**Online Clothing**

Requirements Specification and Analysis

19.11.2016

Sahra Nur Gürel - 210CS2017

Sedat Aysal -215CS2016

Tahir Tekizbaş -212SE2343D

Prepared for

SE301 Software Engineering



Table of Contents

[1. Introduction 1](#_Toc431983052)

[1.1. Purpose of the System 1](#_Toc431983053)

[1.2. Scope of the System 1](#_Toc431983054)

[1.3. Objectives and Success Criteria of the Project 1](#_Toc431983055)

[1.4. Definitions, Acronyms, and Abbreviations 1](#_Toc431983056)

[1.5. Overview 1](#_Toc431983057)

[2. Current System 1](#_Toc431983058)

[3. Proposed System 1](#_Toc431983059)

[3.1. Overview 1](#_Toc431983060)

[3.2. Functional Requirements 2](#_Toc431983061)

[3.3. Nonfunctional Requirements 2](#_Toc431983062)

[Usability 2](#_Toc431983063)

[Reliability 2](#_Toc431983064)

[Performance 2](#_Toc431983065)

[Supportability 2](#_Toc431983066)

[Implementation 2](#_Toc431983067)

[Interface 2](#_Toc431983068)

[Packaging 2](#_Toc431983069)

[Legal 2](#_Toc431983070)

[3.4. System Models 2](#_Toc431983071)

[Scenarios 2](#_Toc431983072)

[Use case model 2](#_Toc431983073)

[Object model 2](#_Toc431983074)

[Dynamic model 2](#_Toc431983075)

[User interface—navigational paths and screen mock-ups 3](#_Toc431983076)

[4. Glossary 3](#_Toc431983077)

[5. References 3](#_Toc431983078)

REQUIREMENTS ANALYSIS DOCUMENT[1]

# Introduction

Online clothing is a form of [electronic commerce](https://en.wikipedia.org/wiki/Electronic_commerce) which allows consumers to directly buy [goods](https://en.wikipedia.org/wiki/Good_(economics)) or [services](https://en.wikipedia.org/wiki/Service_(economics))from a seller over the [Internet](https://en.wikipedia.org/wiki/Internet) using a [web browser](https://en.wikipedia.org/wiki/Web_browser). Consumers find a product of interest by visiting the [website](https://en.wikipedia.org/wiki/Website) of the retailer directly or by searching among alternative vendors using a [shopping search engine](https://en.wikipedia.org/wiki/Shopping_search_engine), which displays the same product's availability and pricing at different e-retailers. Nowadays customers can shop online using a range of different computers and devices, such as [desktop computers](https://en.wikipedia.org/wiki/Desktop_computer), [laptops](https://en.wikipedia.org/wiki/Laptop), [tablet computers](https://en.wikipedia.org/wiki/Tablet_computer) and [smartphones](https://en.wikipedia.org/wiki/Smartphone).

Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine. Once a particular product has been found on the website of the seller, most online retailers use shopping cart software to allow the consumer to accumulate multiple items and to adjust quantities, like filling a physical shopping cart or basket in a conventional store. A "checkout" process follows (continuing the physical-store analogy) in which payment and delivery information is collected, if necessary. Some stores allow consumers to sign up for a permanent online account so that some or all of this information only needs to be entered once. The consumer often receives an e-mail confirmation once the transaction is complete. Less sophisticated stores may rely on consumers to phone or e-mail their orders (although full credit card numbers, expiry date, and Card Security Code or bank account and routing number should not be accepted by e-mail, for reasons of security).

We just use the paying at the door strategy.

Customers are attracted to online shopping not only because of high levels of convenience, but also because of broader selections, competitive pricing, and greater access to information. Business organizations seek to offer online shopping not only because it is of much lower cost compared to bricks and mortar stores, but also because it offers access to a worldwide market, increases customer value, and builds sustainable capabilities.

## Purpose of the System

The purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and select things he wanna to buy. Through online shopping we can save our money because prices are less than market prices and we receive our bought things at our home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want.

Now days people are too busy to go to market and other reason is traffic problem,parking problem and many more so people like to shop online it's easy to use and can see many variety at a time .

Shortly say that; easy deal, good quality, no botheratiuon...

## Scope of the System

 Online shopping has made shopping painless and added more fun. Online stores offer product description, pictures, comparisons, price and much more.

and the benefits of online shopping is that by having direct access to consumer ,the online stores can offer products that cater to the needs of consumer ,cookies can be used for tracking the customer selection over the internet or what is of their interest when they visit the site again . Online shopping makes use of digital technology for managing the flow of information, products, and payment between consumer, site owners and suppliers.

