



Report

Project Course In Computer Science *- Team 3 first Seminar*



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Contents

1	Introduction	1
2	Products And Categories	1
3	Website Design Sketch	2
3.1	Regular View	2
3.2	Administrator view	6
4	Analysis	10
4.1	General requirements	10
4.2	Customer requirements	10
4.3	Administrator requirements	11
4.4	UML Design	11

1 Introduction

Second week's to-do list was to update the first weeks website design and to update the document with functionality/analysis for the webshop.

2 Products And Categories

We have to main category that is "Computers and misc" where we are going to sell some pre built computers and laptops, some monitors and also hardware/software so our categories on the page will be the following:

- Monitors
 - less than 24"
 - 24-27"
 - larger than 27"
- Computers
 - Asus
 - MSI
 - etc.
- Laptops
 - Asus
 - MSI
 - etc.
- Computer Components
 - Graphics cards
 - Hard drives
 - SSD
 - Mechanical
 - Processors
 - etc.
- Software
 - Windows
 - Anti-virus
 - Adobe
- Accessories
 - Keyboards
 - Mice
 - Headphones
 - etc.

3 Website Design Sketch

The website will be similar to most of the web shops. Having a search bar, products/categories list, add to cart button, checking every product, adding to cart and administrator login button.

Administrator view will have extra buttons on all of the same pages and some of the bars changed to edit (instead of add to cart).

3.1 Regular View

Figure 3.1: Homepage

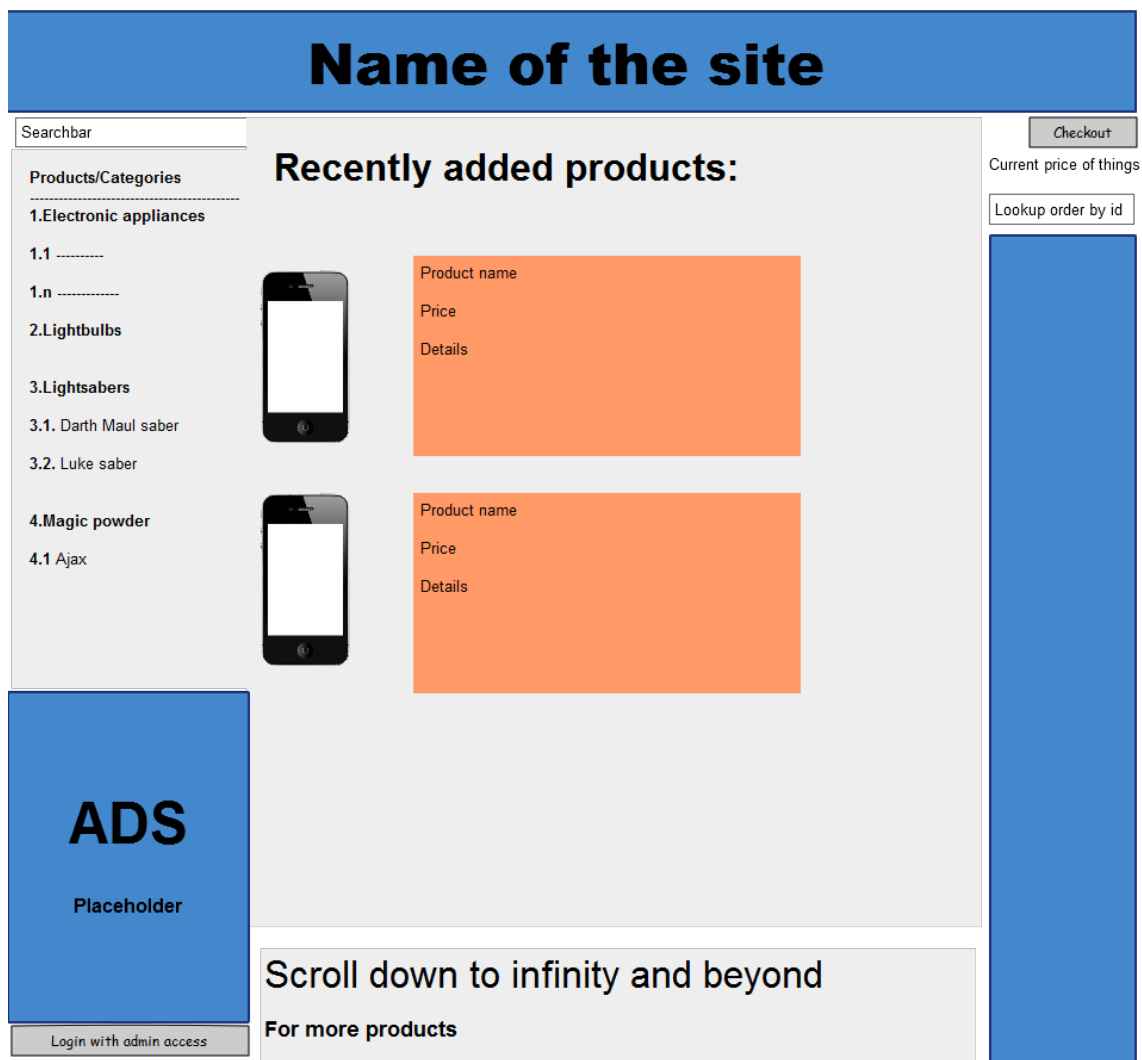


Figure 3.2: Product view

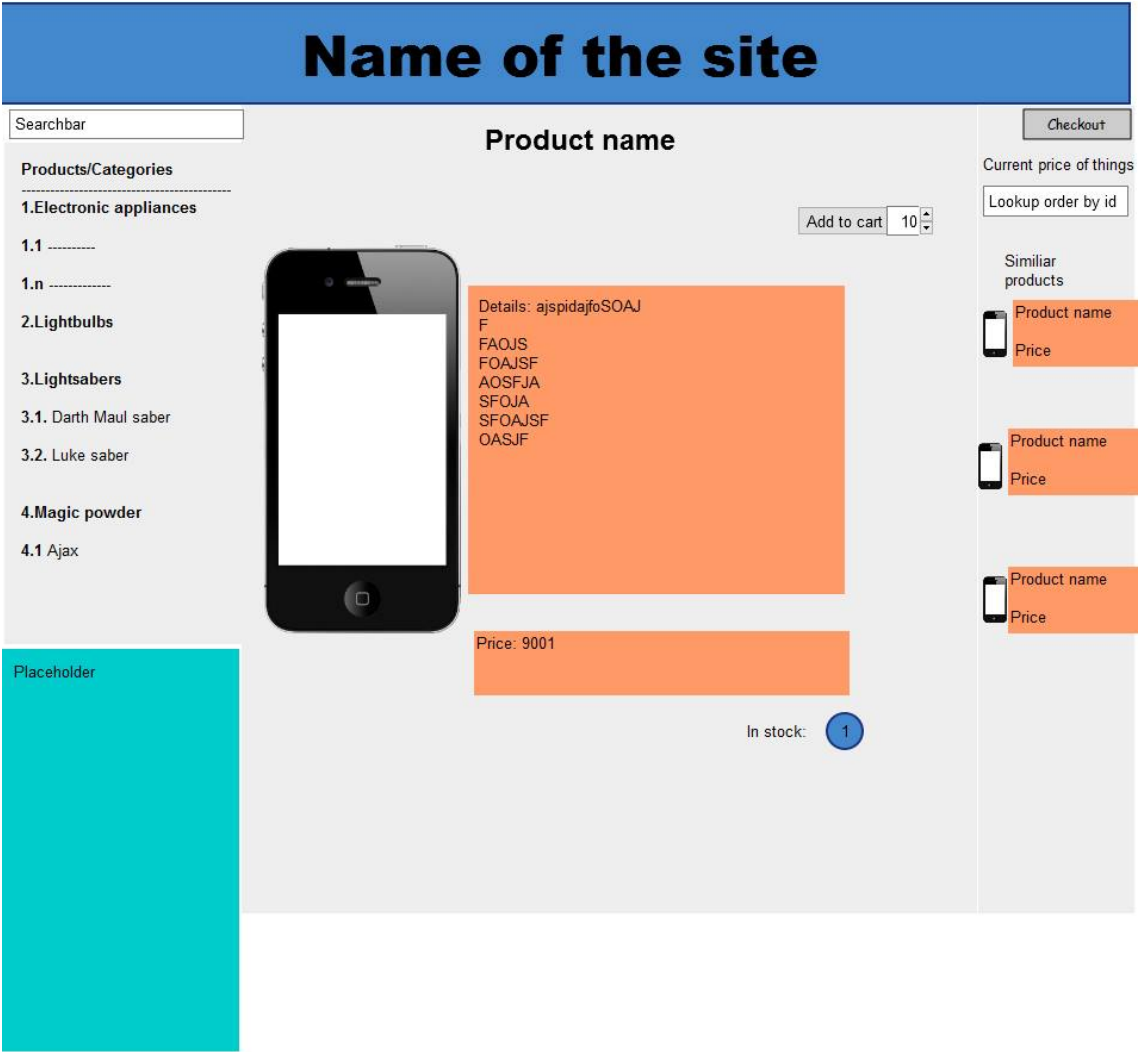


Figure 3.3: Checkout

Name of the site

Searchbar

Products/Categories

1.Electronic appliances

1.1 -----

1.n -----

2.Lightbulbs

3.Lightsabers

3.1. Darth Maul saber


3.2. Luke saber

4.Magic powder

4.1 Ajax

Placeholder

Your cart




Product name

Price

Details

Remove




Product name

Price

Details


Remove

Suggestions for other stuff




Product name

Price



Product name

Price



Product name

Price

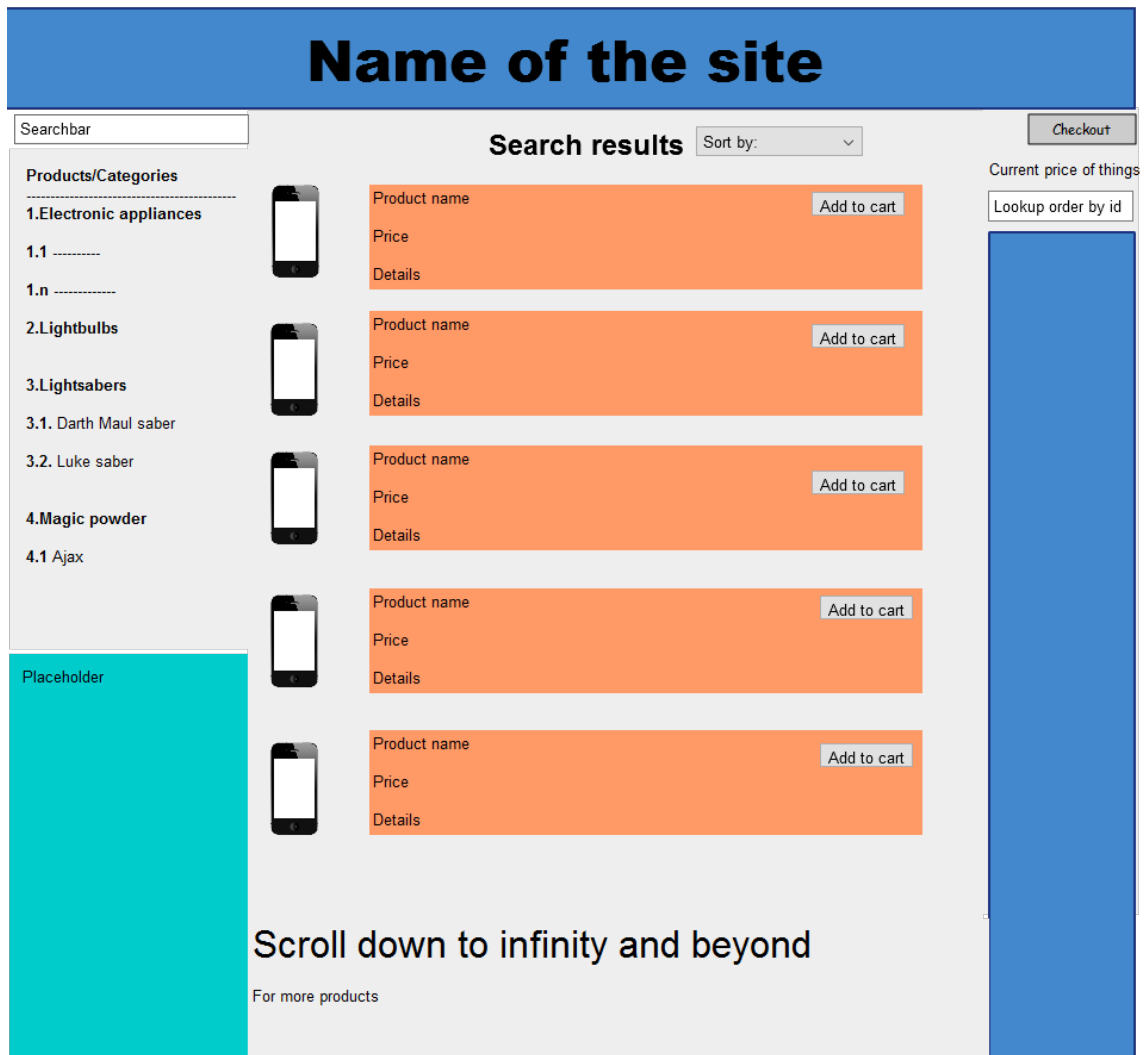
Total price: 9001

You can scroll down until no more products of yours are shown

Pay

4

Figure 3.4: Search



3.2 Administrator view

Figure 3.5: Admin homepage

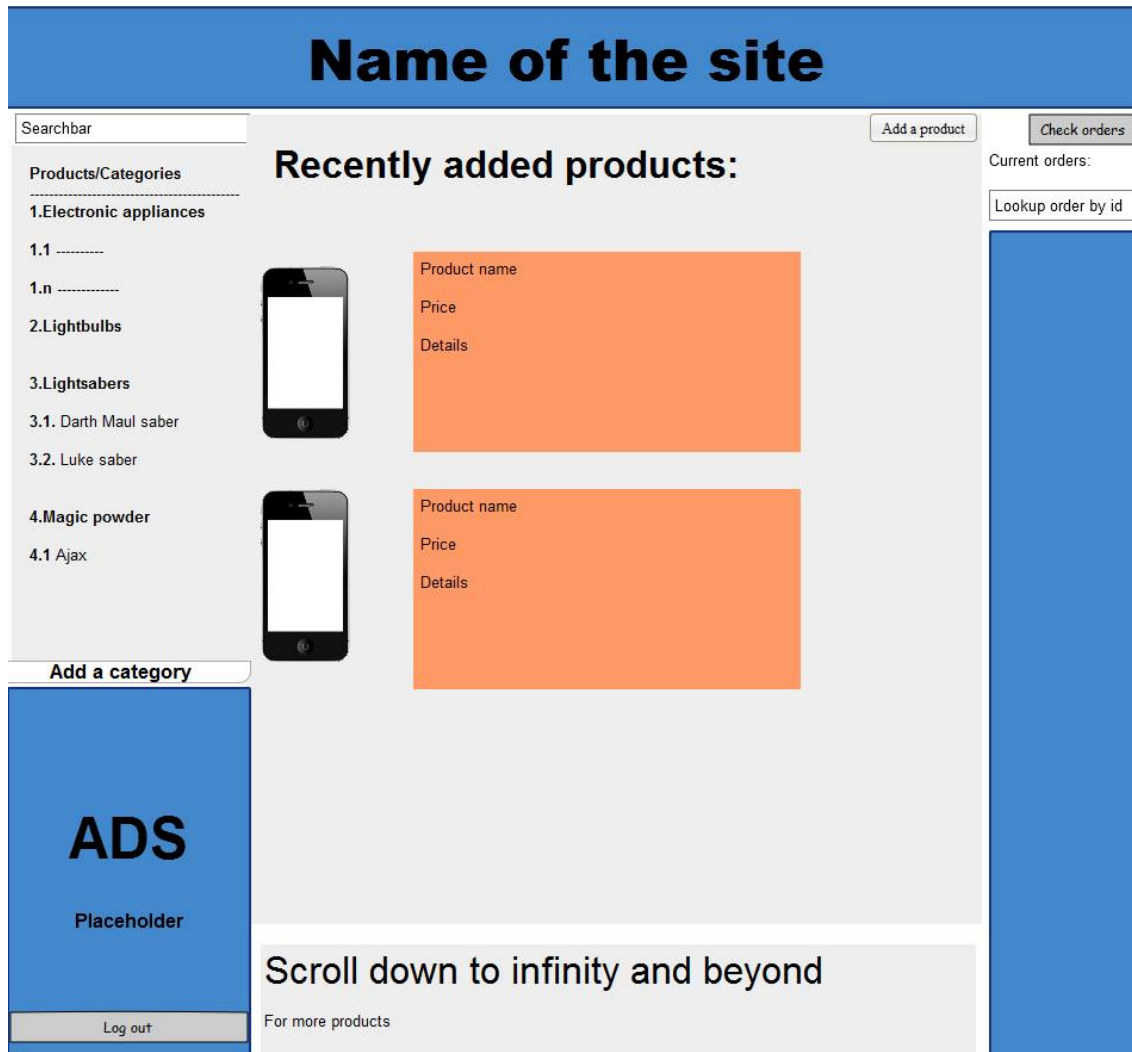


Figure 3.6: Admin product view

Name of the site

Searchbar

Products/Categories

1.Electronic appliances

1.1 -----

1.n -----

2.Lightbulbs

3.Lightsabers

3.1. Darth Maul saber

3.2. Luke saber

4.Magic powder

4.1 Ajax

Placeholder

Log out

Product name

Edit

Details: ajspidajfoSOAJ
F
FAQJS
FOAJSF
AOSFJA
SFOJA
SFOAJSF
OASJF

Price: 9001

In stock: 1

Check orders

Current Orders:

Lookup order by id

Similar products

Product name

Price

Product name

Price

Product name

Price

Figure 3.7: Admin order management

The screenshot displays a web application interface with a blue header and footer. The header contains the text "Name of the site". The main content area is divided into three sections: a left sidebar, a central main area, and a right sidebar.

Left Sidebar:

- Searchbar
- Products/Categories
- 1.Electronic appliances
 - 1.1 -----
 - 1.n -----
- 2.Lightbulbs
- 3.Lightsabers
 - 3.1. Darth Maul saber
 - 3.2. Luke saber
- 4.Magic powder
 - 4.1 Ajax

Central Main Area:

Recently added orders:

Order id:
Total Price:
Status:

Edit order

Order id:
Total Price:
Status:

Edit Order

Right Sidebar:

Current Orders:

Lookup order by id

Footer:

ADS

Placeholder

Log out

Scroll down to infinity and beyond

For more products

Figure 3.8: Admin products view

Name of the site

Searchbar

Products/Categories

1.Electronic appliances

1.1 -----

1.n -----

2.Lightbulbs

3.Lightsabers

3.1. Darth Maul saber

3.2. Luke saber

4.Magic powder

4.1 Ajax

Add a category

ADS

Placeholder

Log out

Add a product

Check orders

Current orders:

Lookup order by id

Recently added products:

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Product name

Price

Edit

Scroll down to infinity and beyond

For more products

9

4 Analysis

This section will cover all the requirements for the webshop and define them.

4.1 General requirements

