

Software Requirements Specifications
for
Project “BookExpress”

Marc A. Harnos
mharnos@gmail.com

Joscha Rapp
jraxxo@gmail.com

Christian Schulz
crs.s@gmx.net

October 2012

Contents

1	Product Purpose	4
1.1	Obligatory Requirements (“must have”)	4
1.1.1	Book Stores	4
1.2	Optional Requirements (“nice to have”)	4
1.3	Non-Requirements (“need to have”)	4
2	Product Environment	5
2.1	Application Area	5
2.2	User Groups	5
2.3	Operating Conditions	5
3	Product Overview	6
4	Product Functions	7
4.1	Internal	7
4.1.1	Employees of “BookExpress”	7
4.2	External	7
4.2.1	Book Stores (“Clients”)	7
4.2.2	Publishers	7
5	Product Data	8
5.1	Customer Data	8
5.1.1	Book Stores	8
5.1.2	Publishers	8
5.2	Order Data	8
5.3	Internal Data	8
6	Product Performance	9
7	Quality Requirements	10
8	User Interface	11
8.1	Client Application (for clerks)	11
8.2	Web Interface (for customers)	11

9 Non-Functional Requirements	12
10 Technical Product Environment	13
10.1 Software	13
10.2 Hardware	13
10.3 Orgware	13
10.4 Interfaces (product)	13
11 Special Requirements for the Development Environment	14
11.1 Software	14
11.2 Hardware	14
11.3 Orgware	14
11.4 Interfaces (development)	14
12 Subproducts and Subsystems	15
12.1 Server	15
12.2 Web Interface / Web Service	15
12.3 Client Application	15
13 Additional Specifications and Stipulations	16
14 Appendices	17
Glossary	18

Document History

Editor(s)	Date	Purpose of Editing	Version
Harnos, Rapp, Schulz	2012-10-01	Initial Document Creation	v0.01

Chapter 1

Product Purpose

To handle the addition of new books and the distribution in a better way, "BookExpress" asked us to develop an IT solution to optimize the idle time and labour usage by getting rid of the current, deprecated system.

The main goal of the software solution is to enable the book stores to directly order books from the system with a very user friendly and intuitive interface, speeding up the book-ordering process. Furthermore there should be remote access implemented, so several customers can access the software at once and distribution partners, the publishers, can access and keep their book stock up to date.

A modern and non obtrusive web interface, with cross-browser support, is to be implemented to realise an improved and faster communication between the customer and "BookExpress".

1.1 Obligatory Requirements (“must have”)

1.1.1 Book Stores

The web interface for **book stores** should have the following features implemented.

- A PIN (Personal Identification Number)

1.2 Optional Requirements (“nice to have”)

1.3 Non-Requirements (“need to have”)

Chapter 2

Product Environment

The Product takes the orders from the book stores and files them into the system, so that they can be prepared for shipping. For different sized book stores there should be several account types with separate functionality and different options for packaging and ordering. The targeting groups of the software solution are the book store owners, our consumers, the assistants of "BookExpress" and the distribution partners.

2.1 Application Area

2.2 User Groups

2.3 Operating Conditions

Chapter 3

Product Overview

The products environmental diagram.

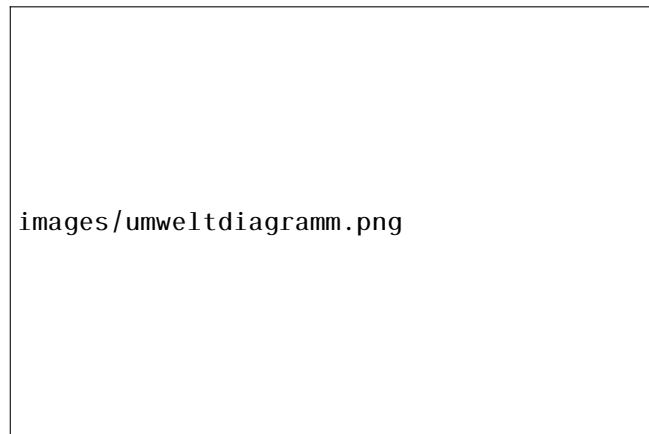


Figure 3.1: The environmental view of the product

Chapter 4

Product Functions

/LF10/ **Process:** search for a book

Actor: customer

Description: If a customer wants to order a book, he first has to search for it. A book c

/LF20/ **Process:** modify order card

Actor: customer

Description: It should be possible to have all items on an order card. A person can add

4.1 Internal

4.1.1 Employees of “BookExpress”

4.2 External

4.2.1 Book Stores (“Clients”)

4.2.2 Publishers

Chapter 5

Product Data

5.1 Customer Data

5.1.1 Book Stores

5.1.2 Publishers

5.2 Order Data

5.3 Internal Data

Chapter 6

Product Performance

Chapter 7

Quality Requirements

Quality	very good	good	normal	irrelevant
Functionality	X			
Reliability	X			
Usability			X	
Efficiency		X		
Modifiability			X	
Portability				X

Chapter 8

User Interface

8.1 Client Application (for clerks)

8.2 Web Interface (for customers)

Chapter 9

Non-Functional Requirements

Chapter 10

Technical Product Environment

10.1 Software

10.2 Hardware

10.3 Orgware

10.4 Interfaces (product)

Chapter 11

Special Requirements for the Development Environment

11.1 Software

11.2 Hardware

11.3 Orgware

11.4 Interfaces (development)

Chapter 12

Subproducts and Subsystems

12.1 Server

12.2 Web Interface / Web Service

12.3 Client Application

Chapter 13

Additional Specifications and Stipulations

Chapter 14

Appendices

Glossary

PIN Personal Identification Number. 4