**Background**

Bellisimo is a company aimed at providing an online platform for customers to browse clothing as well as food catalogues provided by the business located in Hatfield. Information about specials and promotions will be published on the online platform.

**Purpose**

The purpose of this document is to present the reader with a detailed description of the Bellisimo system. It will delve into the purpose and features of the system, the various interfaces of the system, the capabilities of the system, as well as the constraints under which the system must operate. The content of this document is intended for both the various stakeholders and the developers of the Bellisimo system.

**Visions and Scope**

The core of the system will be catalogues of items and their prices. Since Bellisimo is involved in clothing and food, the catalogues will have to ensure that these lines are well maintained. Sales and specials in each line will have to be accounted for and managed. The scope of the system is to ensure that the latest information is being provided about items and their prices.

Architecture Design of Bellisimo System:

At the highest level of granularity, the Bellisimo system is based on Monolithic architecture. Second level of granularity can be visualised as to be based on model-view-controller (MVC).

**Architectural Patterns of the Bellisimo Systems:**

**Quality Requirements of the Bellisimo Systems:**

**Architectural tactics:** The architectural tactic that could address the need of Bellisimo system’s **quality requirements** are as follow:

Design Requirement:

The monolithic implementation will consist of one backend spring boot application that will be deployed as a single unit. Apache Maven will be used as the dependency management tool.

User Management Module  
Scope:

The scope of the user management module is shown in Figure 1. The user management module is responsible for maintaining information about the registered administrators of the system. Administrators can manage information about clothes and food by adding, removing and updating any items in the catalogue lists from the clothing and food interfaces. Administrators can add specials to the Frontend management module. Anonymous users can browse, search and filter the catalogues.

Domain model

Service contracts

Technologies

Catalogue management Module

Scope

Domain model

Service contracts

Technologies

Frontend module

Scope

Domain model

Service contracts

Technologies