This table analyses the general requirements for the webshop.

Table 4.1: My caption

ID	Requirements
1	The webshop must contain any number of products.
1.1	All information about the products shall be stored in the database.
1.1.1	product must have: -Product name -Category -Quantity -Price -Description -Image
1.1.2	All products will be pre-defined to categories (Monitors,Computers, Etc.)
1.2	When an order is placed it must be added to the database
1.2.1	When an order is placed the quantity of the products must change

4.2 Customer requirements

This table will look into the customer requirements

Table 4.2: My caption

ID	Requirement
2	The customer must be able to browse the products in the following ways: -Browse all products -Search for a product -Show products in a category
2.1	It must be possible to click on a product to see more details about it.
2.2	The customer must be able to put a product in a cart.
2.2.1	The customer must be able to view the products in the cart.
2.2.2	The customer must be able to change the quantity of a product in the cart.
2.2.3	The customer must be able to remove a product from the cart with one click with any quantity.
2.3	The customer must be able to place an order .
2.3.1	When placing an order, a form must be shown where the customer enters his/her contact details (email, address, phone number).
2.3.2	When an order is finalized the customer must receive an auto-generated order number.
2.3.3	The customer must be able to check the status of his/her order from the order number.

4.3 Administrator requirements

Last section will look into the requirements for the administrator view mode and the functionalities it must have.

Table 4.3: Administrator requirements table

ID	Requirement
3	The webshop shall have an Admin system where an administrator can log on
3.1	Administrator accounts and passwords shall be stored in the database.
3.2	An administrator must be able to add a new product
3.2.1	An administrator must be able to remove a product
3.2.2	An administrator must be able to change information about a product
3.2.3	An administrator must be able to add a category
3.2.4	An administrator must be able to remove a category
3.2.5	An administrator must be able to change information about a category
3.3	An administrator must be able to add a new administrator account
3.3.1	An administrator must be able to remove a administrator account
3.4	An administrator must be able to view all orders
3.4.1	An administrator must be able update the order status on every order
3.4.2	The order status can only be New, Shipped, Delayed, Delivered and Returned

4.4 UML Design

The preliminary UML design is in the picture below.

Figure 4.9: UML Design

