

Toymania

System Requirement specification

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Introduction

Purpose of this document

The purpose of this document is to give a comprehensive overview of the requirements of the webshop that is to be created within the context of Project C.

Scope of this document

The system is a toys webshop where by there is an administrator and a customer login, the administrator have the ability to add/delete/update a product/customer account. The customer has the ability to update his/her balance, to purchase a product and to add a product to his/her wish list or cart and to view his/her view history. The webshop have a search engine which filters gives the customers and the administrators the ability to filter the product by category and price.

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We will only be creating the software needed for the system and not the hardware.

Project approach

The work for this project shall be conducted in the fashion of SCRUM, an Agile-development method. The reason this method shall be used is that flexibility is imperative as new methods and ways of developing will be studied during the project.

References

If needed, we will use the IEEE referencing method.

Version control

Version	Status	Date	Author	Remarks
0.1	Draft	23.09.2018	Toymania	
1.0	Final	03-11-2018	Toymania	

Target audience

This document is written for the tutors and teachers connected to the courses Project C and Analyse 5.

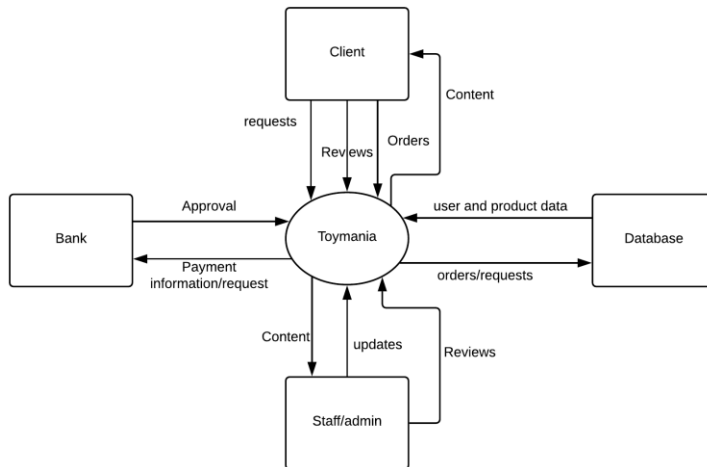
Testing:

Testing will be done using the ISO 10008:2013 as guideline for the webshop. Testing will include such principles as responsiveness, consent, fairness, accountability, privacy, security and legality. For a full view of testing criteria, we refer to the website of the ISO organization¹.

¹ <https://www.iso.org/standard/54081.html>

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Context diagram:



Summary actors

Actor	Description
visitor	The customer without an account is only able to view and buy products.
Registered user	The customer with an account have the ability to view, add to cart/wishlist and buy products, the customer with an account is also able to view his purchase history.
Administrator	The administrator account has the ability to view, add, delete and update products/customer accounts.
Server	The server is needed to keep the webshop up and running. It sends and receives request and handles the database.
Expedition Service	The expedition service receive an automated message whenever a customer purchase a product with his information and the product/order description. They will take the product and deliver it to the delivery service which is an external to the webshop actor.

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Summary use cases

<Give a summary of the use cases including description, weight and priority.>

Use case name	Description	Importance	Priority
View product	The user can view a product.	3	3
Search product	The user can search a product.	2	1
Save product	The user can save a product into the wishlist.	1	1
Place order	The user can order the products in the user's cart.	2	2
payment	The user gets a payment option after ordering.	3	3
View order status and history	The user can view his order status and history.	2	2
Register account	An unregistered user can register.	3	3
Validate login	The system validates the registration.	3	3
Login	The user is able to log into his account.	3	3
List favorite products	The user is able to view his wishlist	2	2
Change account information	The user can change his/her account information	1	1
Create, delete and modify account	The admin is able to create, delete and modify user accounts	2	2
Create, delete and modify product	The admin is able to create, delete and modify products	2	2

