# WORK FORCE SCHEDULER

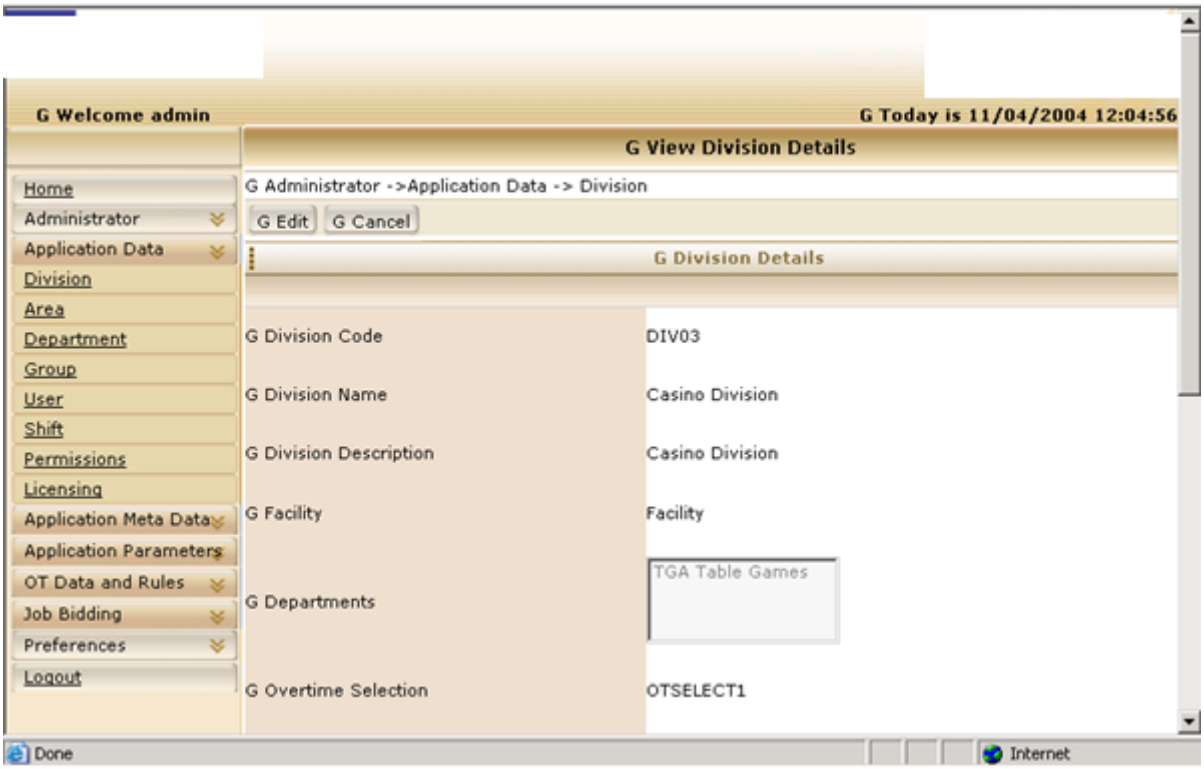
*The Client is an enterprise product development company and a leading provider of workforce optimization solutions in USA. The Project was the development of a robust and highly scalable software product for workforce optimization.*

## 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.




## 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.