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STUDY
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Project Name - Time Tracking Software

Trace Time is a **Web TimeSheet** that allows users to track time against projects, enter billable and non-billable time, and compare expected time to the total time consumed by the project.

Features

- Easy time entry with the user friendly interface
- Freeze Time sheets when needed
- Provision to enter time from anywhere through internet if needed.
- Pre-populate tasks to be available for time entry
- Configure the timesheet fields to fit your organization's needs
- Enter time through offline timesheets if internet access is not available
- Insert comments about work associated with entries.

The application is organized on a three tier architecture:

- Data layer - stores all the application data, uses Microsoft SQL Server 2008 as database engine. Can be extended to support new database back-ends without affecting the rest of the application.
- Business layer - contains the core application logic: validating entries, generating reports, permissions, and specific business logic. The functionality is exposed by means of a standardized Web Service interface, which allows easy integration (via XML-based SOAP protocol) with any third party applications.
- Presentation layer - represents the user interface, and has been implemented in several clients: a web client (universally accessible), a desktop client (for desktop and laptop computers), and a mobile client (optimized for mobile devices, such as phones and PDA's)

Platform details

Server components

- Environment: Windows 2003 Server
- Development language: Microsoft Visual Basic 2008
- Requirements: Microsoft SQL Server 2008, Microsoft IIS 6 Web Server

Client components

- Development language: Silverlight 2.0
- Supported operating systems: Windows XP/Vista, Windows Server 2003/2008, Windows Mobile 6, Mac OS X, Symbian, Linux
- Supported browsers: Microsoft Internet Explorer 6+, Mozilla Firefox, Safari, Opera, Google Chrome