

ByelaTech Development Methodology

ByelaTech has a proven methodology for successfully designing & deploying system solutions. Each ByelaTech engagement begins with an in-depth analysis of the client's project goals and objectives to understand our client's ultimate goals. We then tailor our approach in a manner that enables our team to manage project scope, budget, timelines and the development process. With this approach, project milestones and expectations are met and exceeded.

ByelaTech utilizes aspects of the Rational Modeling standard throughout the development engagement. Detailed process and domain models are used and elaborated use cases are developed.

Our multi-phased development approach encompasses several key steps to minimize risk and maximize ROI. Please find below the core phases of our development process:

Phase 1 – Discovery

Phase 2 – Design

Phase 3 – Development

Phase 4 – Deployment

The following sections describe our process and the deliverables associated with analyzing, designing, developing, deploying and supporting the initiatives of our projects.

Phase 1 - Discovery

The discovery process is critical to ByelaTech's full understanding of the developments requirements and goals. Analysis will involve participation and contribution from all client stakeholders. To ensure that client development expectations are realized, ByelaTech will work with our client's project team to articulate target audiences and business objectives. Using these as a guide, ByelaTech will lead a series of key discovery meetings.

The findings from the Discovery are used to create the following documents:

Functional Design Document (FDD)

The functional design document enables us to create a visual map of the information flow and links between the elements that make up the system -- this provides a clear representation of the content areas for the system and the logical threads that users will follow.

