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

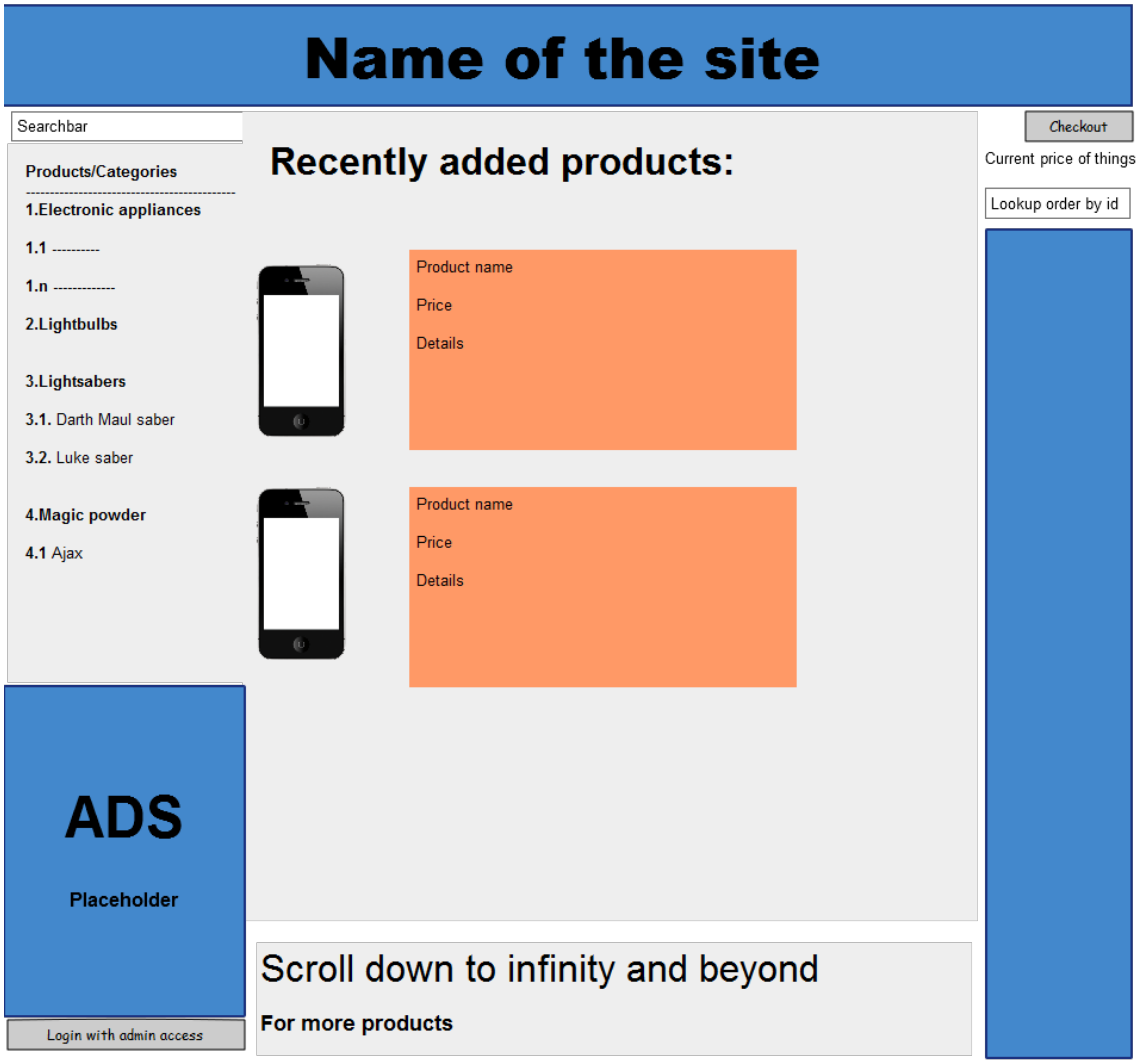