Shopping cart is one of the important facility provided in online shopping, this lets customer to browse different goods and services and once they select an item to purchase they can place the item in shopping cart, and continue browsing till the final selection. Customers can even remove the items from shopping cart that were selected earlier before they place the final order. It reminds us of shopping basket that we carry in departmental store

## Objectives and Success Criteria of the Project

Our success criterias of the project are,

- using quality image

- easy payment proccess

- fast loading time

- simple,easy to use and quality web design

- detail description about project

## Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| System | System of online clothing web site |
| Database | Storage which stores values of categories, products, order |
| Admin | Manager |
| Product manager | Authorized to deal with products |
| User | Costumer who sing up |
| Visitor | Costumer without sing up |
| Personal information | First name, last name, address, e-mail address, telephone values of user |
| Available product | Product which is ready to sell |
| Stock room | Total product of stock |

How to Login:

The user will enter his/her username and passwor to buy latest product.

there is no need to register for displaying products.

How to be a member of this application:

in this site, the visitor can join this app,if he/she is not a member yet by pressing sign up link.

How to view the mobile details:

any cloth can be searched by selecting the model no,which the user wish to view or buy.

how to give order:

first the user have to sign up and login,then user will visit the view products page.

There he/she select the cloth he/she wans to buy and then he/she click on show products detail.there he/she can give order for that product.

How to pay money:

The user can pay at the door

## Overview

The rest of the RAD is include css structures and php structures.

# Current System

In online clothing web site system such as trendyol some mechanism is so drop behind like stock control.you can not reach a product for several weeks.For example when i want to add product to my shoppingbox there is no more stock for it and they never check and update stock regularly.in our system,we have priority for the control mechanism such as stocks.

Also we design a simple menu for all categories because some online clothing services have complex architecture.This is also priority for us.

# Proposed System

## Overview

This project is the output of our planning,schedule,programming skill and the hard work,and this report reflects our steps taken at various levels of programming skill,planning and schedule.

we are learning a lot during this project and liked the improvement in our testing skills and deep concept related to these kinds of projects.

our project is online clothing system.this is a web based application which helps people to find and buy latest things with different functionalities on internet.

in this application we have basically 4 modules.Admin,user,product manager and visitor.

first module include the user module.

the user have to sign up for any data related to clothes(just for buying)

the visitor module can see the products but also need to sign up for shopping

The admin module contains the acces of admin on the application.

the admin can change primary and improtance activities.He have the ability for update any information about products.

eventually the last module is for product manager it control the biggest part of the system.not only products but also orders and sales.

## Functional Requirements

* Admin must be able to display total gain.
* Admin must be able to display sold product
* Admin must be able to display stock room
* Admin must be able to add, update, delete managers
* Product manager must be able to add, update, delete products
* Product manager must be able to search product
* Product manage must be able to analyze stock room
* Product manager must be able to check available products
* Product manager must be able to check delivered orders
* User must be able to search product
* User must be able to give order and show his / her order before
* User must be able to update personal information
* User must be able to display shopping box

## Nonfunctional Requirements

### **Usability :**

* The system should be easy to use. Any user who know how to give order to e-commerce website, must be able to use easily.
* Visitors who visit web site without sign up must be able to display, search products.

### **Reliability :**

### **Performance :**

* Selecting a product and giving an order is have the same fast performance.

### **Supportability :**

* Admin must be able to insert manager with enter managers’ user name, password and their manager type.
* Product manager must be able to insert product with enter product ID, product name, product category, product price and product image.
* Product manager must be able to insert category with enter category id, category name, category URL and category image.

### **Implementation :**

* This website will be implemented with PHP. And MYSQL database will be used.

### **Interface :**

### **Packaging :**

***Legal :***

## System Models

### **SCENARIOS :**

**Scenario name** AdminPanelControl

**Participatingactorinstaces**Mr. Boss : Admin , Jonathan : Product Manager 1

John : Product Manager 2 , Bob : User

**Flow of events**

1. Mr. Bosslogs in todeletetheoldmanagerandtoadd a newmanager.

Mr. Boss is directedtoadmin panel.Jonathanwantstoleavethejob. Mr. Bossclicksthesearch bar, andwritesthemanager name andclicksthe “search” button.Thisinformation is checkedbythedatabase.Informations of Jonathanaredisplayed on theAdmin panel. Mr. BossselectstheJonathanandclicks “delete” button.Jonathan is deletedfromdatabase.Mr. Bossclicks “addmanager” button. He entersinformations of newmanager.Thenewmanager is John. John is added on database.

1. Mr. BossdeleteBobbecausewantstodelete hisregister .Mr. Bossclicksthesearch bar, andwritestheuser name andclicksthe “search” button. Thisinformation is checkedbythedatabase. Informations of Bobaredisplayed on theAdmin panel.Mr. BossselectsBobandclicks “delete” button. Bob is deletedfromdatabase.
2. Mr. Bosswantstocheckstock. He clicks “StockRoom” button. Thisinformation is checkedbythedatabase. Informations of stocksaredisplayed on theAdmin paneland he check it. AndthenMr. Bosswantstolook total gainandsoldproduct. Informations of theseare at the top of theadmin panel.
3. Mr. Bosslogsoutafterallprocessesarefinished.

