**Documentation**

**for**

**ECommerce**

**Prepared by**

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# Introduction

## Document Purpose

The purpose of this document is to provide the detailed description of the functionality of the TBPB web application. Within this documentation the user will find out the essential features of the application and how to take advantage of all our application services. This SRS also serves as an input for the designing and modeling of our shop. This document also covers hardware, software and various others technical dependencies.

## Product Scope

The project we want to implement is an online store. Within this application, we want to make a friendly environment for the customers, where they can easily access any of the application features.

There will be more roles, both normal customers(clients) and administrators. Each client has the opportunity to register and log in. The log in can be made either using the existing shop account or the Facebook account.

There is also a section dedicated to administrators, who can add products, including all the attributes that we will set. There are several product categories.

When logged in, each customer will be entitled to a shopping cart where they can add any of the existing products in the store. He can perform, in the shopping cart, operations to increase or decrease the quantity, but also to delete that product from the list. The price and quantities will be updated, with the addition or deletion of a product from the shopping list.

All accounts, all products and all shopping carts, along with the products they contain, will be stored in the database.

Each operation will be automatically updated in the database.

## Definitions, Acronyms and Abbreviations

HTML - Hyper Text Markup Language

HTTP – Hyper Text Transfer Protocol

IIS - Internet Information Service

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Authentication - The procedure (essentially approval) used by the approval authority in verifying that specification content is acceptable. Authentication does not imply acceptance or responsibility for the specified item to perform successfully.

Client – (1) A computer process that requests a service from another computer and accepts the server's

responses; (2) the individual computers in a network computing system

Database - A collection of related data stored in one or more computerized files in a manner that can

be accessed by users or computer programs via a database management system.

Database management system - An integrated set of computer programs that provide the capabilities

needed to establish, modify, make available, and maintain the integrity of a database.

Functional requirement: A statement of a piece of required functionality or a behavior that a

system will exhibit under specific conditions. These include inputs, outputs, calculations, external

interfaces, communications, and special management information needs. Functional requirements

are also called behavioral requirements because they address what the system does.

JavaScript - A programming language designed by Sun Microsystems, in conjunction with Netscape,

that can be integrated into standard HTML pages.

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SQL (pronounced "ess-que-el") stands for Structured Query Language. SQL is used to communicate with a database. SQL statements are used to perform tasks such as update data on a database, or retrieve data from a database. However, the standard SQL commands such as "Select", "Insert", "Update", "Delete", "Create", and "Drop" can be used to accomplish almost everything that one needs to do with a database. This tutorial will provide you with the instruction on the basics of each of these commands as well as allow you to put them to practice using the SQL Interpreter.

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure, from SQL Server to Azure SQL Database. SSMS provides tools to configure, monitor, and administer instances of SQL Server and databases. Use SSMS to deploy, monitor, and upgrade the data-tier components used by your applications, and build queries and scripts.

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Performance requirement -- A system/software system requirement specifying a performance

characteristic that a system/software system or system/software component must possess; for example,

speed, accuracy, and frequency.

PHP - An HTML-embedded Web scripting language

Portability - (1) A term used to describe an object that can be easily moved, such as a portable

computer; (2) When referring to computer software, portability refers to how easy a software program

can be moved between computer Operating Systems.

Requirement -A statement of need for some aspect of a system, often elicited directly from a stakeholder

or captured from a source document

Server – A central computer (server) which provides services such as file storage, printing, and

communications in a network computing system

Software requirement – (1) A software capability needed by a user to solve a problem to achieve an

objective; (2) A software capability that must be met or possessed by a system or system

component to satisfy a contract, standard, specification, or other formally imposed document.

System - A composite of equipment, skills, and techniques capable of performing or supporting

an operational role or both. A complete system includes all equipment, related facilities, material,

software, services and personnel required for its operation and support to the degree that it can be

considered a self-sufficient item in its intended operational environment.

System Requirement - A condition or capability that must be met or possessed by a system or system

component to satisfy a condition or capability needed by a user to solve a problem.

Use cases - A task analysis technique often used in software engineering. For each module of a

system, common tasks are written up with the prerequisites for each task, the steps to take for the user

and the system, and the changes that will be true after the task is completed. Use cases are especially

useful for making sure that common tasks are supported by the system, that they are relatively

straightforward, and that the system architecture reflects the task structure.

User class - A group of users for a system who have similar characteristics and requirements for the

system.

User interface – A user interface is what you have to learn to operate a machine. For examples, the

graphical user interfaces (GUIs) -- windows, icons, and pop-up menus have become standard on

personal computers.

User requirements - address what the users need to do their jobs. These requirements are implementation

independent and are sometimes called "business requirements." Read about the important of user

requirements.

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## References and Acknowledgments

Word Definition:

<https://www.techopedia.com/definition/>

Different resources:

<https://en.wikipedia.org/>

IEEE 830-1998 tamplate:

<http://www.math.uaa.alaska.edu/~afkjm/cs401/IEEE830.pdf>

Acknowledgments: