



BUILDING BONDS THROUGH TECHNOLOGY

GrayCell Technologies Exports

M E T H O D O L O G Y

GrayCell Technologies Exports

The contents of this document are privileged and proprietary information and may not be divulged, transmitted, forwarded, copied or duplicated, in whole or in parts, in any manner or form possible, mechanical, electronic or otherwise, without prior permission from the rights holder, namely, GrayCell Technologies Exports.

GrayCell Technologies Exports

SCO-11, Sector – 17E,
Chandigarh – 160017, INDIA
Tel: +91-172-3952526
Mobile: +91-9815111117
Email: info@graycelltech.com



BUILDING BONDS THROUGH TECHNOLOGY

Services >> Methodology >> Design Process

We at GrayCell Technologies Exports use industry proven project methodologies including OOAD & SSAD techniques. We follow Waterfall SDLC Model for development and OOAD (using UML Use Case, Activity, Component, Collaboration, Sequence and Class Diagrams), Data Flow Diagrams (Level 3), E/R diagrams to model our Database (3NF with BNF structures/4NF) for Structured Systems Analysis and Design techniques.

Project Scheduling has played a vital role in our development activities because the determination of Critical Path leads to a deterministic SRS (Software Requirement Specification).

The solution for the complete SDLC comprises of the following phases:

1. Requirements Analysis
2. Design
3. Development
4. Testing
5. Implementation

The processes described above are divided into 3 phases.

PHASE I - Discover and Define

Business Processes	Requirements Definition; SRS and Use Cases; Flowcharts and storyboards
Technical	Project Methodology Document; High Level Work Breakdown, High Level Architecture
User Interface	Prototype

In the first phase, we emphasize on understanding the client's requirements. This process of understanding goes hand in hand with a 'discovery' based approach in which we evaluate other potential avenues that the client might have overlooked. This clears out any discrepancies and enables the design team to prepare the first estimate.

In the first phase, we emphasize on understanding the client's requirements. This process of understanding goes hand in hand with a 'discovery' based approach in which we evaluate other potential avenues that the client might have overlooked.



BUILDING BONDS THROUGH TECHNOLOGY

This clears out any discrepancies and enables the design team to prepare the first estimate.

The first estimate is based on a High-level Work Breakdown. In case of larger projects, we undertake a detailed analysis and requirements study that delivers:

- (a) Requirements Document
- (b) Level 1 Work Breakdown Structure
- (c) Project Schedule
- (d) Payment schedule
- (e) Contract of Agreement.

At the end of the process, a formal design document is prepared that is used as a reference document throughout the project development.

PHASE II - Design and Develop

Business Processes	Process Mapping, Use Cases, Workflow diagrams and documenting Business Rules
Technical	Data Flow Design; Solution Architecture; Test cases; Change control and management, Database Design
User Interface	Interface Design, Layouts, Prototyping

The development process is an evolving iterative approach for web projects. We realize the requirement of WiP (Work in Progress) in this and in order to do so, employ a client extranet.

This phase can be broadly seen in two interacting stages. The process starts with a Functional Specification Document (FRS) that is approved by the client. Based on this, we develop a prototype that is again approved by the client. As we implement the functionalities described in FRS, the client is kept up-to-date with key-milestones undergoing client review. A modular approach allows branching of the development process that enables a faster development and approval cycle. The iterative approach allows the clients to tweak their requirements based on practical experience when the product takes a functional form.

Throughout the process, each iteration also undergoes a thorough check by our Quality Assurance team. This is a transparent process for the client. At the end of the process, the final product is delivered to the client.



BUILDING BONDS THROUGH TECHNOLOGY

Phase III - Deploy and Verify

Business Processes	Testing and Process Monitoring, QC
Technical	Plans and Test Reports, Client feedback

Performance of the application is monitored for a brief period of time even in cases when a maintenance agreement is not in place. Any performance enhancements that are required are implemented. Similarly, any problems that are found during the live functioning of the product are resolved.

Services >> Methodology >> Project Management

At GrayCell Technologies Exports we do not believe in making compromises in any respect .thus, each venture undertaken in given equal importance and attention. every project is headed by a separate project manager who is skilled and experience to handle ample work and knows how to lead and motivate his/her team effectively

Once a client approves of the functional requirement for a project; the Project Manage prepares a document outlining the schedule for the project and deliverables for the project. The schedule includes completion date and other dates of completion of other milestones of the project.

The Project Manager is responsible for the project from the very inception. The GrayCell Technologies Project Manager will carry out the following project management activities:

- Status updates to the client.
- Receive status from team members and coordinate activities accordingly.
- Take project decisions and provide any logistics support.
- Communicate with the client.
- Attend conference calls.
- Report to CEO the status of the project.