**Scenario name** ManagelPanelControl

**Participating actor instaces** John : Product Manager

**Flow of events**

1. John logs in to adds products, deletes products, updates products, adds category, deletes category, updates category checks available products , checks sending orders and checks delivered orders.
2. John is directed to admin panel. John wants to add new incoming products. John clicks the “addProduct” button. John is directed to addProduct page. John selects product category woman or man. And then enters product code, product name, product price, product description, amount of product and upload product image. After John clicks on the “Add” button. This information is stored in the database for this new products.
3. John wants to add new incoming products. John clicks the search bar, and writes the product name or code of the product which he/she want to search the “search” button. This information is checked by the database. Informations of product are displayed on the Product Manager panel. John clicks the “delete” button for selected products. Products to be deleted are deleted in the database. He can update products and he selects products to be updated. Informations from the database are displayed on manager panel. John changes some information for the product. John clicks the “update” button. These informations are updated onthe database .
4. John wants to a new category. John clicks on the “Add Category” button. New category page is opened. Then subcategories are added by John. John clicks on the “Save” button. A new category is created in the database such as the men and women category. He wants to delete the category which the products in that category will not be sold. John clicks on the “Categories” button. John is directed to categories page. John selects the cateory and clicks on the “delete” button. Selected category is deleted from database. He can update the category. John clicks on the “Categories” button. John is directed to categories page. John selects the cateory and clicks on the “update” button. He make change. Selected category is updated on database.
5. John want to check product availability. John clicks the search bar, and writes the product name or code of the product which he/she want to search ,clicks the “search” button. This information is checked by the database. Informations of product are displayed on the Product Manager panel. John checks the stock status. He want to check sending orders. John clicks “check order” button. This information is checked by the database. Informations of all product are displayed on the Product Manager panel. John check all orders. Lastly he can check delivered orders. John clicks “delivered order” button. This information is checked by the database. Informations of all product are displayed on the Product Manager panel. John check all delivered orders.
6. If John enters wrong username or password for login. The system shows an alert message. John clicks “forget password” link. John is directed contact us page. John sends password change request.The forgotten password will be sent to the email address of the John.
7. John logs out after all processes are finished.

**Scenario name** LoginForBuying

**Participatingactorinstaces**Bob: User

**Flow of events**

1. Boblooksforclothesforhimselfand his girlfriendafter he logs in. He looksseperatesectionsforwomenand men. He addsselectedproductstoShopping Box for his girlfriend.Bobclicks on the “Add” buttonnexttotheselectedproducts. Selectedproducts is addedtoshoppingBoxtablebydatabase.
2. Bobwantstolooknewproduct. He clicksthe “New Products” buttonforthis. He selectstheproducts. Theseinformationsarecheckedbythedatabase. He likesand he addsselectedproductstoShopping Box forhimself.Selectedproductsaresaved on databaseforBob.
3. Bobclicksthe “DisplayShopping Box” toseeselectedproducts.Bobclicks “shoppingBox” button.Selectedproductsaredisplayed on shoppingBoxtablebydatabase. He checksanddeletesunwantedproductsfromtheShopping Box.Bobclicks “Delete” button.SelectedproductsarefromdatabaseforBob.
4. Bobcheck his address in personalinformationforproducts do not gotowrongaddress.Bobgivesorderafter he updates his informations. He clicks “GiveOrder” button. After he givesorder , he can check his ordershistorybyclickingthe “My OrderHistory”.Thisinformationcomesfromdatabase.
5. IfBobenterswrongusernameorpasswordforlogin. Thesystemshows an alertmessage. John clicks “forgetpassword” link. Bob is directedcontact us page. Bobsendspasswordchangerequest. Theforgottenpasswordwill be sent totheemailaddress of theBob.
6. Boblogsoutafterallprocessesarefinished.

**Scenario name** signupForBuying

**Participatingactorinstaces**Bob: Visitor

**Flow of events**

1. Bobwantsto buy clothesforhimselfand his girlfriend. He has not much time togototheshoppingcenter, so he decidestoonlineshopping.
2. Bobenters a onlineclothing web site. Andthen he enters “SignUp” button.
3. Bobenters his personalinformations in openedwhichwindowuser name, name, surname, addressandetc.Informatons of Bobaresaved in database.
4. He clicks on the “Register” button.Bobdirectsto “Log in” page.