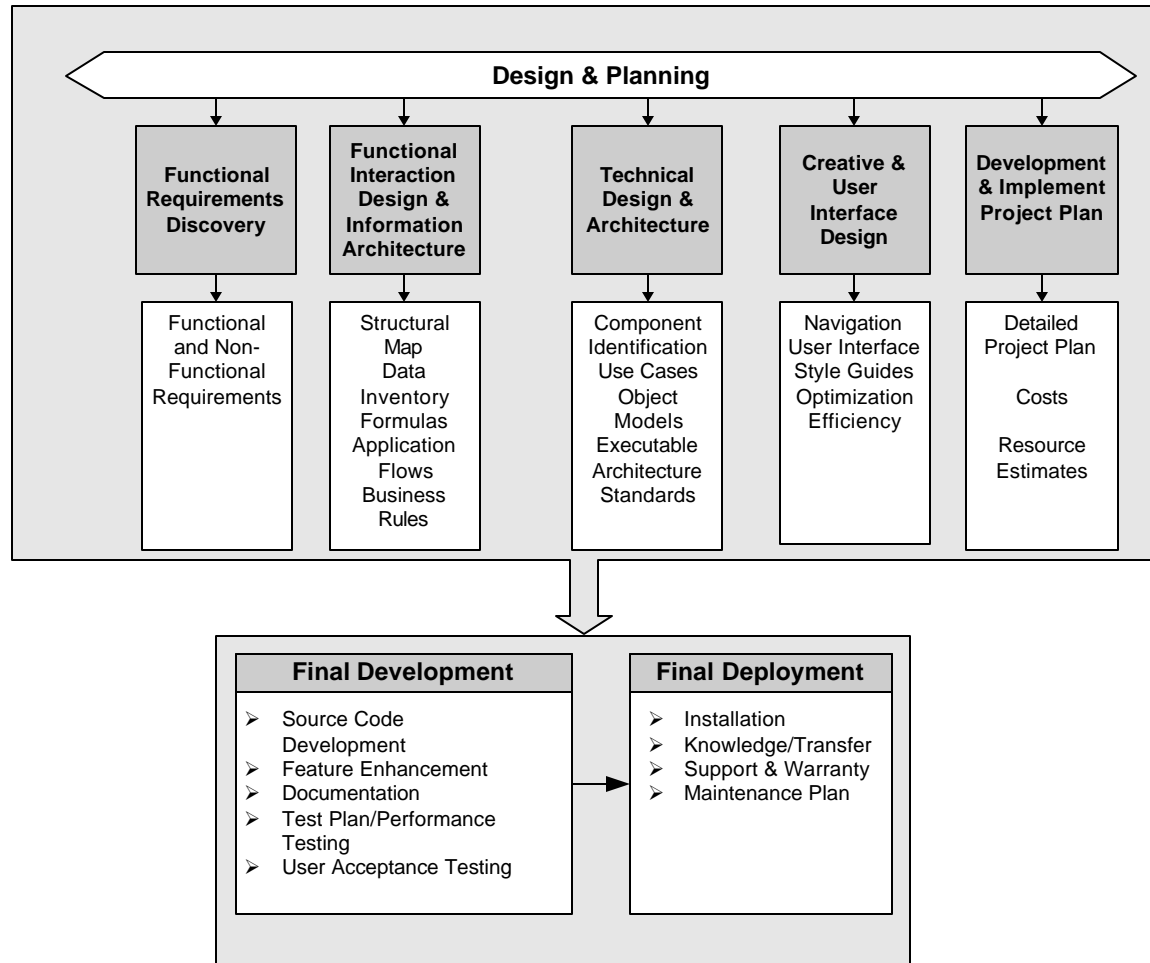


Figure 1. ByelaTech development process and the deliverables

Through a series of "break-out" sessions with key stakeholders, team members gather, brainstorm, document and test all functional and content requirements for each part of the system.

Project Plan

Once all requirements have been gathered and signed-off, an updated Project Plan & Gantt chart will be generated.

Phase 2 – Design

Technical Design Document (TDD)

The technical design document enables the team to determine all of the necessary technical components, including, but not limited to: hardware, software services, database needs – this provides a clear representation of how the system will need to be built and supported, and the steps that will be required to begin development. As the functional requirements of the new system begin to finalize, the Development team members will formulate all of the requirements necessary to develop, implement and support the required functionality of the system.

The build cycle requirements, test plans and test scripts will be created based on the functional & technical requirements of the system. Any necessary hardware or software that client will need to acquire will be identified to ensure their procurement and configuration within the project timeline.

The resulting TDD will go through a series of iterative edits until completed and signed-off by the team.

Phase 3 – Development & Implementation

Following approval of all deliverables in Phase 1 & Phase 2, the development team will be ready to begin work on the system. ByelaTech's development methodology is built around "build cycles." Build cycles are typically intervals, allowing client to see progress of the system on an on-going basis. A typical build cycle includes the following tasks:

Front-End Tasks

Utilizing the finalized graphical user interface (GUI) designs in conjunction with the FDD requirements, ByelaTech will begin to create the front-end components for each part of the system.

Completed and tested templates and graphical source elements will be turned over to the development team for integration with technical components

Iterative Ongoing Tasks for Each Build Cycle

QA/Testers will complete integration testing of the system-in-progress on the development staging server. Bugs will be logged with severity & priority flags, and assigned to a developer for fixes.

Regression testing of all bug fixes will be performed to ensure that all logged bugs can be properly cleared from the bug log.

The Account Manager will provide you with weekly status reports and coordinate any necessary meetings or presentations during the life of the project

Phase 4 - System Deployment

Upon completion of all creative, functional and technical development tasks per the agreed upon requirements, and upon close-out of all open incidents registered in the incident log, a final test run of the system will be performed with your stakeholders to obtain sign-off on.

Once sign-off has occurred, all production and source files will be migrated to the client's staging environment for any final internal QA checks and ultimate deployment to the production environment.

ByelaTech will work with the client's staff to isolate and correct any production issues that may arise once the system is put into production. Any issue that is deemed to be code related/deliverable related will be fixed in a prompt, timely manner depending on the size and complexity of the issue.

Knowledge Transfer & Training

Traditionally, formal training of an application often begins directly upon completion of all maintenance and operational documentation, usually shortly after final deployment of the system. A two-week period is often reserved for pertinent client or third-party staff members to work with ByelaTech's Account Manager and Technical Manager for training on the maintenance of the system.

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