Architectural Concept for Project "CoolSoft v2"

Modules

The following high-level modules have been identified as building blocks of the application system:

1. Inventory Management
2. Legacy System Channel
3. Online Shop
4. B2B Features
5. Back Office
6. Data Layer

Figure 1: *Module overview*

Module: Inventory Management

Non-UI functional module that owns entities related to inventory, but NOT items like the Product, which aren't directly related. Business logic for inventory management may also live here, may be separated in business processes later.

Implementation proposal

Either a service or a service-like library (functional call structure).

Notes and comments

1. Considered implementing data access here, but decided against it.

Module: Legacy System Channel

Communications channel that allows the VFP system to push information about manufactured articles to the new system, and to take notification about manufacturing requirements from the new system.

Implementation proposal

Message queue system for easy interaction from VFP as well as .NET, also for transport security during offline periods of either system.

Module: Data Layer

Service layer to provide querying features to other modules, returning combined data from both legacy and new world databases.

Implementation proposal

Service implementation with specific querying methods

Module: First Module

What does this module do? How do you define it?

Implementation proposal

Results of the thought process about the implementation of the module

Notes and comments

1. Various notes and comments
2. For instance about other ideas that were considered but rejected

Module: First Module

What does this module do? How do you define it?

Implementation proposal

Results of the thought process about the implementation of the module

Notes and comments

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Other Concerns

List stuff here that doesn't fit the module based approach above. A general example would be things like Security, Internationalization, data access, etc