Feasibility Assessment

Document history

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| 1.0 | 24-Aug-2016 | Hardik, Kwino & Patrick | Draft | 28-Aug-2016 |

**Purpose of this document**

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| --- | --- | --- |
|  | * To describe the business vision for the successful outcome of the project * To outline quantified benefits to be delivered along with a justifiable budget for the project. * To outline the critical success factors for the project in terms of: - Timescale, Cost and Scope of deliverables * To give a preliminary indication of any areas within the scope which may be desirable but not essential * To state any known assumptions and constraints associated with the project * Where appropriate, to describe the strategic fit of the recommended solution with applicable corporate/business strategies and standards, stating any concessions/assumptions made. * To identify which business processes and/or systems (whether automated or not) might be impacted by the new solution and which might need to change in order to accommodate it. * To identify any interfaces to associated business process or information systems. * To formally assess the risk related to the project and realization of benefits. * To describe in outline one or more solutions most likely to meet the business drivers and project objectives * To indicate what other apparently less promising options have been, or could be considered * To define the major products to be delivered by the project * To indicate whether the solution will be subject to regulatory and/or legal compliance * To define the expected life of the solution and hence the requirements for maintainability * To identify any technical standards and constraints that are likely to impact on the project |  |

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# Outline Business Case

# 1.1 The Business Vision for Success

To help database administrator and other Small Medium Enterprise (SME) to be efficient and avoid any issue that may happen in the database environment. Risk to database is inevitable and a tool for fixing the parameters in an environment with many database will be a great help to lessen work and be efficient instead.

# 1.2 Scope of, and Success Criteria for the Project

Scope of the Project:

1. Team Meeting

2. Gantt Chart timeline or Work Breakdown Structure

3. Meeting Agenda

4. Project Diary

5. Time Sheets

6. Project Plan

7. Project Proposal

Success Criteria

1. Passed Deliverables

2. Follow Gantt Chart and meet deadlines

3. Follow Methodology and Techniques

4. Use Project in a Box templates

5. Finish end products

# 1.3 Key Assumptions, Risks and Dependencies

Key Assumption

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Assumption** | **To be validated** | **Status** |
| 1 | Website (live or localhost) and Database .exe App Integration | Patrick Cura, Kwinno Pineda, Hardik | Confirmed |
| 2 | Website email notification customer and admin | Kwinno Pineda | Open |
| 3 | Documents done first week of October | Matt | Open |
| 4 | Methodology and Techniques | Patrick Cura, Kwinno Pineda, Hardik, Matt | Confirmed |

Risk

Negative Risk

|  |  |  |
| --- | --- | --- |
| **No.** | **Risk** | **Result** |
| 1 | Poor Time Management | Every deliverables are being left behind |
| 2 | Project Plan not followed | No finish documents or unfinished documents |
| 3 | Methodology Conflict | Short time to study methodology effect will be confusion to everyone in the team in following it. |
| 4 | Short time to finish end products | Some features were not incuded or UI design to simple. |

Positive Risk

|  |  |  |
| --- | --- | --- |
| **No.** | **Risk** | **Result** |
| 1 | Database Evaluation Project is completed on time and customers takes interest | We are able to sell our database evaluation services |
| 2 | Other companies start using our system | Lots of positive feedback and subscription to our services |

Project Dependencies

This is an independent project without needing any inputs from external entities or systems.

# 1.4 Alternatives that were Considered and Rejected

It was considered to not involve the creation of a product website and to only profit from creating an evaluation and paid version of the Database Evaluator.

# 1.5 Major Products to be delivered by the Project

Products to deliver are the following:

Client Application – product to be downloaded from the Website and is used to collect SQL Server parameters

Database Evaluator – product to be used to evaluate the SQL Server parameters of a customer

Product Website – used to present the system in the online market

# 1.6 Business Benefits

The project team is expected to gain profit from the Database Evaluation services that we will provide for each customer.

# Outline Solution

# 2.1 The Proposed Solution - in Outline

This project aims to create a Database Evaluator, which will diagnose and check the basic implementation parameters of SQL Server Instances and Databases. A more detailed list of the outputs of the project are as follows:

1. A Client Application that will produce a dump file containing details about a customer’s SQL Server database and instance parameters.

2. A product website where the customer can download the Client Application and upload the SQL Server dump files generated by the Client Application.

3. A Database Evaluator tool that will generate SQL Server evaluation reports using the data from the dump files uploaded by customers.

# 2.2 Proposed Architecture (Hardware and Software)

There are no hardware components involved in this project. Any machine that can run SQL Server can be used.

This project involves three software components which are as follows:

1. Product Website

2. Client Application

3. Database Evaluator

In the Database Evaluator System, there are also two main personas involved namely:

1. The Customer

2. The Project Team

# 2.3 Technical Constraints (including maintainability objectives)

To ensure the maintainability of the software being created, some coding standards will be followed as follows:

1. Comments

Comments will be placed throughout the code base to ensure that the different functions and logic involved can be easily understood by future developers.

2. Code Formatting

The code will be formatted as per standards to enhance the readability of the programs.

3. Testing

There will be regular testing of functionalities to ensure that everything works as per design and no previous features are broken by newly created ones.

4. Documentation

All software produced would have their corresponding technical documentation to give an overview of how it works and how it is structured.