

[BOO] Requirements Specification

Version 1.0

April 19, 2021

Table of Contents

1. EXECUTIVE SUMMARY	3
1.1 PROJECT OVERVIEW	3
1.2 PURPOSE AND SCOPE OF THIS SPECIFICATION	3
2. PRODUCT/SERVICE DESCRIPTION.....	3
2.1 PRODUCT CONTEXT	3
2.2 USER CHARACTERISTICS	4
2.3 ASSUMPTIONS.....	4
2.4 CONSTRAINTS.....	5
2.5 DEPENDENCIES	5
3. REQUIREMENTS	ERROR! BOOKMARK NOT DEFINED.
3.1 FUNCTIONAL REQUIREMENTS	ERROR! BOOKMARK NOT DEFINED.
3.2 NON-FUNCTIONAL REQUIREMENTS	ERROR! BOOKMARK NOT DEFINED.
3.2.1 User Interface Requirements	Error! Bookmark not defined.
3.2.2 Usability	Error! Bookmark not defined.
3.2.3 Performance.....	Error! Bookmark not defined.
3.2.4 Manageability/Maintainability.....	Error! Bookmark not defined.
3.2.5 System Interface/Integration.....	Error! Bookmark not defined.
3.2.6 Security.....	Error! Bookmark not defined.
3.2.7 Data Management.....	Error! Bookmark not defined.
3.2.8 Standards Compliance	Error! Bookmark not defined.
3.2.9 Portability.....	Error! Bookmark not defined.
3.2.10 Other Non-Functional Requirements	Error! Bookmark not defined.
3.3 DOMAIN REQUIREMENTS	ERROR! BOOKMARK NOT DEFINED.
4. USER SCENARIOS/USE CASES	ERROR! BOOKMARK NOT DEFINED.
APPENDIX	ERROR! BOOKMARK NOT DEFINED.
APPENDIX A. DEFINITIONS, ACRONYMS, AND ABBREVIATIONS	ERROR! BOOKMARK NOT DEFINED.
APPENDIX B. REFERENCES.....	ERROR! BOOKMARK NOT DEFINED.
APPENDIX C. REQUIREMENTS TRACEABILITY MATRIX	ERROR! BOOKMARK NOT DEFINED.
APPENDIX D. ORGANIZING THE REQUIREMENTS	ERROR! BOOKMARK NOT DEFINED.

1. Executive Summary

1.1 Project Overview

This project is about creating and building a software, specifically a web-based application that manages the activity within the Epoka University canteen. The software is called BOO (Bereqet online ordering). BOO can be used by the customers and staff/students. It covers different procedures like online ordering from the students/professors, different guests and products, price, and orders management by staff (admin or storekeeper).

The client can make the orders directly from a web browser and can be directly notified if order is ready. This is a very efficient way of buying, as it provides a better coordination between clients sellers and admin (storekeeper). Basically, the app has a special user interface for each user. Another task being managed by the app is sales management. The lists of products are updated every time a new product is added in a specific category. These lists are accessible by the customers, who can check the prices, product description and photo. The staff (sellers) can see the orders, description of them for additional changes. Sellers are those who notify if order is ready and are those who make the purchase with the customers. Extra feature is that staff can keep track of entire bills purchases by them during a working day till the decide to quit the shift. Admin is the maintainer of the entire system with feature like adding, updating, deleting product and checking their supplies. Also staff is managed by admin that can add, delete and update particular members. All purchasing record are accessible by admin where he/here can audit, manage weekly, monthly, annual balance. Admin is fully responsible for finances and entire billing records.

1.2 Purpose and Scope of this Specification

Describe the purpose of this specification and its intended audience. Include a description of what is within the scope what is outside of the scope of these specifications.

The purpose of this web app is to provide a set of solutions to the university canteen that depend on sales management and user management. In the current state, when ordering a product when it comes to management it is clear that it is very unorganized. Clients have to wait in a long queue and the employees have a very frustrated way of managing the orders since they have to deal with many people at once. This becomes uncomfortable because some orders may be overlooked by mistake or when there is no more stock of a product and someone is waiting it is timewasting and frustrating. This software will provide a very organized and comprehensive solution for these issues, which will increase the cooperation between administrators, employees and customers. It will make the life inside the canteen easier and save needed time and energy for all the parties that go through the process.

