



**Codea Technologies**  
**Project Models & Development**  
**Methodology**

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# Document Scope

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This document lists the types of projects that Codea Technologies handles and the processes that it adapts for each project type. It also includes the processes followed by the team during the course of project development like status reporting, issue tracking, bug tracking and change management. These processes are tailor made to suit offshore product development model.



# Project Types

At Codea Technologies we classify the projects into two main categories, like Full-Cycle projects and Task based projects. This section details the former, whereas the others would have specific tasks to be done on a project.

## A) Full - Cycle / SDLC Project

- These are projects which includes all phases of the project development life cycle like Analysis, Design, Development etc.,
- Codea Technologies has excellent experience in handling projects of such nature whether it being a product or a custom application
- Projects of such nature are either handled as fixed bid assignments or as a time and material project.
- If the requirements are detailed, and has enough clarity on the functionality, the project is handled on fixed price model.

## B) Task to Task Model Project

- This type is primarily applicable for products that are under maintenance and enhancement phase.
- In this type, Codea Technologies team is assigned with a set of tasks / modules that need to be worked on and delivered for an upcoming release.
- The projects of this nature basically fall into Agile / SCRUM model, where there will be regular updates and meetings that happen to meet the deadline.
- Projects of such nature are handled on a time and material basis on a yearly contract and dedicated resource model.



# Development Methodology

This section details the processes that are followed at Codea Technologies during the course of application development. It includes all the processes right from requirement analysis to implementation. It also covers the project management processes followed at Codea Technologies and the status reporting methods. These processes are well matured and fine tuned to meet offshore development requirements.

## A) Phases:

### a. Analysis and Design

- i. Codea Technologies team works with customer / client representative to gather the system features and requirements.
- ii. The stakeholders of the application are identified and their needs are gathered
- iii. Detailed system requirement specification document is prepared that lists all the features and functionality of the application. This document is reviewed and approved by the client representative
- iv. Based on the requirement and project nature, the technical architecture of the application is finalized. The platform and tools used to develop the application is finalized at this stage.
- v. Usage of third party controls, libraries and its licensing requirements are also finalized at this stage.
- vi. In case of web application, the hosting requirements are analyzed.
- vii. During system design Codea Technologies is open to follow the design standards and practices followed by our partner company.
- viii. If required Codea Technologies will design the complete technical architecture based on industries best practices and standards.

#### Note:

- For majority of the projects it's Codea Technologies's customer representative who gathers the requirements from their end customer.
- If required Codea Technologies can participate in discussions to understand the Requirements

## b. Development

- i. Codea Technologies team ensures that proper development practices are followed while translating the requirement to code.
- ii. We ensure that we write clean code with proper code comments and naming conventions
- iii. During development Codea Technologies is open to follow any standards that our partner companies ask us to use.
- iv. The development code is properly managed and version controlled in appropriate configuration management tools like MS VSS, SVN, CVS etc.

## c. Testing, Packaging and Implementation

- i. Before delivery the application / product is passed to the QA team to review and perform system and functional tests
- ii. Upon approval from QA team the application is marked for delivery
- iii. If required, Codea Technologies will prepare the application build and setup files.
- iv. In case of web application, we can provide application deployment service

## B) Development Model

This section lists two models using which the team develops the application.

### a. Online Model

- i. In this model, the development happens at client end.
- ii. The application development tool, database and configuration tools are maintained setup at client environment.
- iii. Codea Technologies development team connects to the client environment using VPN and works on RDC model.
- iv. This model would have 10% of production loss since it happens over internet.

### b. Offline Model

- i. In this model, the work and development environment is setup at Codea Technologies.
- ii. During the course of development, on agreed intervals the application source code is checked in to the client configuration management system.
- iii. This model has been more effective and productive when compared with the online model.