GenesisOne
Revolutionizing Software Innovation

Project Manager Use Case

T-SQL Source Code: Unscrambled and Organized

GenesisOne has a breakthrough and industry-first T-SQL source code unscrambler that automatically reads the details hidden in T-SQL stored procedures without altering the source code in any way whatsoever. With this granular information, it generates organized and precise data flow diagrams along with plain-language descriptions of each programming step within any database object. Resulting documentation can be generated in PDF, Word or HTML.

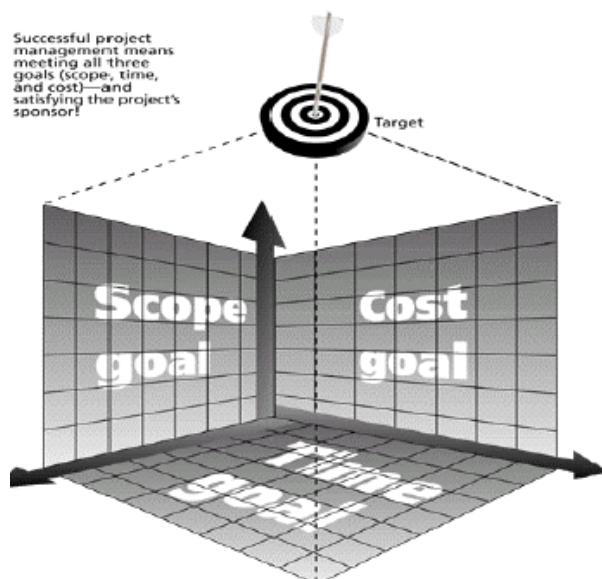This information can greatly benefit professionals at every stage of the SDLC.

Project Manager

In current development methodology the success and failure of the project purely lies on the Project Manager. His scope of assignments are vast, having to lead more projects in a dynamic and effective way, manage each project's team , manage the project's scope/changes and handle any issues that arise which affect the project and its stakeholders. He remains as the reliable and knowledgeable single point of contact.

The Project Manager may need to manage the project development from scratch or need to manage Maintenance/Enhancement projects for those projects for which initial development was handled by other teams or companies.

Every project is constrained in different ways by its

- ✓ Scope goals: What is the project trying to accomplish?

- ✓ Time goals: How long should it take to complete?

- ✓ Cost goals: What should it cost?

Successful project management means meeting all three goals (scope, time, and cost)—and satisfying the project's sponsor!

Target

Scope goal

Cost goal

Time goal

It is the project manager's duty to balance these three often competing goals

Requirement validation activity helps to define the scope goal of the project. The requirement validation process consists of reviewing individual change requests for impact. A change request can be either a defect correction or an enhancement to the system.
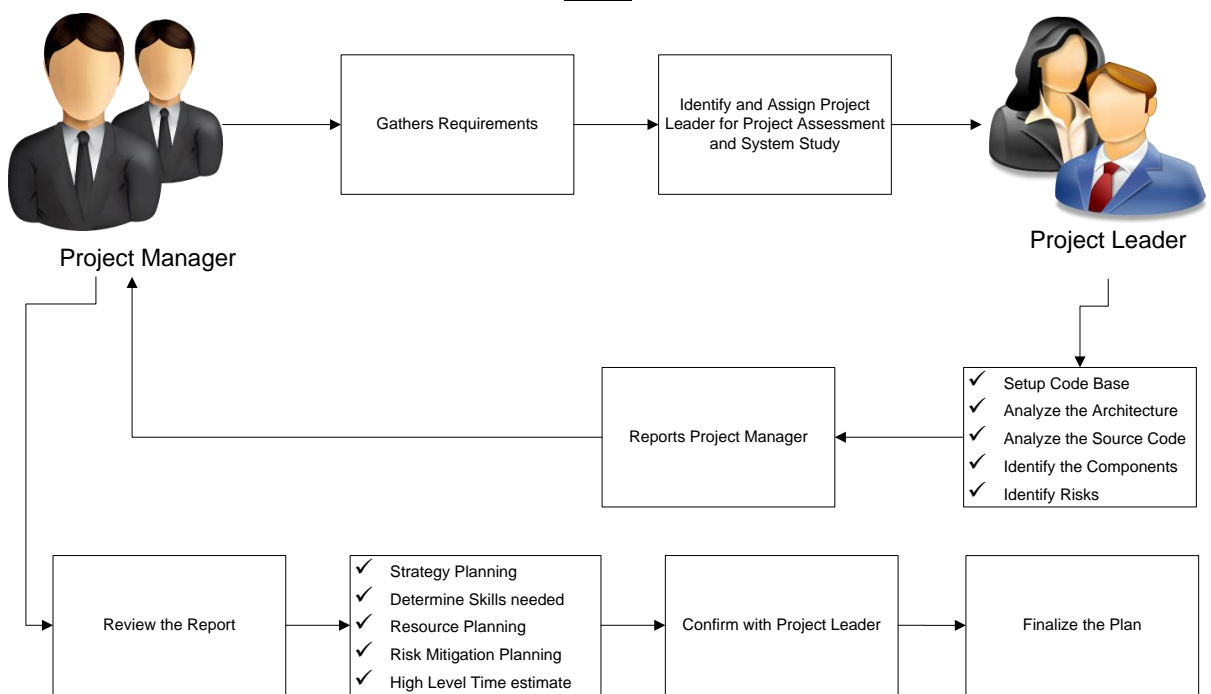
The Process

