the same onto a web-based application.

The Challenge

When Stylus had developed the application four years back it was looking and working perfectly fine. But as requirement kept changing and live data was being added it became a complicated site to work on and at this point our maintenance team finally took over.

The challenge was that not only new features were being added constantly but also additional features were lined up to be added in future. This meant we had to keep scalability of the site as a top most priority.

The solution

We took this site and started clearing the code to add clarity. We constantly checked the performance of the site and fine tuned the queries to make the application run faster. The database interaction part is most critical in terms of the performance as this consumes the processor load and significantly affects the site. We had tuned the queries and converted most of them into stored procedures.

We kept adding features and utilities to the site and this made the customer to manage the site without much of our involvement. We also focused more on the reports section and added a more advanced digital dashboard reporting facility. This will analyze the statistics and present a more detailed report which is highly

customized to the requirement. Graphs and charts were extensively used to read the reports easily and get an understanding of the kind of applicants being registered in the site and the pattern of the applicants who are successful.

The Bottomline

Our ideas, suggestions and responses improved the performance of the site dramatically and our client was really happy with this work.

To make it short, what delighted our customer to make it short were the following:

1. Quick enhancements
2. Smooth integration with other software
3. Our bug fixing and technical support experience
4. Our constant monitoring of Windows, IIS logs and profiling of database
5. Our response to data recovery from any database crash
6. Our initiative to archiving old data to improve the performance of the website
8. Our ability to create customized and complex reports using the third party components
9. To do data analysis and providing value added solutions

Overall, our client continues to work with us and we are delighted in adding value and serving him in the best way we can. This is what he has to say about us:

"Your dedication and extraordinary talents have built a system we can all be proud of. It is truly a world class site...Your great aptitude in building new features as well as your persistence and responsiveness in troubleshooting and solving problems has been nothing short of amazing"

If you are interested in learning more about our Solutions and Services, please check out the [Solutions](#) and [Services](#) sections.