

WORK FORCE SCHEDULER

The Client is an enterprise product development company and a leading provider of workforce optimization solutions in USA. The Project was the development of a robust and highly scalable software product for workforce optimization.

Challenges

e-Zest responsibility was to develop a software product for workforce optimization. The Application required a scheduling system with multi-database, multi-language and multi-browser support. The workforce optimization solution should help organizations lower payroll costs, ensures sufficient skilled staffing and provides accurate record-keeping, enabling companies to effectively manage large, complex work environment, optimize job assignments and replacements, work-shifts and increase return on investment with minimum total cost of ownership for the software product buyers.

Solution

The Workforce Scheduler hosted application follows the MVC (Model View Controller) approach to development. This approach separates all of the presentation logic, business logic, and application logic. At e-Zest we used Struts framework from the Apache Software Foundation to enforce this approach. The front-end of the application was written in JSP. In addition, JavaScript was used where necessary. The server-side of the application was written using Java 1.2 Standard Edition (J2SE) and components from Java 2 Enterprise Edition (J2EE). Java Beans were used to store the data for the applications. e-Zest advised the client not to use Enterprise Java Beans for development. EJB seemed to have a steep learning curve and longer development time for functionality that did not seem necessary for an application of this scale.

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	G View Division Details	
Home	G Administrator ->Application Data -> Division	
Administrator 😽	G Edit G Cancel	
Application Data 🛛 😸	G Division Details	
Division	-	
Area		
Department	G Division Code	DIV03
Group		
User	G Division Name	Casino Division -
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Permissions	G Division Description	Casino Division
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Technology

Java, Oracle 9i, SQL Server 2000

Conclusion

e-Zest had to deliver a tool which had a complex design but had to be very user friendly. The Workforce Scheduler application developed by e-Zest provides a powerful tool for time management, demand optimization, process automation and workforce reporting and analytics. Rules-based scheduling to ensure organization's scheduling rules and practices are enforced every time. Flexible and configurable rules ensure that each department within the organization can have a scheduling solution tailored to its specific needs. It's a one stop workforce optimization solution to meet all the organizational needs.