**Usecasename** : Login

**Participatingactor**: Admin

**Flow of Events** :

1. Adminconnetsthe web site
2. Adminenters User name andpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtouser panel

**EntryCondition:** Adminconnetsthe web site

**ExitCondition:** Adminsuccessfullylogs in.

**QualityRequirements :** None

**Usecasename** : addManager

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. Adminenters User name andpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtoadmin panel
5. Adminclicksthe “add” button.
6. Adminentersinformations of newmanager.
7. New manager is added on database.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullyaddsmanager.

**QualityRequirements :** None

**Usecasename** : deleteManager

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. Adminenters User name andpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtoadmin panel.
5. Adminclicksthesearch bar, andwritesthemanager name andclicksthe “search” button.
6. Thisinformation is checkedbythedatabase.
7. Informations of manageraredisplayed on theAdmin panel.
8. Adminselectsthemanagerandclicks“delete” button.
9. Manager is deletedfromdatabase.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullydeletesmanager.

**QualityRequirements :** None

**Usecasename** : findUser

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtomanager panel
5. Adminclicksthesearch bar, andwritestheuser name andclicksthe “search” button.
6. Thisinformation is checkedbythedatabase.
7. Informations of useraredisplayed on theAdmin panel.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullysearches.

**QualityRequirements :** None

**Usecasename** : deleteUser

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtomanager panel
5. Adminclicksthesearch bar, andwritestheuser name andclicksthe “search” button.
6. Thisinformation is checkedbythedatabase.
7. Informations of useraredisplayed on theAdmin panel.
8. Adminselectstheuserandclicks on thecheckboxnexttheusername.
9. Adminclicksthe “delete” button.
10. User is deletedfromdatabase.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullydeletesuser

**QualityRequirements :** None

**Usecasename** : analyzeStockRoom

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtoadmin panel.
5. Informations of allproductaredisplayed on the main page of Admin.
6. Adminanalyzesallproducts.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullyanalyzesstockroom.

**QualityRequirements :** None

**Usecasename** : displayTotalGain

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtoadmin panel.
5. Total gainsaredisplayed on the main page of Admin.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullydisplays total gain.

**QualityRequirements :** None

**Usecasename** : displaySoldProduct

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database
4. Admin is directedtoadmin panel.
5. Soldproductaredisplayed on the main page of Admin.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullydisplayssoldproducts.

**QualityRequirements :** None

**Usecasename** : Logout

**Participatingactor:** Admin

**Flow of Events:**

1. Adminconnetsthe web site
2. AdminentersUser nameandpassword,thenAdminclicks “Login” button.
3. Informations of Adminarechecked on database.
4. Admin is directedtomanager panel.
5. Adminclicks “Logout” button.

**EntryConditions:**Adminlogs in the web site.

**ExitConditions::**Adminsuccessfullylogsout.

**QualityRequirements :** None

**Use case name** : Login

**Participating actor**: Product Manager

**Flow of Events** :

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database
4. Product Manager is directed to manager panel

**Entry Condition:** Product Manager connets the web site

**Exit Condition:** Product Manager successfully logs in.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : ChangePassword

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks “change password” link.
6. Product Manager is directed to contact us page.
7. Product Manager send password change request.

**Entry Conditions:**Product Manager logs in the web site.

**Exit Conditions:**Product Manager successfully changes password.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : deleteProduct

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks the search bar, and writes the product name or code of the product which he/she want to search the “search” button.
6. This information is checked by the database
7. Informations of product are displayed on the Product Manager panel.
8. Product Manager clicks the “delete” button for selected products.
9. Products to be deleted are deleted in the database.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully deletes product.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : addCategory

**Participating actor**: Product Manager

**Flow of Events** :

1. Product Manager connets the web site .
2. Product Manager enters user name and password,thenProduct Manager clicks “Login” button.
3. Informations of Product Manager are checked on database.
4. Product Manager is directed to manager panel
5. Product Manager clicks on the “Add Category” button.
6. New category page is opened.
7. Then subcategories are added by Product Manager.
8. Product Manager clicks on the “Save” button.
9. A new category is created in the database such as the men and women category.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfully adds product to shopping box.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : deleteCategory

**Participating actor**: Product Manager

**Flow of Events** :

1. Product Manager connets the web site .
2. Product Manager enters user name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database.
4. Product Manager is directed to manager panel
5. Product Manager clicks on the “Categories” button.
6. Product Manager is directed to categories page.
7. Product Manager selects the cateory and clicks on the “delete” button.
8. Selected category is deleted from database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfully adds product to shopping box.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : updateCategory

**Participating actor**: Product Manager

**Flow of Events** :

1. Product Manager connets the web site .
2. Product Manager enters user name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database.
4. Product Manager is directed to manager panel
5. Product Manager clicks on the “Categories” button.
6. Product Manager is directed to categories page.
7. Product Manager selects category clicks on the “update” button.
8. Category page is opened for update
9. Selected category is updatedby manager and clicks the “Save” button.
10. Selected category is updated on database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfully adds product to shopping box.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : addProduct

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks the “addProduct” button.
6. Product Manager is directed to addProduct page.
7. Product Manager selects product category woman or man.
8. And then enters product code, product name, product price, product description, amount of product and upload product image.
9. After Product Manager clicks on the “Add” button.
10. This information is stored in the database for this new product.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully adds product.

