



Database Services

Advanced effective databases are based on the relational model. The relational model is a well defined concept of how users perceive data. USSMC, Inc. has the expertise to assist you with your relational database designs. One necessary aspect of database development is the determination of the needs of the customer. We deliver high quality, up front analysis and design to expedite the development process defined below:

Development Life Cycle

1. Determination of business rules and processes
2. Relational Database design
3. Creation of the Graphical User Interface
4. Advanced testing process
5. Development of key analysis tools such as reports and queries
6. Implementation of database
7. Integration of database with key processes and other platforms

USSMC's Custom Software Design

USSMC designs and develops custom applications to compliment commercially available systems as required by client business processes. These systems typically are stand-alone systems that are designed to accommodate interfaces based upon business need. All custom software is designed using a three-tier, full object model approach that facilitates program extension and distribution.

USSMC has expertise with design and development both from a project management and a technical implementation perspective. Project management resources typically perform the role of a traditional project manager with responsibilities for the overall success of the project.



These duties would include responsibility for the development and management of the project plan, allocation and management of resources, allocation and management of project budgets, liaison duties with client personnel and management of third party contracts or resources. The project manager would also be involved with the decision making process regarding application architecture, database selection and testing scenarios to ensure customer demands for extensibility and portability are met.

In many cases, custom software projects require a larger amount of technical resources due to the nature of the work. Technical resources perform task execution, manage individual assigned tasks to timeline and budget and take action for negative variance situations. System architecture code development are primary tasks for technical resources in custom software projects.

For smaller projects, USSMC can also provide a project engineer with combined responsibilities for project management and task execution. The use of a project engineer is generally considered when the application affects smaller segments of the business environment (e.g. departmental or work group).

USSMC has developed a specific methodology for implementation that provides excellent customer interaction and communication, in depth documentation, management of client project budgets and on-time completion of projects. This methodology provides a way to build the project plan, to ensure management commitment to the project, to provide regular feedback to the client organization, to work effectively with third party providers, and to provide detailed documentation upon project completion.

Unless otherwise requested by the customer, USSMC designs all software in an object-oriented manner consistent with the development language being used.

USSMC's IT Consulting/Application Implementation Service Strategy:

USSMC's IT Consulting team has implemented numerous different types of applications for manufacturing environments. Implementation services include project management and technical resources for complete scope of implementation.

This virtually eliminates all client resource requirements except functional business process expertise required for custom configuration. Project management resources



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