1. **Design Overview**

This document will show the technical and UI design of the TOM system. It includes 2 parts : the application and the website . In each part we will describe the architectural design and the detailed design of common functions and business functions. It also includes the design of database model, and overall design of user interface.

The architectural design describes the overall architecture of the system, and the architecture of each main component and subsystem. It will describe the patterns being used, the role of each component and the role of the system in the working environment.

The detailed design describes static and dynamic structure for each component and function. It includes class diagrams, class explanations, and sequence diagrams of the main use cases. The detailed design uses notations of .NET framework 4.0 and C# 4.0 as they are the framework and language for developing the system.

The database design describes the relationship between entities, and details of each entity. It uses notations of SQL Server 2008 as it is the database server for developing the system.

The user interface design describes the layout of the system, and some design for the screens.