**Quality Requirements:** If Product Manager enters wrong username or password for login. The system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : searchProduct

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks the search bar, and writes the product name or code of the product which he/she want to search the “search” button.
6. This information is checked by the database
7. Informations of product are displayed on the Product Manager panel.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully searches.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message.Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : updateProduct

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of Product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager selects products to be updated
6. Informations from the database are displayed on manager panel.
7. Product Manager changes some information for the product
8. Product Manager clicks the “update” button.
9. These informations are updated onthe database .

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully updates product.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : checkAvailableProduct

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks the search bar, and writes the product name or code of the product which he/she want to search , clicksthe “search” button.
6. This information is checked by the database
7. Informations of product are displayed on the Product Manager panel.
8. Product Manager checks the stock status.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully checks available products.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : checkSendingOrders

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks “check order” button.
6. This information is checked by the database
7. Informations of all product are displayed on the Product Manager panel.
8. Product Manager check all orders.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully checks sending orders.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : checkDeliveredOrders

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of product Manager are checked on database
4. Product Manager is directed to manager panel
5. Product Manager clicks “delivered order” button.
6. This information is checked by the database
7. Informations of all product are displayed on the Product Manager panel.
8. Product Manager check all delivered orders

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully chechs delivered orders.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : Logout

**Participating actor:** Product Manager

**Flow of Events:**

1. Product Manager connets the web site
2. Product Manager enters User name and password,then Product Manager clicks “Login” button.
3. Informations of product Manager are checked on database
4. Product Manager is directed to manager panel.
5. Product Manager clicks “Logout” button.

**Entry Conditions:** Product Manager logs in the web site.

**Exit Conditions::** Product Manager successfully logs out.

**Quality Requirements:**If Product Manager enters wrong password for login. If there is not this product in database , it is not displayed on the Product Manager panel so, the system shows an alert message. Product Manager clicks “forget password” link. Product Manager is directed contact us page. Product Manager send password change request.The forgotten password will be sent to the email address of the manager.

**Use case name** : Login

**Participating actor**: User

**Flow of Events** :

1. User connets the web site.
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database
4. User is directed to user panel.

**Entry Condition:** User connets the web site.

**Exit Condition:** User successfully logs in.

**Quality Requirements:** If User enters wrong username or password for login. The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : SignUp

**Participating actor**: User

**Flow of Events** :

1. User connets the web site.
2. User is directed to user panel , and clicks “Sign Up” button.
3. User enters his/her information which user name, name, surname, address, phone number, e-mail, password.
4. User clicks on the “Register” button.
5. These informations are added on database.

**Entry Condition:** User connets the web.

**Exit Condition:** User successfullysigns up.

**Quality Requirements:** If User does not connet the web site.

**Use case name** : ChangePassword

**Participating actor:** User

**Flow of Events:**

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database
4. User is directed to User panel
5. User clicks “change password” link.
6. User is directed to contact us page.
7. User send password change request.

**Entry Conditions:**User logs in the web site.

**Exit Conditions:**User successfully changes password.

**Quality Requirements:** If the User enters less than 6 characters for password, the system gives alert message.

**Use case name**: Search

**Participating actor:** User

**Flow of Events:**

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database
4. User is directed to User panel.
5. User clicks the search bar, and writes the product name or code of the product which he/she want to search and clicks the “search” button.
6. These informations are checked by the database.
7. Informations of product are displayed on the user panel.
8. User clicks on the “highest price” button.
9. These informations are checked by the database.
10. They are displayed on the user panel, they are sorted by highest price from database.
11. User clicks on the “lowest price” button.
12. These informations are checked by the database.
13. They are displayed on the user panel, they are sorted by are sorted by lowest price from database.
14. User clicks on the “new products” button.
15. These informations are checked by the database.
16. They are displayed on the user panel, they are sorted by the latest addition from database.
17. User clicks on the “best sellers” button.
18. These informations are checked by the database.
19. They are displayed on the user panel, they are sorted by best sellers from database.

**Entry Conditions:** User logs in the web site.

**Exit Conditions::** User successfully searches.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name**: displayAllProduct

**Participating actor:** User

**Flow of Events:**

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database
4. User is directed to User panel
5. User clicks on the “Men” button.
6. These informations are checked by the database.
7. They are displayed on the user panel, they are sorted by male gender from the database.
8. User clicks on the “Women” button.
9. These informations are checked by the database.
10. They are displayed on the user panel, they are sorted by female gender from the database.

