
Software Requirements Specification

for

Online PC Store

Version 1.0 approved

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Name	Date	Reason to Change	Version
Diaconu George Alexandru	22.03.2017	Initial version	1.0

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1. Introduction

1.1 Purpose

The purpose of this document is to present a description of the Online PC Store application.

This document will explain the features, the interfaces and the general structure of the application

1.2 Product Scope

This software system will be an Online PC Store application. This system will be designed to automate the entire management process.

More specifically, this system is designed to allow a user to create an account, manage it, add products to the shopping cart and send orders. An administrator can add, delete and edit products.

1.3 References

<https://github.com/diaconualexandru/Online-PC-Shop>

2. Overall Description

2.1 Product Perspective

This application is a new, self-contained product which will allow the users purchase PC components online.

2.2 Product Functions

The main functionalities of the applications are:

- REQ-1 Authentication;
- REQ-2 Purchasing products;
- REQ-3 Managing account details;
- REQ-4 Managing products;

2.5 Design and Implementation Constraints

The application will be displayed only in English.

Backend language: C#

Frontend: HTML, CSS, JavaScript

Framework: ASP MVC

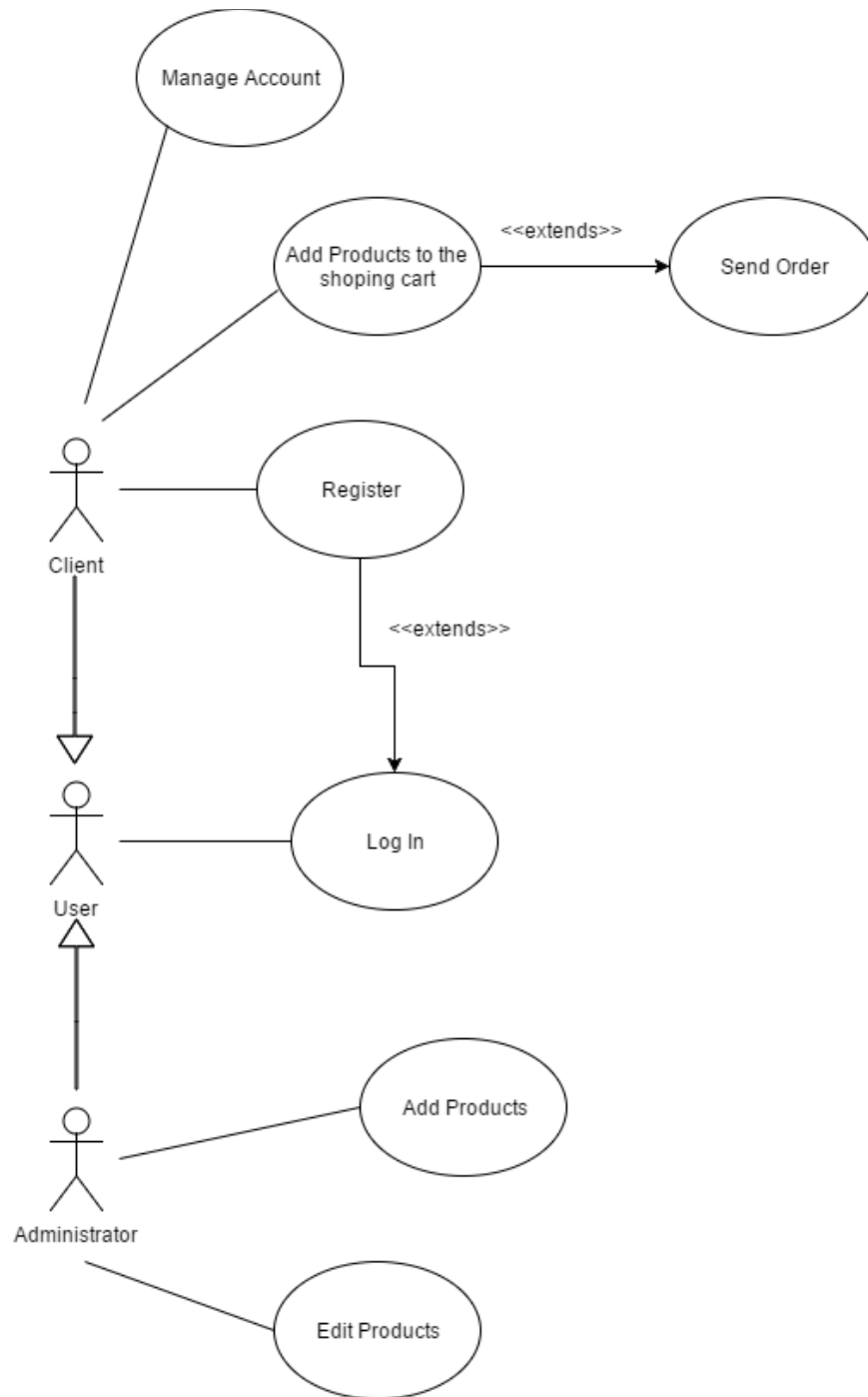
Technology: .NET

2.6 User Documentation

System Requirements Specifications document, System Design Specifications document and testing documents.

