

USoft Product Information
Enterprise Development



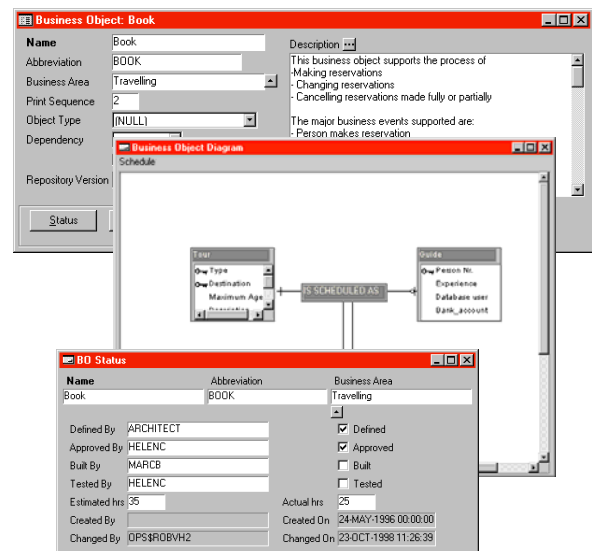
Usoft Enterprise Development Developing Business Systems using Business Rules

Usoft technology is specifically aimed at enterprise development – the management of large business applications and shared team efforts.

Keeping a Business-Wide Perspective

Usoft lets you stay on top of business systems architecture and development by

- Organizing all development effort by business area, business logic, and end user tasks.
- Planning and adjusting projects before, during and after system development.
- Keeping track of changes, work assignments, and decisions made during meetings.
- Enabling parallel development and version control.
- Handling applications, versions of applications and application areas effectively.
- Giving development-time user groups access to specific sections of the development repository.



DSDM Compliance

By combining high-level project management facilities with Rapid Application Development (RAD) prototype implementations, Usoft is uniquely suited to apply the main principles of the Dynamic System Development Method (DSDM):

- Proactive involvement of future end-users.
- Empowered teams of developers and users.
- Frequent deliverables.
- Fitness for genuine business purposes.
- Prototyping and iteration.
- High level of adaptability and reversibility.
- Requirement baselines instead of specific requirement lists.
- Integrated testing.
- Collaborative effort from all parties.

Organizing the Development Effort

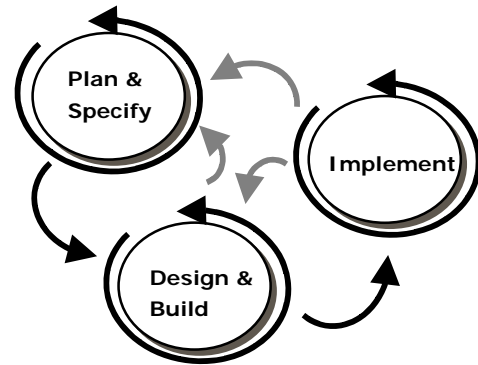
Development methods are an integral part of Usoft's core functionality:

- We have a proven ability to structure project information in central repositories. This information covers both planning and implementation.
- With these repositories, your business model IS your application. True to this approach, Usoft presents a development environment in terms of the real-world business areas and end user tasks which the future system or system version is to support.

- You probably use USoft in combination with other software and services. USoft is interoperable with a wide range of software and allows you to document and keep track of this interoperability. Conversely, it is also able to organize its exposure to other tools, from Automation clients to version control software, and to keep information about deployment and runtime sites. Finally, USoft also lets you load and unload development data from any modeling tool or data dictionary using Microsoft Repository or Universal Data Access standards.

Planning Your Projects

The reality of rapid application development is that planning, decision and implementation phases overlap in complex ways. As its first selling point, USoft offers superb adaptability of software specifications at all stages of development. To make the most of this adaptability, plan and document all stages of the development effort in a module called USoft TeamWork. USoft TeamWork is tightly integrated with the core software factory part of USoft, while at the same time allowing for maximum flexibility. This makes it the ideal environment for proceeding in iterative phases as advocated by DSDM and other methods



Flexible Planning: Iterative Phases

- You can plan, organize and document your work within USoft but you don't need to.
- You can do this before development starts, or in parallel.
- You can even organize software AFTER development. This could apply to reverse-engineered data from a legacy system.
- USoft GUI design modules invite you to label and structure end user tasks ahead of time, but you can also leave that until later, or make amendments at any time.