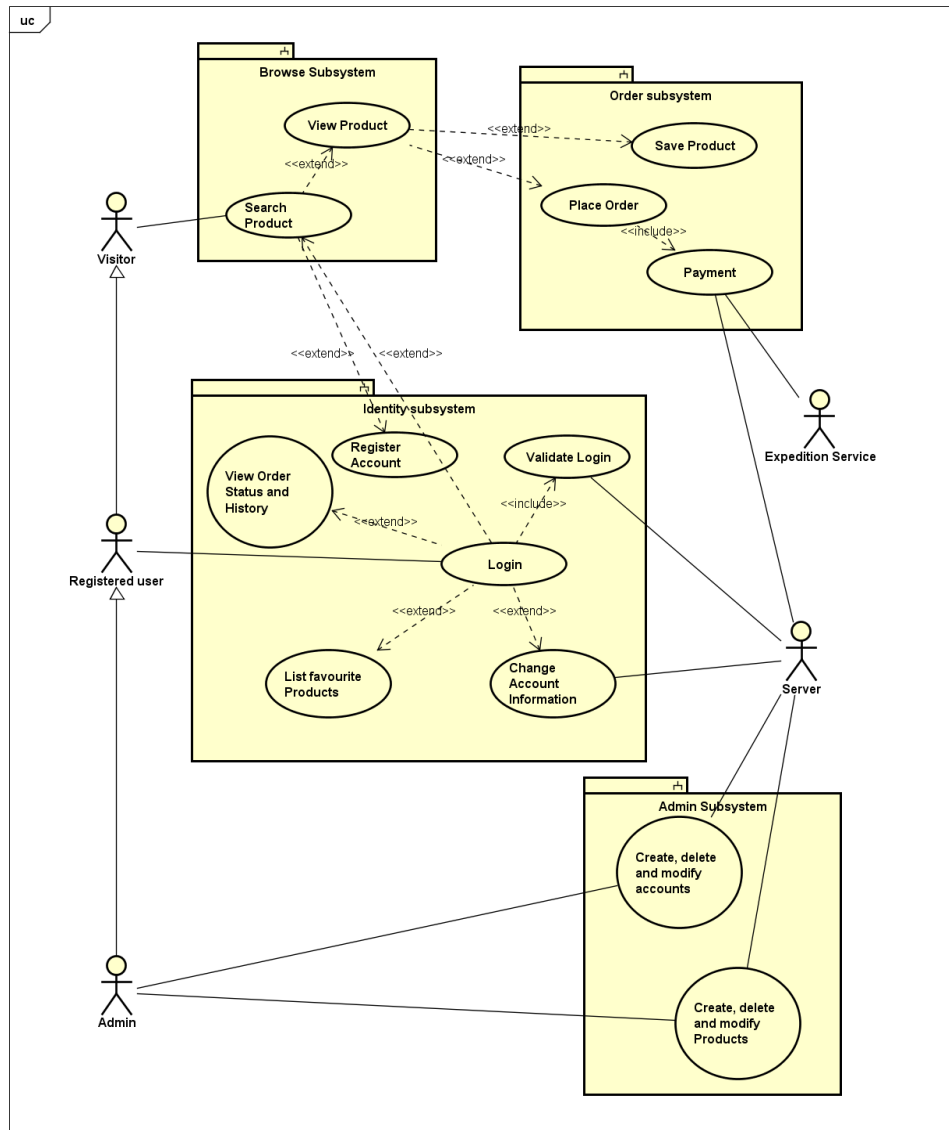
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Use case diagram



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Description use cases

Use case <register account>

ITEM	VALUE
UseCase	Register Account
Summary	the actor makes an account
Actor	
Precondition	the actor is not logged in
Postcondition	the actor created an account
Base Sequence	<ul style="list-style-type: none"> - the usecase starts when pressed on the button register - the actor puts in a emailadress - the actor put in a password and again to confirm it - the actor has to verify his emailadress - the system creates an account
Branch Sequence	<ul style="list-style-type: none"> - the actor has an account and want to login - the actor want to create an account
Exception Sequence	<ul style="list-style-type: none"> - the actor puts in a wrong emailadres - the password doesn't match - there is already an account with the same emailadress

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Use case <search product>

ITEM	VALUE
UseCase	Search Product
Summary	- the actor searches for products
Actor	Visitor
Precondition	- the actor must type 1 letter
Postcondition	- the actor found his products through the search engine
Base Sequence	- the actor puts at least 1 letter in the search engine - the webshop shows a list of products from all the matches that has been found - the actor select one of the matches from the search engine
Branch Sequence	- the actor wants to find a product by looking for the categorie - the actor wants to find a product by filtering the results
Exception Sequence	- the system doesn't found any matches from the input

Requirements

See appendix IV product backlog

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