path

Robust Application to Generate Large Volumes of Data

Transit Link realized that their in-house intranet system was not supporting the rapid growth, in terms of introducing new services and changing the service details. Path came out with a robust and stable application with comprehensive user support enabling it to generate the large volume of required data.

TransitLink

Transit Link Pte Ltd is a service company set up to provide an integrated public transport system by bringing the MRT, LRT and buses together as one single, comprehensive network.

Customer:
Transit Link Pte. Ltd.
Singapore
www.transitlink.com.sg

Industry:
Transport Service

Technology Used:
Java, J2EE, Jasper Report, Oracle 10g, Tomcat 5.0/6.0, Windows 2007

"Path is accommodating and has the expertise to deliver according to the required specs. We are satisfied with the service they offered including the relationship management in spite of the fact that the team that was working sat offshore."

Business Challenge

Transit Link (TL) was supported by an in-house intranet application and the requirements of information integration services was growing at a rate and scale that these applications could no longer support. Existing application was not dynamic and to make any small change needed lot of efforts and manual intervention. TL soon learnt that their system was not supporting the rapid growth, in terms of introducing new services and changing the service details.

Solution

Transit Link engaged Path Infotech Pte Ltd to address these challenges. Path's team reviewed the application architecture, analyzed the codes to understand its functionality, and soon came out with a comprehensive strategy that there are 6 core process areas in which Transit Link needs the new application to work for information integration standpoint;

- Validate data available in CSV files received from the operators.
- Provide information about any change in the record that already exists in the database and option to accept or reject the same.
- Upload CSV file in the database
- Generate output files in PDF format. The structure and design of the PDF files is predefined.
- Provide the functionality to maintain the fares for different categories, displayed in poster's fare matrix
- Provide the dynamic solution to change the colors used in service route details for different bus operators.

The growing need for information integration and comprehensive service information panels displayed at bus stops and most MRT stations has brought into picture the requirement for developing a system that can provide an effective and user friendly solution for uploading CSV file received from the service providers/operators and get the PDF outputs, in a predefined format, as output. Moreover the solution is also focused to reduce the time involved in manual proof reading and modifications to the existing application output by overcoming its limitations and automating the processes.

Benefits

- Robust and stable application with comprehensive user support enabling it to generate the large volume of PDF outputs.
- Enhanced functionality with new features like PDF output in different font sizes, dynamic colour change for bus operators in service route detail and poster's fare matrix, change the box sizes based on the data.
- Improved response time to generate the service details, index to roads and posters.
- Visible improvement in size of PDF output and dynamic poster generation leading to enhanced customer satisfaction.

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