Project Product Description

Title

Examine benefits to be gained by decoupling business logic from existing code base and recommend a way ahead.

Purpose

The purpose of this project is to create a product that allows software companies to separate out the business logic from Intelligent Enterprise Product's core application.

It is intended that this functionality be primarily used by the client, Intelligent Enterprise Products with the possibility of resell and refactoring into decoupling other logic from software.

Composition

The composition of this project is to research and document the benefits of decoupling business logic from the existing code base as well as to produce a software based solution able to dynamically update business rules where necessary.

Derivation

This product is to be derived from a feasibility report to be completed at a later date as well as an approved and complete project mandate.

Development Skills Required

This project along with the documentation will require the following skills:

- C#
- MVC
- Html

Additionally this project will require a basic level of understanding of Prince2 and an understanding of, as well as the ability to implement machine learning functionality.

Customer's Quality Expectations

To describe the level of quality expected from the project's product as well as the standards and processes to achieve that level of quality I will being using MoSCoW prioritization technique. It is important to define this early on in the project as these expectations will impact on every part of the project development.

The first customer quality expectation is that the product be intuitive to use, the quality check for this is that 90% of people find the product easy to use.

The second customer quality expectation is that the product have a high level of performance, the quality check for this is that no load times are greater than two seconds.

The third customer quality expectation is simply that the product perform all functionality without errors, the quality check for this is that upon testing all of the functionality the product remains error free for both the development team and the test team.

The fourth and final customer quality expectation is that the product be visually appealing and consistent in design, the quality check for this is that 90% of people testing this product find the product visually appealing and consistent.

The quality check for all of the expectations has been set to 100%.

Quality Expectations	**MoSCoW**	**Measure**	**Tolerance**
Intuitive Product	M	Survey	±10%
High level of Performance within the Product	M	Survey/Inspection	±10%
Error Free Product	M	Inspection	±0%
Visually Appealing & Consistent Product	M	Survey	±10%

Within the MoSCoW column, I will define the level of quality as defined by the MoSCoW prioritization technique. Values within this column could be as follows:

MUST (or Minimum Usable SubseT) - Requirements that are labelled as Must are marked as being critical to the project to be a success, if any requirements marked as being a Must have not been included then the project will be a failure.

SHOULD - Requirements that are labelled as Should are marked as being important but not necessary for a successful project.

COULD - Requirements that are labelled as Could are desirable however are not necessary, these items are typically low development cost items that could improve user experience or satisfaction.

WON'T - The Requirements that are labelled as being Won't have been discussed in advance of the requirement set and are one of the following: Non-Critical, Low Payback or not appropriate. These items are usually either dropped from the product or alternatively planned into a schedule for a later release.

Acceptance Criteria

The acceptance criteria for this project's product is that the product must meet all set requirements as well as the above quality expectations. This essentially works as a checklist that will be used by the customer to confirm that each of the quality criteria has been met.

The below table will be completed at the end of the project upon the closing a project process.

Quality Expectations	**MoSCoW**	**Yes/No**
Intuitive Product	M	
High level of Performance within the Product	M	
Error Free Product	M	
Visually Appealing & Consistent Product	M	

Project Level Quality Tolerance

For the project level quality tolerances, I have specified the tolerances within the customer quality expectation section of this document.

I have set the following tolerances:

Intuitive Product – This acceptance criteria has been set a quality check level of 100% and a tolerance level of ±10%, this essentially means that in a test group of ten people, the quality test requires ten of ten people find the product intuitive, however due to the tolerance level of ±10% it means that this acceptance criteria will be accepted if nine of ten people find the product to be intuitive.

High level of Performance within the Product – This acceptance criteria has been set a quality check level of 100% and a tolerance level of ±10%, this essentially means that in a test group of ten people, the quality test requires ten of ten people find the product intuitive, however due to the tolerance level of ±10% it means that this acceptance criteria will be accepted if nine of ten people find the product to be of a high performance level.

Error Free Product – This acceptance criteria has been set a quality check level of 100% and a tolerance level of ±0%, this essentially means that in a test group of ten people, the quality test requires ten of ten people find the product intuitive. Due to the lack of tolerance for this acceptance criteria, this acceptance criteria will only be accepted if upon inspection there are zero errors within the product.

Visually Appealing & Consistent Product – This acceptance criteria has been set a quality check level of 100% and a tolerance level of ±10%, this essentially means that in a test group of ten people, the quality test requires ten of ten people find the product intuitive, however due to the tolerance level of ±10% it means that this acceptance criteria will be accepted if nine of ten people find the product to be visually appealing and consistent.

Acceptance Method

For this product, the client Intelligent Enterprise Products is responsible for accepting the project's product. However, the development team and client are jointly responsible for meeting and measuring the acceptance criteria.

Quality Responsibilities

As this project will be my work, and my work alone, I will be the individual producing this product, I will also be the individual issuing the final product approval pending the review of one of Intelligent Enterprise Product's Directors.

Authorised By:

E H J Nicholson

Director IEP