An engineer reviews the contents of the change request to ensure clarity, completeness, feasibility, and consistency with outstanding change requests.

To determine if a change request is a valid requirement, the Project Manager should have full knowledge about the product/software. If it's a maintenance or enhancement project, the main challenge lies in understanding the existing code and the database components that it interacts with. This means that making changes or corrections involves studying thousands of lines of code for logic and dependencies. Only by understanding the existing product and code knowledge, he/she will then be in a position to plan the following and drive the project on a successful path.
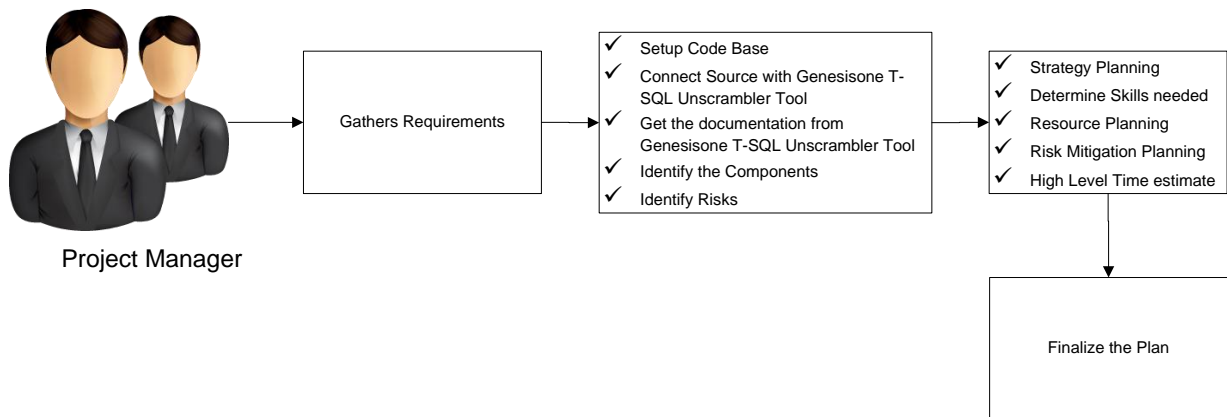
- ✓ Determine skill requirements for critical activities

- ✓ Identify potential risks

- ✓ Resource Planning

- ✓ Time Estimating

- ✓ Managing risks and opportunities

To do optimal planning for the above criteria, the Project Manager needs to rely on any project leader or technical expert to define the process. The GenesisOne T-SQL Source Code Unscrambler™ helps the Project Manager by graphically showing the existing code, process, tables and structure without the need for an expert-level understanding of code. This gives him 100% confidence on planning and handling the project in a cost effective and time effective way.

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Maintenance/ Enhancement Project Planning Before Using the GenesisOne Tool

Project Manager

Gathers Requirements

Identify and Assign Project Leader for Project Assessment and System Study

Project Leader

- ✓ Setup Code Base
- ✓ Analyze the Architecture
- ✓ Analyze the Source Code
- ✓ Identify the Components
- ✓ Identify Risks

Reports Project Manager

Review the Report

- ✓ Strategy Planning
- ✓ Determine Skills needed
- ✓ Resource Planning
- ✓ Risk Mitigation Planning
- ✓ High Level Time estimate

Confirm with Project Leader

Finalize the Plan

Maintenance/ Enhancement Project Planning After Using the GenesisOne Tool

Project Manager

Gathers Requirements

- ✓ Setup Code Base
- ✓ Connect Source with Genesisone T-SQL Unscrambler Tool
- ✓ Get the documentation from Genesisone T-SQL Unscrambler Tool
- ✓ Identify the Components
- ✓ Identify Risks

- ✓ Strategy Planning
- ✓ Determine Skills needed
- ✓ Resource Planning
- ✓ Risk Mitigation Planning
- ✓ High Level Time estimate

Finalize the Plan

% of Time Investment Required in Project's Initial Stage