



Report

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



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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

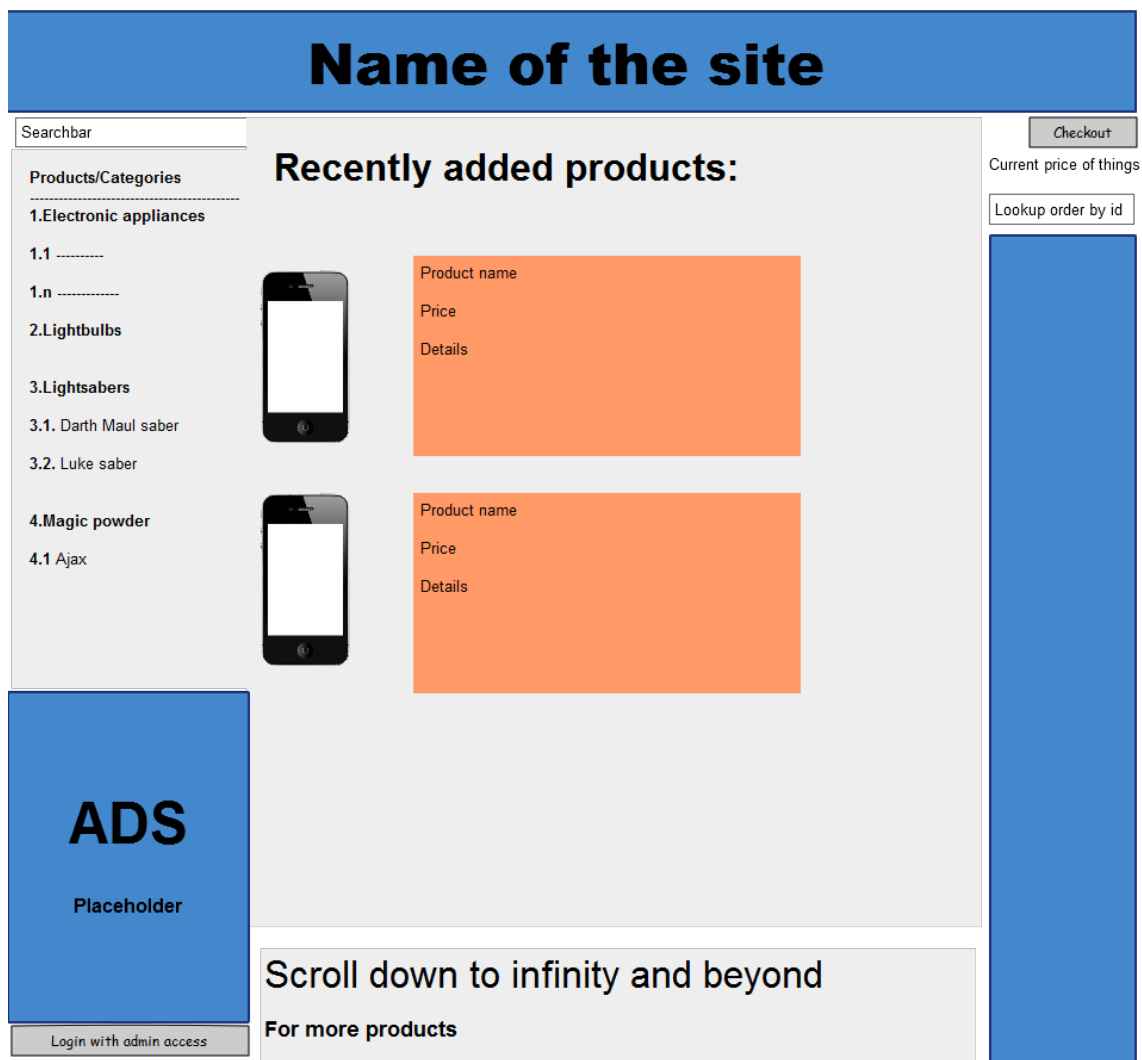


Figure 3.2: Product view

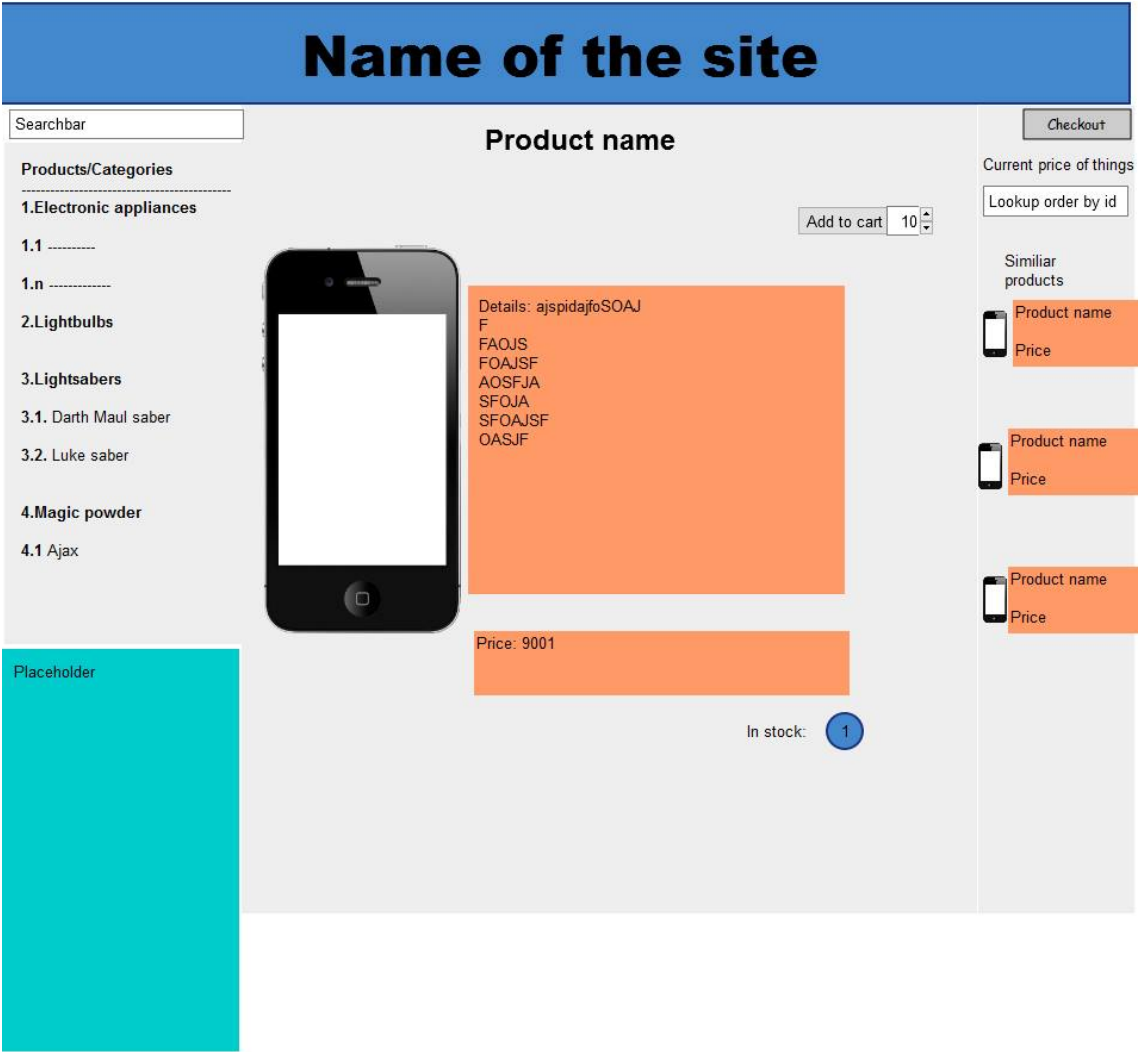


Figure 3.3: Checkout

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

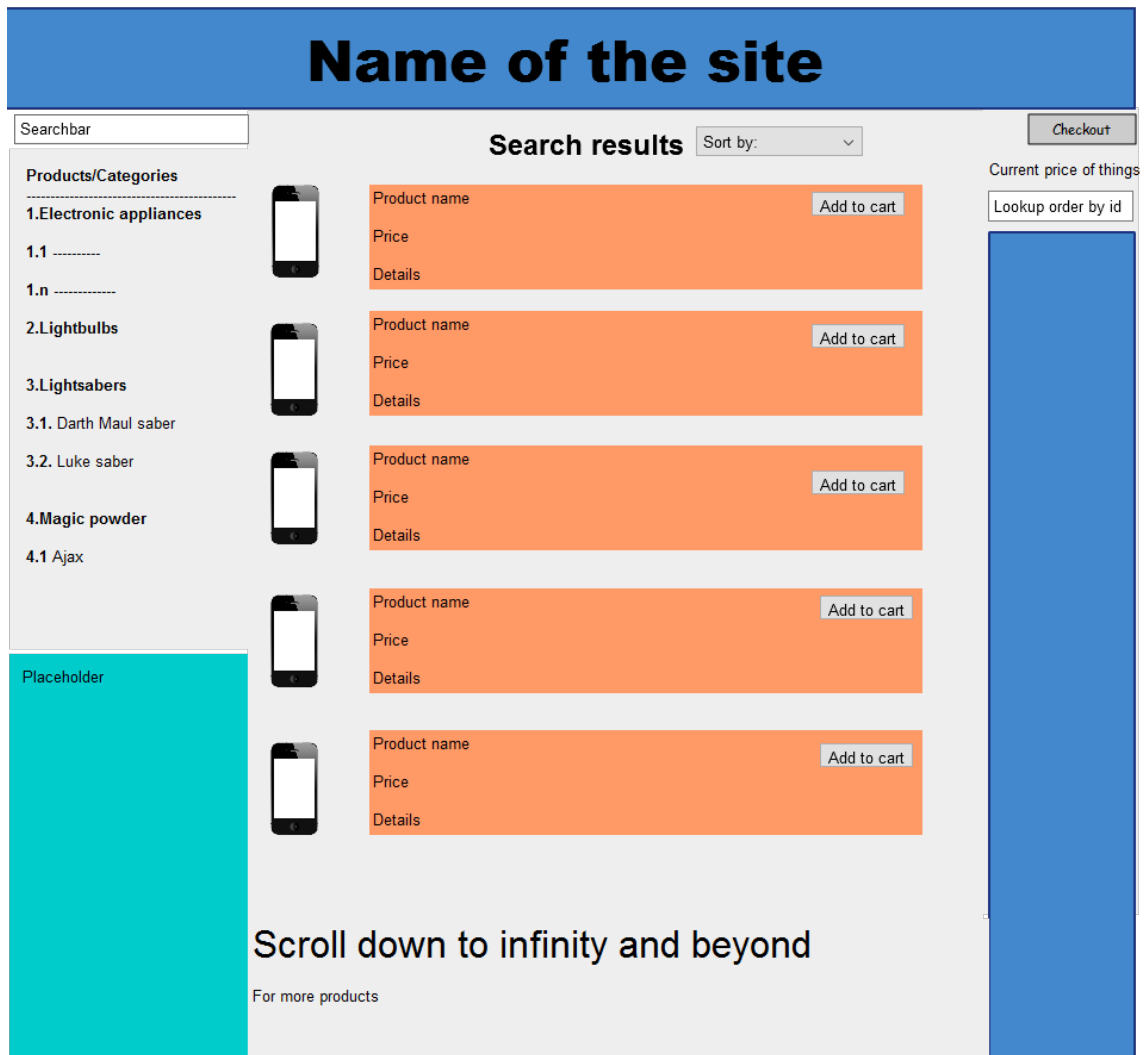
Total price: 9001

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

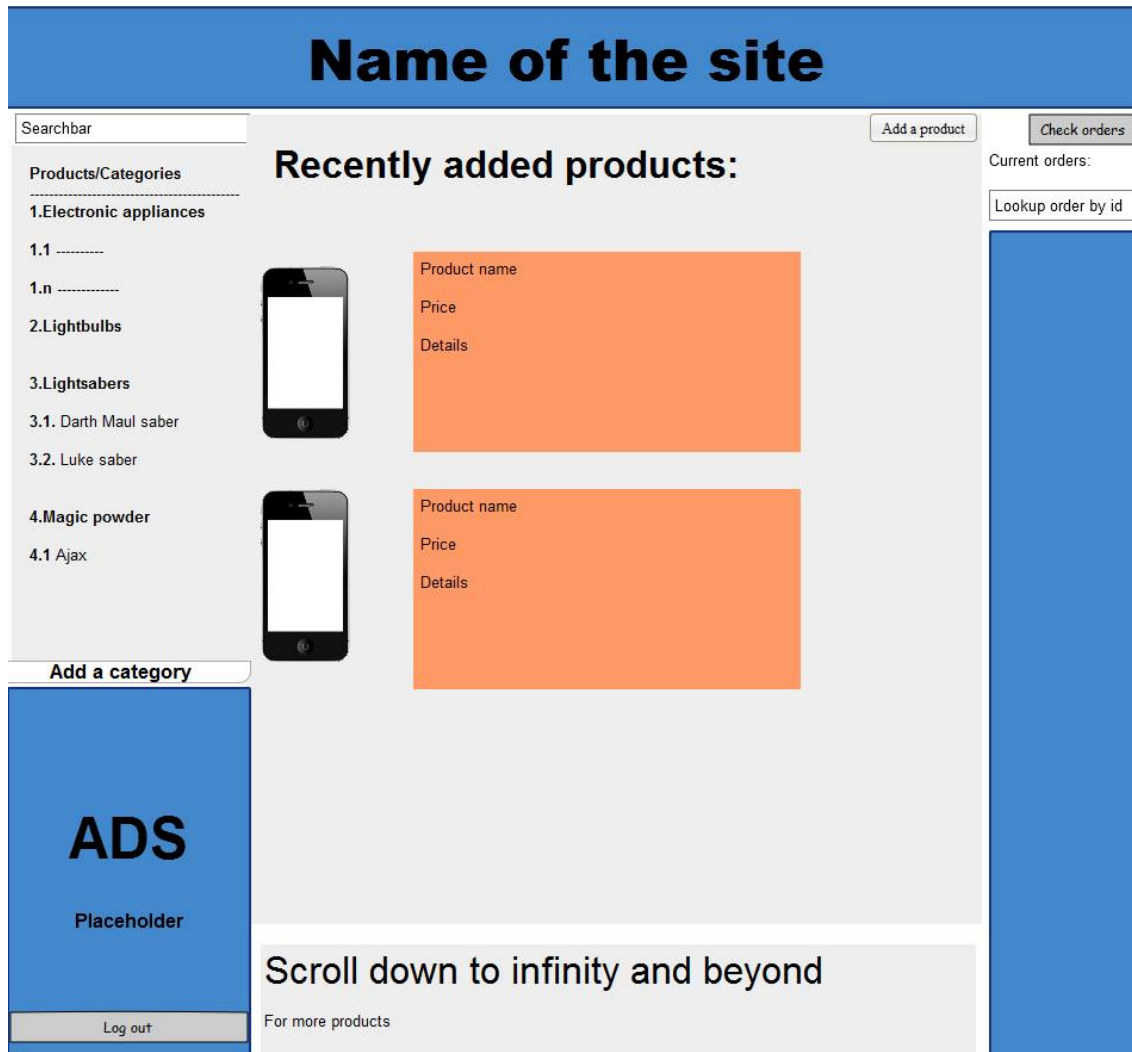


Figure 3.6: Admin product view

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

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

ADS

Placeholder

Log out

Recently added orders:

Order id:

Total Price:

Status:

Edit order

Order id:

Total Price:

Status:

Edit Order

