

Agave Project Planning Process



[Document History](#)

Version	Date	Author	Description
0.1	25 July 2006	Frank Bohac	Initial Version

Mission

This document contains a description of the process used by the Agave project to determine functional requirements and plan for the implementation of application capabilities that meet those requirements. This process follows the high level sequence shown below:

I. Scope

Establish functional and performance boundaries at a high level. Establish Critical Success Factors (CSF).

II. Analysis

Determine Functional Requirements in detail. Establishes '*What*' the application is to be able to do and the business Benefit.

III. Design

Select a technology tool kit from available alternatives and map the Analysis onto the selected tool kit. Create detailed construction specifications. Establishes '*How*' the application is to be built and the construction Cost.

IV. Construction

Implement the application.

V. Planning

Create a project plan for each of the steps shown above. Note: a separate plan is created for each step as the first part of that step. The plan describes at least the cost and schedule required to carry out that part of the project. Note: There is no single plan that contains an estimate of scope/cost for all steps combined.

Analysis

The Analysis process is to be performed for each application release using the following steps. A formal walkthrough and signoff process is to be performed after each step.

A. Create Current Physical Model

Determine the physical business process, rules and data requirements as currently performed in the workplace. Note: this analysis should include one (or two) layers beyond the project scope. Includes all current physical markers. The output deliverable of this step is a written DFD/UML (see detailed description under separate cover).

B. Transform to Current Logical Model

Execute Logical Transform (see detailed description under separate cover) on Current Physical Model to create Current Logical Model. Includes Data Model.

C. Create Proposed Logical Model

Add new functional requirements to Current Logical Model to create Proposed Logical Model.

Design

The Design process is to be performed for each application release using the following steps. These steps do not occur until after the Analysis process is complete (with sign-off). A formal walkthrough and signoff process is to be performed after each step.

D. Create Data Design

Determine the proposed Entity Relationship Diagram for the database for the application.

E. Create UI Design FSM

Create paper prototype FSM for UI (see detailed description under separate cover).

F. Create Prototype application UI

Create automated prototype. Implements navigation, color scheme, icons, metaphor rules, look and feel only.

G. Create Detailed Construction Specifications

Create detailed construction specifications. Includes at least:

- Report layouts
- Business rules, functional logic (from PLM Minispecs)
- Screen layouts
- Detailed ERD
- Detailed Data Dictionary (from PLM)