

Customer

Child care organisation

Challenge

The Nanny - Personnel Planning system is an information system for child care organizations. It provides a set of features to control employee's time and working schedule. The goals of the project are to enhance the existing MS Access Application by providing rich user interface preserving, to improve existing functionality, and to make the application web-enabled (available over the Internet and intranet).

Solution

Windows Presentation Foundation was selected for realisation. This choice provides the foundation for building a rich user interface, which exploits the full power of a client computer and is easily available over the Internet and intranet through native XBAP support.

XBAP applications are hosted in a sandbox. It ensures that the client's computer is protected against misuse and allows applying necessary restrictions to secure client-server interactions. ScienceSoft team has developed several ways to enable secure client-server interactions, which are applied to new WPF/XBAP projects.

The system's functionality is realized on web service hosted on solution provider's server. It considerably simplifies its maintenance. Because XBAP applications are only allowed to interact with web services hosted on the client-part server, direct access to provider's web services is denied. Client-side part interacts both with customer side and provider side web services.

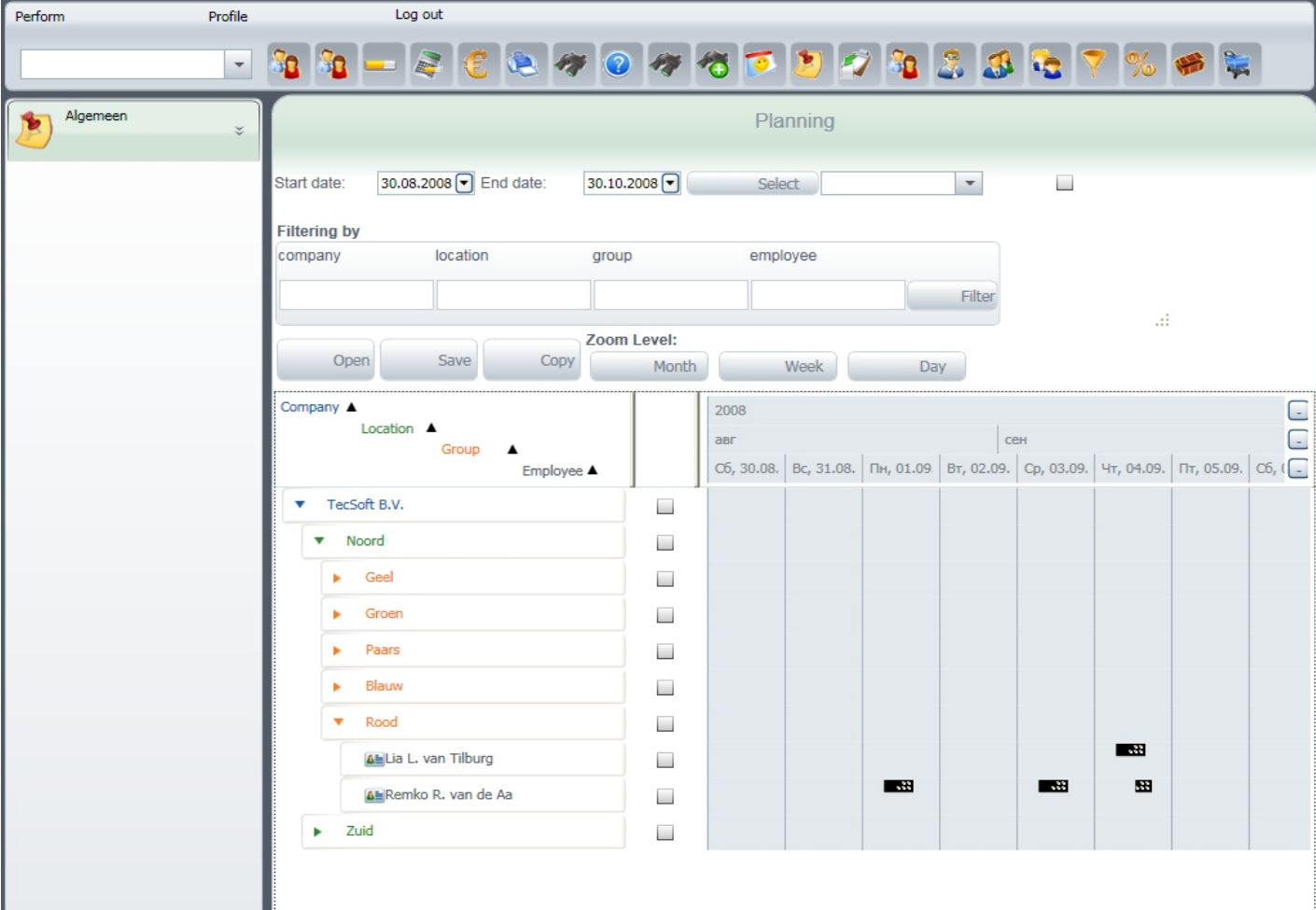
Results

We're now working on this project delivering builds on timely basis.

Technologies and tools

Microsoft .NET Framework 3.5, WPF, XBAP, ASP.NET Web Services, C#, LINQ, Microsoft Visual Studio 2008, MS SQL Server 2005, MS Windows Server 2003, Microsoft Internet Information Services.

Selected ScreenShots



The screenshot displays the 'Planning' module of the Personnel Planning System. The interface includes a top navigation bar with 'Perform', 'Profile', and 'Log out' options, and a toolbar with various icons. A left sidebar shows a tree view under 'Algemeen'. The main area features a 'Planning' header with date selection (Start date: 30.08.2008, End date: 30.10.2008) and filtering options for company, location, group, and employee. Below this are 'Zoom Level' buttons (Open, Save, Copy, Month, Week, Day). The main content area shows a tree view for 'Company' (TecSoft B.V.) with sub-locations (Noord, Zuid) and groups (Geel, Groen, Paars, Blauw, Rood). The 'Rood' group is expanded, showing employees 'Lia L. van Tilburg' and 'Remko R. van de Aa'. To the right is a planning grid for 2008, with columns for days of the week and dates (e.g., Cб, 30.08., Bc, 31.08., Пн, 01.09., Bт, 02.09., Cp, 03.09., Чт, 04.09., Пт, 05.09., Cб, 06.09.). The grid shows resource allocation for the selected employees.