Scroll down to infinity and beyond

For more products

Current Orders:

Lookup order by id

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

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

Add a product

Check orders

Current orders:

Lookup order by id

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.

ID	Requirement
1	The webshop shall contain any number of products.
1.1	All information about the products shall be stored in the database.
1.2	Each product will have: -Product name -Category -Quantity -Price -Description -Image
1.3	All products will be pre-defined to categories (Monitors,Computers, Etc.

4.2 Customer requirements

This table will look into the customer requirements

ID	Requirement
2	The customer shall 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 shall be possible to click on a product to see more details about it.
2.2	The customer shall be able to put a product in a Shopping Basket.
2.3	The customer shall be able to view the products in the Shopping Basket.
2.4	It shall be possible to change the quantity of a product in the Shopping Basket, or remove a product.
2.5	The customer shall be able to place an order .
2.6	When placing an order, a form shall be shown where the customer enters his/her contact details (email, address, phone number).
2.7	When an order is finalized the customer shall receive an auto-generated order number.
2.8	The customer shall 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.

3	The webshop shall have an Admin system where an administrator can log in.
3.1	User accounts and passwords shall be stored in the database.
3.2	When a customer places an order, the order shall be added to the database and the quantity of the order shall be updated in the webshop.
3.3	It will be possible to add a new product.
3.4	It will be possible to remove a product.
3.5	It will be possible to change information about a product.
3.6	It will be possible to manage deliveries (i.e. update the quantity of items).
3.7	It will be possible to add a new administrator account.
3.8	It will be possible to remove an administrator account.
3.9	It will be possible to add a new product category.
3.10	It will be possible to view all orders.
3.11	It will be possible to update an order.
3.12	Each order shall have a status: New, Delayed or Shipped
3.13	An administrator will have to update the order status manually.

4.4 UML Design

The preliminary UML design is in the picture below.

Figure 4.9: UML Design