**Entry Conditions:** User logs in the web site.

**Exit Conditions::** User successfully displays all products.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : addProductToShoppingBox

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel
5. Userclicks on the “Add” button next to the selected products
6. Selected products is added to shoppingBox table by database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfullyadds product to shopping box.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : displayShoppingBox

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel
5. User clicks “shoppingBox” button.
6. Selected products are displayed on shoppingBox table by database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfullydisplays shopping box.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : deleteProductFromShoppingBox

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel
5. User clicks “shoppingBox” button.
6. User selects any product to delete
7. User clicks “Delete” button.
8. Selected products to delete is deleted from shoppingBox table by database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfully deletes product from shopping box.

**Quality Requirements:**If User enters wrong username or password for login or there are no any product in shopping box.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : giveOrder

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel.
5. User selects any product and clicks on the checkbox below the Picture.
6. User clicks on the “Add” button.
7. Selected products is added to shoppingBox table by database.
8. User clicks “shoppingBox” button.
9. Selected products are displayed on shoppingBox table by database.
10. User clicks the “give order” button.
11. Products are reserved from the database for the ordered products.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfullygives order.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : displayMyOrderHistory

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel.
5. User selects any product and clicks.
6. Userclicks on the “Add” button next to the selected products
7. Selected products is added to shoppingBox table by database.
8. User clicks “shoppingBox” button.
9. Selected products are displayed on shoppingBox table by database.
10. User clicks the “give order” button.
11. Products are reserved from the database for the ordered products.
12. User clicks the “my order” button.
13. Given orders are displayed by the database.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfully displays my order history.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : updatePersonalInformation

**Participating actor**: User

**Flow of Events** :

1. User connets the web site .
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to user panel.
5. User clicks on the “Personal Information” button.
6. Informations of User are checked on database.
7. These are displayed on user panel.
8. If user wants to change his/her iformation, user can update.
9. After user updates , user clicks the “save” button.

**Entry Condition:** User connets the web site and clicks

**Exit Condition:** User successfullyupdates personal information.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Use case name** : Logout

**Participating actor:** User

**Flow of Events:**

1. User connets the web site
2. User enters User name and password,then User clicks “Login” button.
3. Informations of User are checked on database.
4. User is directed to manager panel.
5. User clicks “Logout” button.
6. If User enters wrong username or password for login.

**Entry Conditions:**User logs in the web site.

**Exit Conditions::**User successfully logs out.

**Quality Requirements:**If User enters wrong username or password for login.The system shows an alert message. User clicks “forget password” link. User is directed contact us page. User send password change request.The forgotten password will be sent to the email address of the user.

**Usecase name**: Search

**Participatingactor:** Visitor

**Flow of Events:**

1. Visitorconnetsthe web site
2. Visitorclicksthesearch bar, andwritestheproduct name orcode of theproductwhich he/shewanttosearchandclicksthe “search” button.
3. Theseinformationsarecheckedbythedatabase.
4. Informations of productaredisplayed on theVisitor panel.
5. Visitorclicks on the “highestprice” button.
6. Theseinformationsarecheckedbythedatabase.
7. Theyaredisplayed on theVisitor panel, theyaresortedbyhighestpricefromdatabase.
8. Visitorclicks on the “lowestprice” button.
9. Theseinformationsarecheckedbythedatabase.
10. Theyaredisplayed on theVisitor panel, theyaresortedbyaresortedbylowestpricefromdatabase.
11. Visitorclicks on the “newproducts” button.
12. Theseinformationsarecheckedbythedatabase.
13. Theyaredisplayed on theVisitor panel, theyaresortedbythelatestadditionfromdatabase.
14. Visitorclicks on the “bestsellers” button.
15. Theseinformationsarecheckedbythedatabase.
16. Theyaredisplayed on theVisitor panel, theyaresortedbybestsellersfromdatabase.

**EntryConditions:**Visitorlogs in the web site.

**ExitConditions::**Visitorsuccessfullysearches.

**QualityRequirements**: IfVisitordoes not connectthe web site.

**Usecase name**: displayAllProduct

**Participatingactor:** Visitor

**Flow of Events:**

1. Visitorconnetsthe web site
2. Visitorclicks on the “Men” button.
3. Theseinformationsarecheckedbythedatabase.
4. Theyaredisplayed on theVisitor panel, theyaresortedbymalegenderfromthedatabase.
5. Visitorclicks on the “Women” button.
6. Theseinformationsarecheckedbythedatabase.
7. Theyaredisplayed on theVisitor panel, theyaresortedbyfemalegenderfromthedatabase.