Keeping Track of the Development Process

One very logical place for keeping track of what happens during development is in the software development tool itself:

- Make notes covering just about everything from questions, answers and to-do lists to requirement statements, session notes and records of early tests and bug fixes. All these notes can easily be tied to business areas, implementations, meetings and RAD sessions, users and attendees. You can also refer to design documents, and create note sets.
- Organize all the development tasks and monitor progress. You can assign tasks to team members, keep track of open and finished assignments, test needs, who performed tasks and when, and whether logical units of software were approved, built or tested.
- Take advantage of change logging. USoft TeamWork automatically tracks changes to any part of the system under construction. It also automatically tracks in what version of the application an element was first introduced.

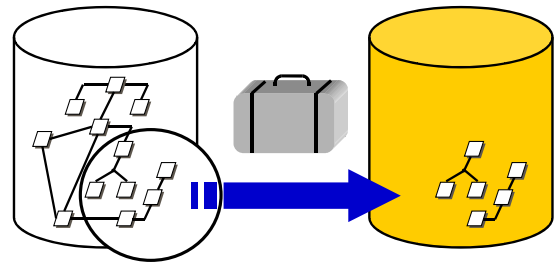
Enabling Parallel Development and Version Control

You want to release whenever required, not wait for all planned features to be finalized and then cause a fearsome "Big Bang". This means you cannot work with static all-or-nothing sources of product versions.

- While a team is still working on a subproject, another team needs to start other work in an overlapping area.
- The test team needs to start testing even though a neighboring part of the system is still under construction.
- You want to cascade a change in functionality to more recent versions currently under development.

How can you accommodate these familiar requirements? The answer is in the ability to move parts of the system from one physical repository to the other. Usoft TeamWork enables you to bring anything from entire system areas to individual implementation details from one repository to another. This includes your entire development effort: data model, business logic, GUI specifications, batch job definitions...

When you use Usoft to transfer system data between repositories, the target repository is automatically protected against corruption: parts of the system that are not owned, but only shared, by the new functionality will not be overwritten by the later version. Manual import and export specification is thus reduced to a minimum.



Intelligent Transfer of Application Data between Repositories

Authorize Development-Time User Groups

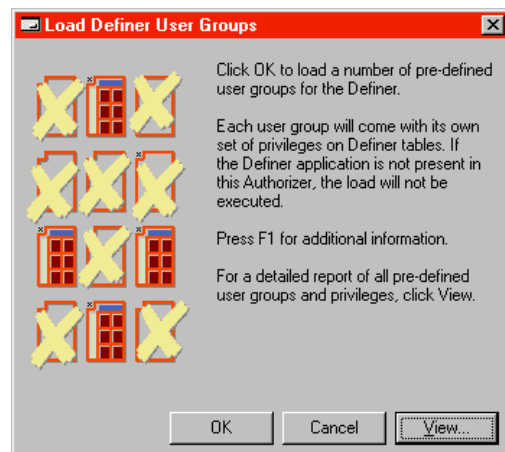
Usoft Authorizer provides pre-defined user group privileges. Development-time authorization for consultants, end users, decision-makers, business architects, project managers ... is achieved at the click of a button.

Because this feature is embedded in Usoft Authorizer, you can fine-tune default authorization to any level of detail required. If applicable, you can define sub-groups of developers and give each of them access to their own application area.

Handling Applications

With Usoft you can develop client/server (Windows) applications, web applications and business tier applications that can be accessed, for example via ODBC/JDBC, OLE/DB, and XML or SOAP.

Usoft allows you to manage entire application areas, so you can re-use development work in a variety of settings.



Use parts of Usoft applications as database-independent template modules. Use template modules to give new projects a jump-start. Lift part of an application out of a central repository and take it along with you to a different site as a briefcase application for prototyping or training purposes, or for remote operation. From a central repository, derive light applications for many purposes. A light application could act as a data manager service (for example, as a web service) for non-Usoft runtime clients.

The Usoft advantage today is a consolidated version of this expertise, extended in two directions:

- *Enterprise Development manageability* - Using the same core Usoft technology, develop large applications and stay on top of any level of development-time complexity in areas such as version control and parallel development.
- *Interoperability* -Usoft's approach to modularity facilitates interaction with third-party development tools. Exchange system architecture information between your favorite modeling tool and Usoft, use Usoft TeamWork to keep track of interoperability, ship Usoft applications or part applications to act as components within third-party runtime systems and software management tools.