3. External Interface Requirements

3.1 User Interfaces



3.2 Hardware Interfaces

Not applicable.

3.3 Software Interfaces

Activity Diagram

The activity diagram could not be inserted because the PDF converter could not convert it properly so I decided to attach it to the SRS as a .png image.

3.4 Communications Interfaces

Transfer protocol used: HTTP.

4. System Features

- **Authentication**

- Log in – A user has to login into the application using an username and password in order to access its services.
- Register – A user has to create an account by imputing his personal data a username and a password.
- Forgot password – An application user can change its password using his e-mail address.

- **Purchasing products**

- Adding products to the cart - Users can browse the application and add various items to the cart.
- Viewing product details – Users can view the product specific deatails.
- Sending order – Users can send orders after adding product to the shopping cart by imputing the address he wants them to arrive to and pay when they arrive.

- **Managing account details**

- Changing personal data – Users can change their personal data such as firstname secondname and phone number.

- **Managing products**

- Adding products – Admins can add products.
- Edit products – Admins can modify the products details, price or numbers in stock.
- Deleting products – Admins can erase products from the site.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

Not applicable.

5.3 Security Requirements

Personal data are private.

5.4 Software Quality Attributes

Rule 1 (required): No reliance shall be placed on undefined or unspecified behavior.

Rule 2 (required): Insert one space between the comment delimiter (//) and the comment text, as shown in the following example.

Rule 3 (advisory): No identifier in one name space should have the same spelling as an identifier in another name space, with the exception of structure member and union member names.

Rule 4 (advisory): Write only one declaration per line.

Rule 5 (advisory): Add at least one blank line between method definitions and property definitions.

Rule 6 (advisory): Place the comment on a separate line, not at the end of a line of code.

Rule 7 (advisory): Use the + operator to concatenate short strings, as shown in the following code.

Rule 8 (advisory): Use meaningful names for query variables.

5.5 Business Rules

Disclaimer

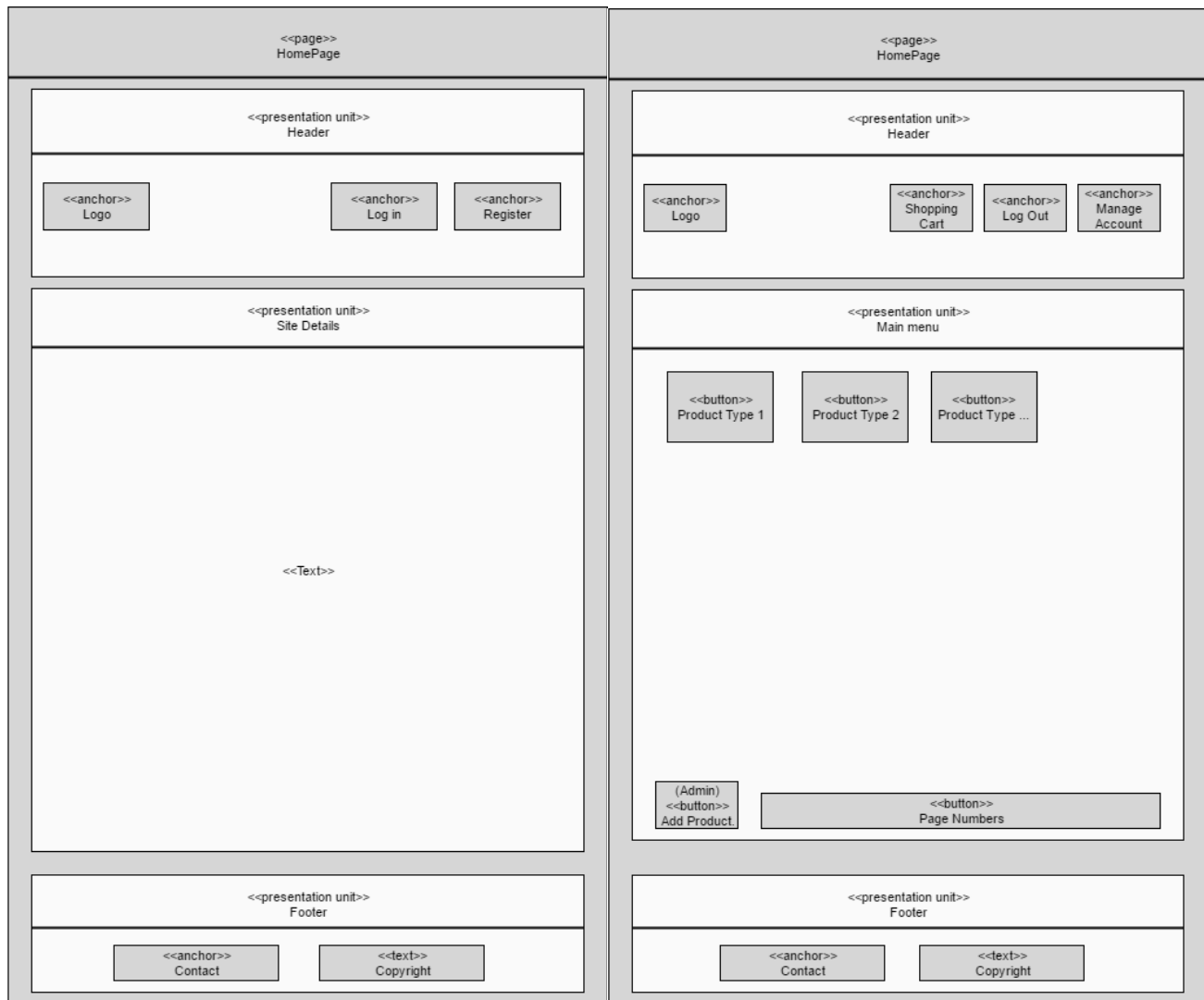
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6. Other Requirements

