
Acme Software, Inc

Ajax Milestone Delivery Plan

Implementation Roadmap

Revision 1.0 -- 06/14/05

CxSample_ImplementationRoadmap.doc

Introduction

Purpose

The Ajax Project Implementation Roadmap defines the high-level path through the project and the major dependencies. It is used to facilitate communication, planning and control across team. It defines primary reporting and tracking vehicle for communicating status outside the development teams.

Planning guidelines

Defining the milestones was based on the following guidelines:

- **Maintain Release Quality** Bring Ajax to near-Release Quality on a frequent basis. This helps keep the quality high and reduces the risks of uncovering a fatal defect late in the process.
- **Provide frequent stable releases.** We need to provide the Core and the Extended teams stable, frequent releases in order for them to progress on their work.
- **Use Rolling Wave Planning.** Include updates to the plans and estimates as more information is uncovered.
- **Anticipate mid-course changes.** Allow changes to future milestones to respond to market changes.
- **Include both the Core Development & Extended Teams.** The milestone definition and completion criteria must present a complete picture of what needs to be done across both the Core and Extended Teams.

General Strategy

The Ajax Project will be using incremental development. The project has been divided up into milestones that provide the details of when work will be accomplished. Milestones will be a time box activity, typically lasting one month.

The general strategy for this plan is to deliver functional capability in a pipeline fashion as illustrated in the *Ajax Project Plans – Lifecycle Description* document.

The Ajax Sales System will be implemented in the following order:

- Project infrastructure
- Basic application framework
- High risk items
- Features in priority order

Completion Criteria

Completion criteria have been defined for each milestone. The completion criteria will be used to guide the selection of work packages included in the milestone.

Common Criteria

This section references the following completion criteria that apply to all stages.

C1 Work associated with prior milestones have been completed

C1.1 Defects found during system testing or reviews in prior stages have been addressed (e.g. resolved, rejected, or deferred).

C1.2 Data entities and attributes introduced or changed during the prior stage have been included in the data conversion and data feed routines.

C1.3 Any help text created by the business team has been included into the build.

C2 **Work associated with the current milestone has been reviewed** – All work needed to satisfy the completion criteria for the current stage has been completed or a decision has been made on what to do about the uncompleted items.

C3 Team is ready for future work

C3.1 Requirements and design for features scheduled to be completed in the next stage are defined to a level sufficient to proceed.

C3.2 Lessons learned have been captured for process improvement

C3.3 Project infrastructure (tools and procedures) has been updated as needed.

C3.4 The Milestone Delivery Plan and Work Plan for the next stage have been completed.

C3.5 Resources have been identified and made available for work.

C3.6 Project plans, estimates, and Implementation Roadmap have been updated.

C3.7 Other work products (e.g. architecture, design) have been updated as needed.

C3.8 The milestone review has been conducted and the sponsor has given approval to proceed.

Reference Materials

- Ajax Project Plans
- Ajax Work Breakdown Structure

Definitions and Acronyms

See the Ajax Terms and Acronyms document.

Milestone Specific Completion Criteria

M1 – Project Infrastructure

Objective

Define development processes and procedures that will ensure the on-going integrity and success of the Ajax project. Effort will be concentrated on: automating software construction and testing practices, establishing internal and external project communication forums, and completing the work of defining the Ajax project.

Completion Criteria

M1.0 The common completion criteria defined above.

M1.1 The project plans have been completed and approved.

M1.2 The project infrastructure (hardware, software, and/or procedures) needed for the following items have been implemented and tested.

M1.2.1 Revision Control

M1.2.2 Build System (MKLIB++, daily build infrastructure, upgrade to new compilers, ...)

M1.2.3 Test Environment (Test software infrastructure, hardware required, 3rd party software required (e.g., Oracle & MS SQL Server databases and others).

M1.2.4 Change management, issue and defect management, quality control, and project communications

M1.2.5 The internal web is setup

M1.3 The 3rd Party Payment Processor selection process has:

M1.3.1 The evaluation criteria to be used to select the 3rd Party Payment Processor has been defined

M1.3.2 The top 3 candidate 3rd Party Payment Processors have been identified

M1.3.3 The plan for evaluating them has been created.

Target Environment

The project infrastructure will be released to the development environments.

M2 – Basic application framework

Objective

Put into place the basic underlying services that is common across the system. Primary focus of this milestone will be on implementing the public interfaces. Services will be limited to basic functionality. The services will be extended to full functionality during later milestones.

Completion Criteria

M2.0 The common completion criteria defined above.

M2.1 The following application services are available:

M2.1.1 Menu Harness – The structure to build menus and toolbars.

M2.2.1 Licensee manager – Public interface to determine if a feature is licensed or not. At this point, the licensee manager will just be stub that can be used to manually test the interface. The rules engine will be developed in later milestones

M2.2.2 Access Manager – Public interface to determine if a user has access to the feature and data. At this point, the access manager will just be stub that can be used to manually test the interface. The rules engine will be developed in later milestones.

M2.2.3 Audit Manager – Public interface to pass audit requests and data. At this point the audit manager will just write data to a text file. The business logic to write and manage audit logs will be developed in a later milestone.

M2.2.4 Event Manager – Public interface to pass event details. At this point the audit manager will just write data to a text file. The business logic to write and manage event logs will be developed in a later

M2.2.5 Help Harness – Public interface to insert calls to the help system.

M2.2.6 Error Handling – Basic error handling services to include information and warning dialog boxes.

M2.3 The 3rd Party Payment Processor selection process has:

M2.3.1 Selected the 3rd Party Payment Processor

M2.3.2 Submitted a purchase order to acquire the selected 3rd Party Payment Processor

M1.3.3 Updated the WBS with details needed to implement the 3rd Party Payment Processor

M2.4 A paper UI prototype for the Sales subsystem has been completed.

Target Environment

The application framework will be released to the development environments.

M3 – Simple Sales

Objective

Exercise the basic underlying services that are common across the system by recording a simple cash sale. Demonstrate feasibility of connecting the UI layer to the database layer. Additionally, the audit and error handling systems will be enhanced.

Completion Criteria

- M3.1 A simple cash sale transaction can be recorded in the database.
- M3.2 The transaction has been recorded in the audit log.
- M3.3 The error handling routine has been exercised.

Target Environment

The Simple Sales will be released to the Integration Test Environment

M4 – And so on for the rest of the milestones.