Application Development Process

Trinity's Application Development process is divided into five phases:

Envision
During the Envision Phase, the proposed project, including specifications and objectives, is given a thorough review. The project description is fully generated, methodologies are chosen for development, and the project is given its complete pre-design scope (including phase scheduling).

Design
During the Design Phase, Trinity work's with the client to identify end-users or user groups for the application. The users should help to refine goals that should be met by the application. This goal-oriented vision is employed to define and document archetype users, including their goals, and how these affect the planned process. Through review stages, rough designs are honed and become functional front-end designs for the application. These front-end designs are subject to user testing, and needed improvements are represented in the final design.

Development
In the Development Phase, Trinity thoroughly refines the documented Application Plan, including a map of all files, functions, etc. In this map, all back-end processes are separated from the front-end display (presentation layer). We then proceed to Database Architecture, which includes the development and documentation of all data structures created or changed. Trinity then performs the application programming, runs through a code optimization and security review stage, and releases the application for Alpha testing, including resulting change requests.

Deployment
The Deployment Phase begins with preparing the environment for a monitored Beta release (private or public), which includes a complete backup of the preexisting environment in the event that it becomes critical to efficiently roll back the release. Deployment includes user support and training (as applicable) and additional development solutions for bugs identified during the deployment window (for example, 30 days). Once the deployment period is finished, the final product is deployed, product documentation is completed, and a final meeting is conducted to review the project.

Post-Project Operations
Trinity is available to provide continued application monitoring and maintenance as needed. It is also happy to provide continued development or support to the client's in-house development team. Further, Trinity can provide training to users at various levels and conduct periodic reviews to ascertain where emerging needs have moved beyond the application's original capabilities.

Trinity's Application Development Process combines the best aspects of many Agile methods and Interaction Design. As such, Trinity's customer-focus is oriented on user identification and needs analysis, precise project definition, excellent customer communication, and the timely delivery of a superior product.

Critics of both Agile and Interaction Design might object to Trinity's Application Development Process on one of two points.

First, some developers feel that the process gives too much credit to the client/user – on the assumption that clients really don't know what they need. Trinity absolutely rejects this perspective: when the client/user informs the process, combined with Trinity's experience-based insight, the result is of great value.

Second, some feel that a very precise project scope definition robs the client of its ability to make changes over the course of the project. Again, this perspective is false; on the contrary, it is exactly that precise definition that allows for productive, value-oriented communication and change-planning throughout the project.

The bottom line: Trinity's Application Development Process is based on a philosophy of uniting with the client to create valuable solutions to real business challenges. This relentless focus produces excellent results for our customers.