Appendix A: Glossary

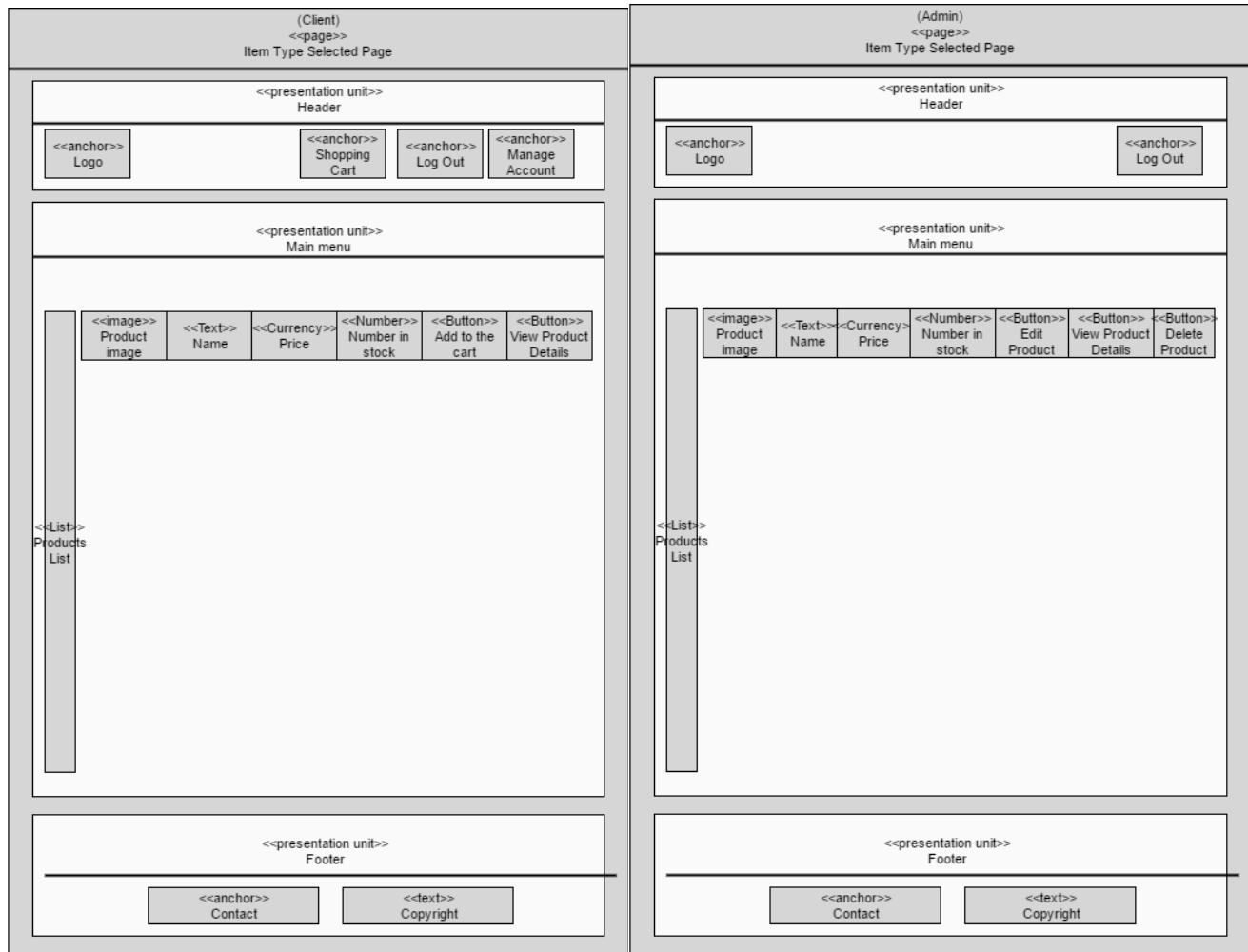
Home Page:



