E-Business Solution Deployment Process

Stage 1: Solution Definition

Through careful planning and vision, e-commerce can be a valuable part of the business model. The payoff can be enormous in capturing market share, building user awareness and acceptance and delivering customer service.

Inorder to build the right solution the 1st time, this 1st stage focuses on understanding the business environment, jointly developing business and technical objectives with a 3rd party (technology, consultancy,…) and creating a lasting and effective strategy.

Checkpoints should be established throughout all stages of the project to ensure consistency with the established objectives.

Every aspect of the project should be documented preferably on a central web server so that every party participating in the project can access this data any time, any where.

Project contacts, schedulesw, issues, plans, action item checklists, meetings, prototypes, documentation and deliverables of each stage can be followed up from this central location.

Stage 2: Business and Functional Design

Using the outcome of stage 1 and the requirement specification developed duing it the functional requirements are developed and designed. In this process, a high level schema of the system configuration is developed. By analyzing data and work flows developed in stage 1 with the customer this system configuration is developed so that it diagrams the processes to be architected in the next stage, technical design.

Stage 3: Technical Design

The 2nd stage of the work is focused on design. Using stage 1 as the roadmap, detailed design plans are created to address navigation, content management, graphic frameworks, database management, middleware, programming tools, system architecture, security and vendor selection.

Existing systems are analyzed in great detail and alternative solutions are described.

Stage 4 : Development and Implementation

This is where the project is brought to life. Programmers work closely with lead developers, project managers, and architects to develop world class code that is documented, modular and efficient. Quality is maintained through code reviews, inspections, source control, build management, coverage analysis and profiling.

Individual modules are built and then integrated into one cohesive working application. Prototypes are demonstrated and a precise client feedback process is deployed.

Stage 5: Quality Assurance and Delivery

The steps in this stage are extensive system and stress testing through an alpha, beta and a beta-2 process. After beta-2 and a final QA checkpoint, the site is ready for final approval. User, technical and management feedback is critical to ensure that the end product will be used and meets the success criteria of the project.

Stage 6: Rollout, Maintenance and Support

Deployment Team		
Person	**Role**	**Function**
Project Manager	Manage the project from a business perspective.	Perform project planning Build and manage relationship with client Handle allocation and scheduling of project resources Manage scope with client Provide feedback to developers Manage issues Manage central, convenient project web site
Architect	Manage the project from a technical perspective	Provide technical design, and system architecture leadership. Select vendors, platforms, development tools. Perform code reviews, and manage quality of delivery. Provide integration expertise.
DBA	Manage the design and maintenance of database.	Provide logical and physical db design Database maintenance Databes performance Monitoring Administration
Developers	Design, code and test software	Design and implement at unit level