2. Product/Service Description

BOO (Bereqet Online Ordering) is a software which aims to redesign the lifecycle of the university canteen and provide new technological solutions to every step of the process. This software will be used by the administrator, storekeeper and the customer. We want to create a dynamic software, which will become useful to every user (staff/students and clients(outsiders/guests)).

[BOO] Requirements Specification

The software aims to help every step of the company job, starting from simple order receiving to order status tracking, report generation, and much more. If we divide the company in two major subsections we are able to give a more detailed description of what this software provides for both parties.

➔ Company Staff (Administrator, Storekeeper, Economists)

☐ Real time Statistics, Sales Performance

☐ Order Receiving and Tracking, Reports and much more.

➔ Company Customers

☐ Order Making

☐ Order Status Checking (ready or not)

2.1 Product Context

The context of this software is related to the Epoka University. This software solution will be used by every employee of the canteen and also by the customers in order to enhance the cooperation between staff and clients, make their jobs/purchases easier and make sure they make a full use of their time and energy.

2.2 User Characteristics

There will be 3 types of users in this software:

➔ Administrator

➔ Staff (sellers)

➔ Customer ()

a) Administrator (admin/ super user)

- Add/ remove sellers.
- Add/ remove/ update product.
- Check all bills of all sellers during a day, month, entirely.
- Make query for bills and also check the inventory.
- Add/ remove bills.
- Can update his credentials.
- Admin is created since production, a hardcoded one

b) Staff (seller)

- Receive orders that are going to be prepared.
- Notify user for the preparation.
- Delete order if user doesn't come to receive it.
- Confirm the order after the purchase and automatically bill is created
- Able to check bills that are being prepared during his/her shift.
- Is able to change his/her username and password.
- Close the shift/turn at end of the day.

c) Customers (simple user, professor/student,)

- User is temporary as long his order is not purchased yet.
- User is created when he enters the website.
- User can give description to a specific buying (example "kafe shkurter , sanduic pa qep etc. ")
- User can add remove sells entity (sells are orders of the same product).
- The entire order is every particular product ordered by an user (customer)
- After confirming the bought product, needed to and a contact to notify if order is ready.
- Order is created and is assigned to a seller.

2.3 Assumptions

- ➔ It is assumed that the data generated from the system will be fully confidential and only available to the university
- ➔ It is assumed that every staff member is equipped with a smart device from where they will perform every operation they are required to. If not, the university is assumed responsible for equipping every member with the required device. These smart devices have to be capable of receiving information from web browsers. The smart devices are assumed to have a Windows Operating System.
- ➔ It is assumed further that the staff are able to use smart devices and especially the BOO web application effectively and efficiently.
- ➔ It is assumed that every customer should be limited to overview only his orders and not interfere with other customers.
- ➔ It is assumed that administrator, staff, clients have a web browser and an active internet connection.
- ➔ It is assumed that every completed order in a form of bill needs to be stored in the system for documentation and report purposes.
- ➔ It is assumed that the staff member is responsible for the progress of the orders and real time notification.
- ➔ It is assumed that the administrator is responsible for updating stock in real time.

2.4 Constraints

This system will be potentially constrained by:

- The fact that employees need to be equipped at all times with smart devices
- Customer need to provide contact to get order notification.
- The need of a fast internet connection and real time database update.
- Having every employees understand the way the system works and training them to use the web application correctly and efficiently.
- The need of a browser in every device to run the application.

2.5 Dependencies

- Users need to have a strong internet connection in order to run effectively.
- Customer should provide contact number to be notified.
- The order needs to satisfy product stock availability.
- The customer need to have at least 1 product in bag in case to make an order.
- Sellers receive orders in turns, depending to the customer who is currently ordering.
- Bills, purchases track for a sellers is available only for current working day.
- The system is also dependent on the browser performance.