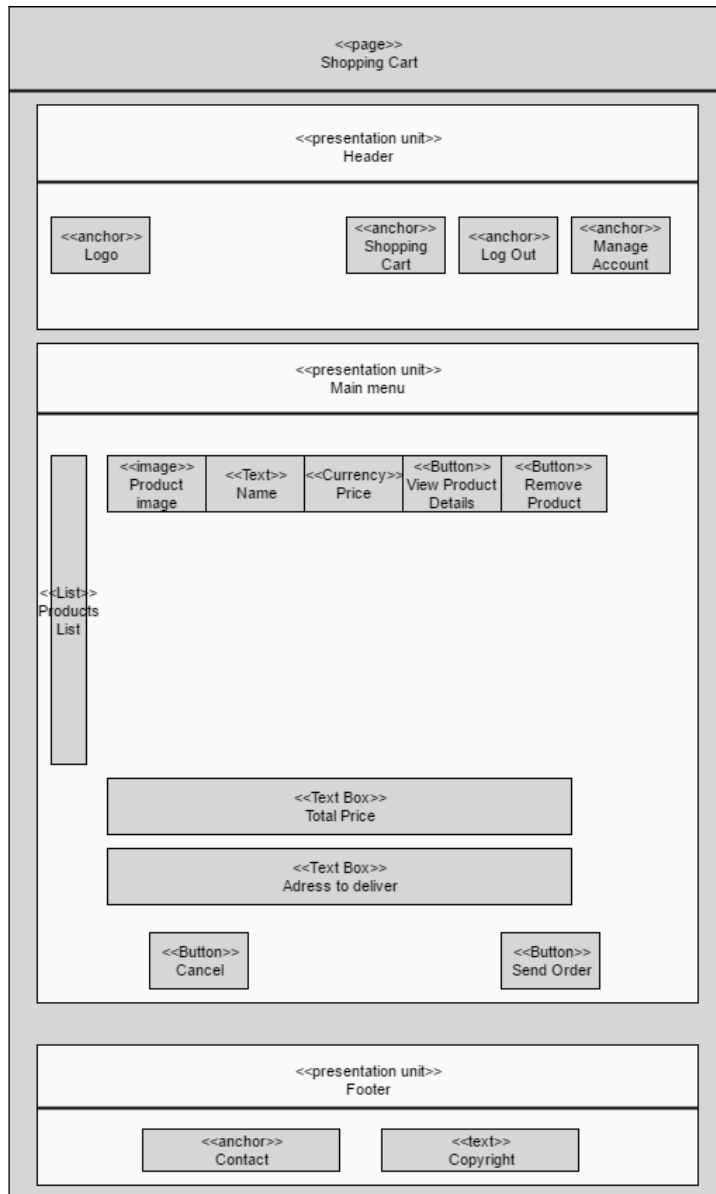
Register Page:

<<page>> Register Page	
<<presentation unit>> Header	
<<anchor>> Logo	
<<form>> Create new account	
<<text box>> First name	
<<text box>> Last name	
<<text box>> Email	
<<text box>> Password	
<<text box>> Confirm Password	
<<Check box>> Agree with Terms and Conditions	
<<button>> Cancel	<<button>> Create account
<<presentation unit>> Footer	
<<anchor>> Contact	<<text>> Copyright

Product Select Page:



Shoping Cart Page:



Product Add/Edit Page:

<<page>>
Add/Edit product Page

<<presentation unit>>
Header

<<anchor>>
Logo

<<button>>
Log out

<<form>>
Add/Edit product

<<text box>>
Name

<<text box>>
Product Type

<<text box>>
Number in stock

<<text box>>
Price

<<button>>
Add/Edit
Description

<<picture list>>
Product pictures

<<button>>
Cancel

<<button>>
Save/Add
Product

<<presentation unit>>
Footer

<<anchor>>
Contact

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