**EntryConditions:**Visitorlogs in the web site.

**ExitConditions::**Visitorsuccessfullydisplays.

**QualityRequirements**: IfVisitordoes not connectthe web site.

**Usecasename** : SignUp

**Participatingactor**: Visitor

**Flow of Events** :

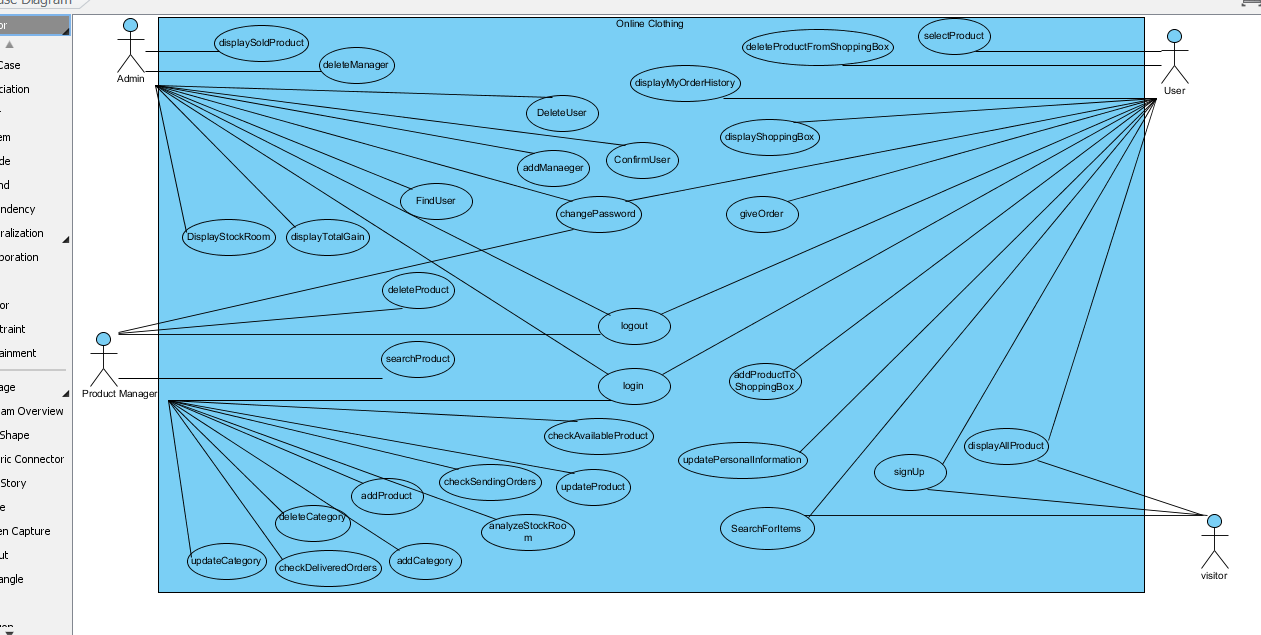
1. Visitorconnetsthe web site.
2. Visitor is directedtouserpanel , andclicks “SignUp” button.
3. Visitorenters his/her informationwhichuser name, name, surname, address, phonenumber, e-mail, password.
4. Visitorclicks on the “Register” button.
5. Theseinformationsareadded on database

**EntryCondition:** Visitorconnetstheweb.

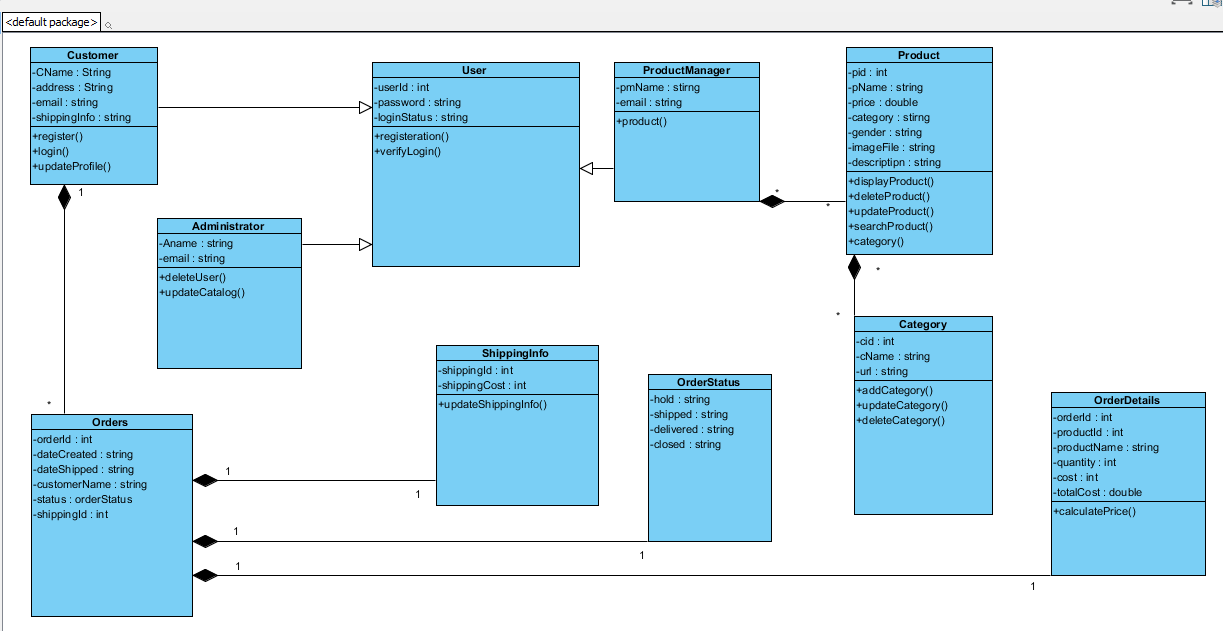
**ExitCondition:** Visitorsuccessfullysignsup.

**QualityRequirements**: IfVisitordoes not connectthe web site.

**USECASE MODEL OF ONLINE CLOTHING :**



**OBJECT MODEL :**



# Glossary

**Admin:** controls the online clothing system.And display all events of the system.if there is anormal situation,admin can change it.

**Product Manager:** manage the sytem transactions.product manager have the control mechanism for products,categories,orders and stockroom.

**User:** The active actor of the system.User can do registration activities(e.g. login,signup,logout) and also be relevant with products and orders.User can interfere his/her own shoppingbox.

**Visitor:** this is an extraneous actor for the online clothing system.Visitor can only sign up for the system and display products that have the system mechanism.

**displaySoldProduct:**giving information about products that are sold.

**deleteManager:**it helps for clearing the manager of from the system.

**deleteUser:**it helps for clearing the user of from the system.

**confirmUser:**it helps when the user sign up the system,this can help to accept the user can reach to the system.

**addManager:** it helps for adding new manager to the system.

**findUser:** it helps for finding specific user and his/her infos on the system

**deleteProduct:** it helps for remove if there is wrong or unneccessary product on the system.

**searchProduct:** it helps for reach a specific product on the system.

**changePassword:**it helps to change user's , product manager's and Admin's password

**checkAvailableProduct:**it helps to see how many products ready to sell

**updateProduct:**it helps to control product details(e.g. price,info)

**checkSendingOrders:** it helps to control the users' orders if they sending or waiting

**analyzedStockRoom:** it helps to control how many products do the system have and need

**addProduct:** it helps the add new products to system if there is decreation on the products.

**addCategory:**it helps the add new part to the system for products

**deleteCategory:** it helps the delete the part of the system for products

**checkDeliveredOrders:**it helps to control the users' orders if they sended or not reach the user.

**updateCategory:**it helps to control category details(e.g. changing category info,name etc.)

**selectProduct**:it helps to select the product from all products list.

**deleteProductFromShoppingBox:** it helps to remove the product from your own system(e.g shopping box)

**displayMyOrderHistory:**it helps to see all the latest orders for user

**displayShoppingBox:** it helps to see all the products in the shoppingbox for user

**giveOrder:** it helps to complete shopping for user.

**addProductToShoppingBox:**it helps the add the products that user select to the shopping box

**updatePersonalInformation:** it helps to change personal info if user needs.

**searchForItems**:it helps to find the product and get specific items' information for user.

**displayAllProducts:**giving information about the products that are on the online clothing system

# References

1. Bruegge B. &DutoitA.H.. (2010). *Object-Oriented Software EngineeringUsing UML, Patterns, and Java*, Prentice Hall, 3rded.
2. https://en.wikipedia.org/w/index.php?title=Unified\_Modeling\_Language&oldid=413683022
3. Grady Booch, Ivar Jacobson & Jim Rumbaugh (2000) [OMG Unified Modeling Language Specification](http://www.omg.org/docs/formal/00-03-01.pdf), Version 1.3 First Edition: March 2000. Retrieved 12 August 2008.
4. Satish Mishra (1997). ["Visual Modeling & Unified Modeling Language (UML) : Introduction to UML"](http://www2.informatik.hu-berlin.de/~hs/Lehre/2004-WS_SWQS/20050107_Ex_UML.ppt). Rational Software Corporation. Accessed 9 Nov 2008.
5. OMG (2011). [OMG Unified Modeling Language (OMG UML), Superstructure, V2.4.1](http://www.omg.org/spec/UML/2.4.1/Superstructure/PDF/), p. 507.
6. OMG (2008). [OMG Unified Modeling Language (OMG UML), Superstructure, V2.1.2](http://www.omg.org/spec/UML/2.1.2/Superstructure/PDF), p. 485.
7. OMG (2008). [OMG Unified Modeling Language (OMG UML), Superstructure, V2.1.2](http://www.omg.org/spec/UML/2.1.2/Superstructure/PDF). p. 467.
8. www.w3schools.com