Figure 3.2: Product view

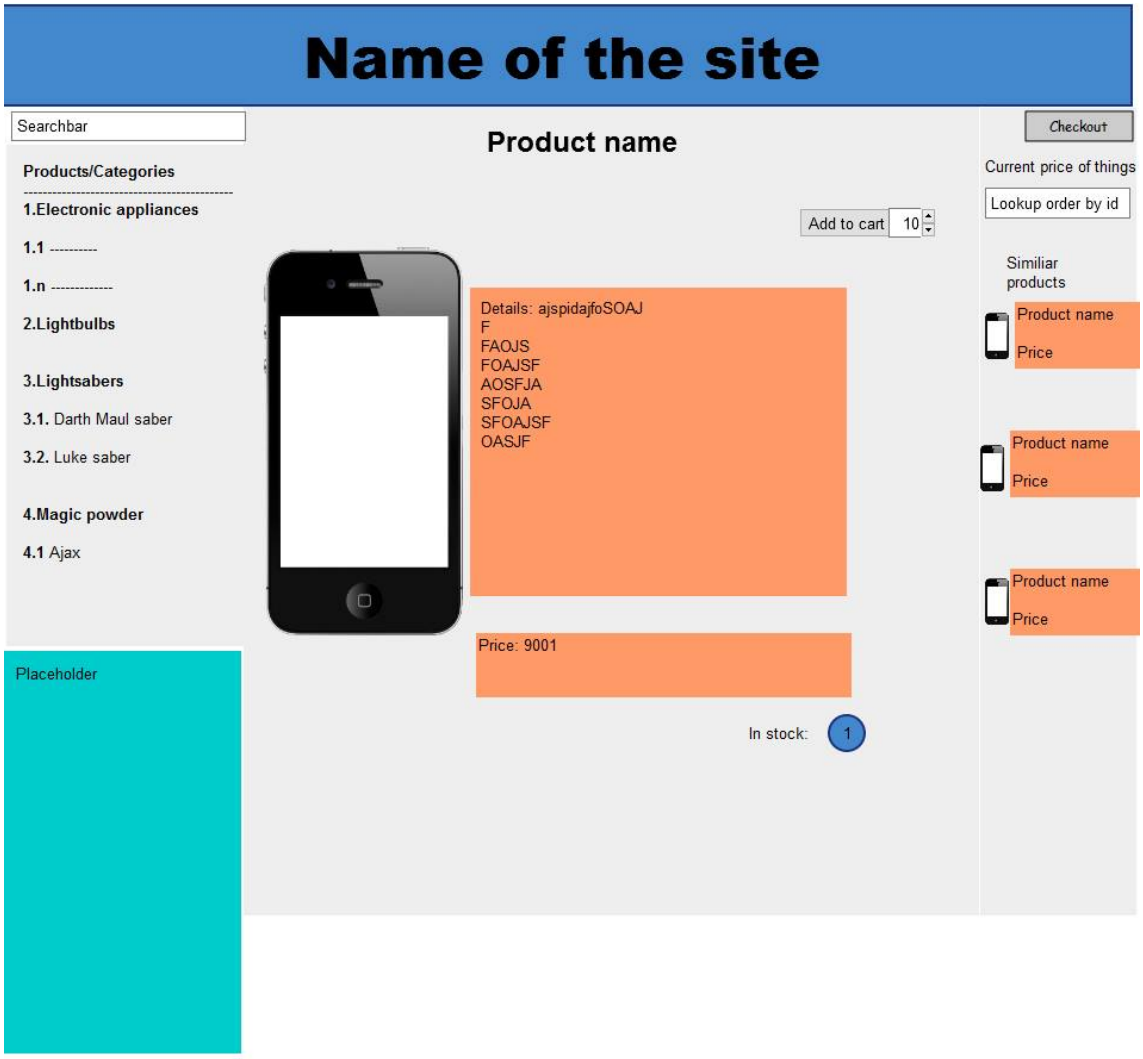
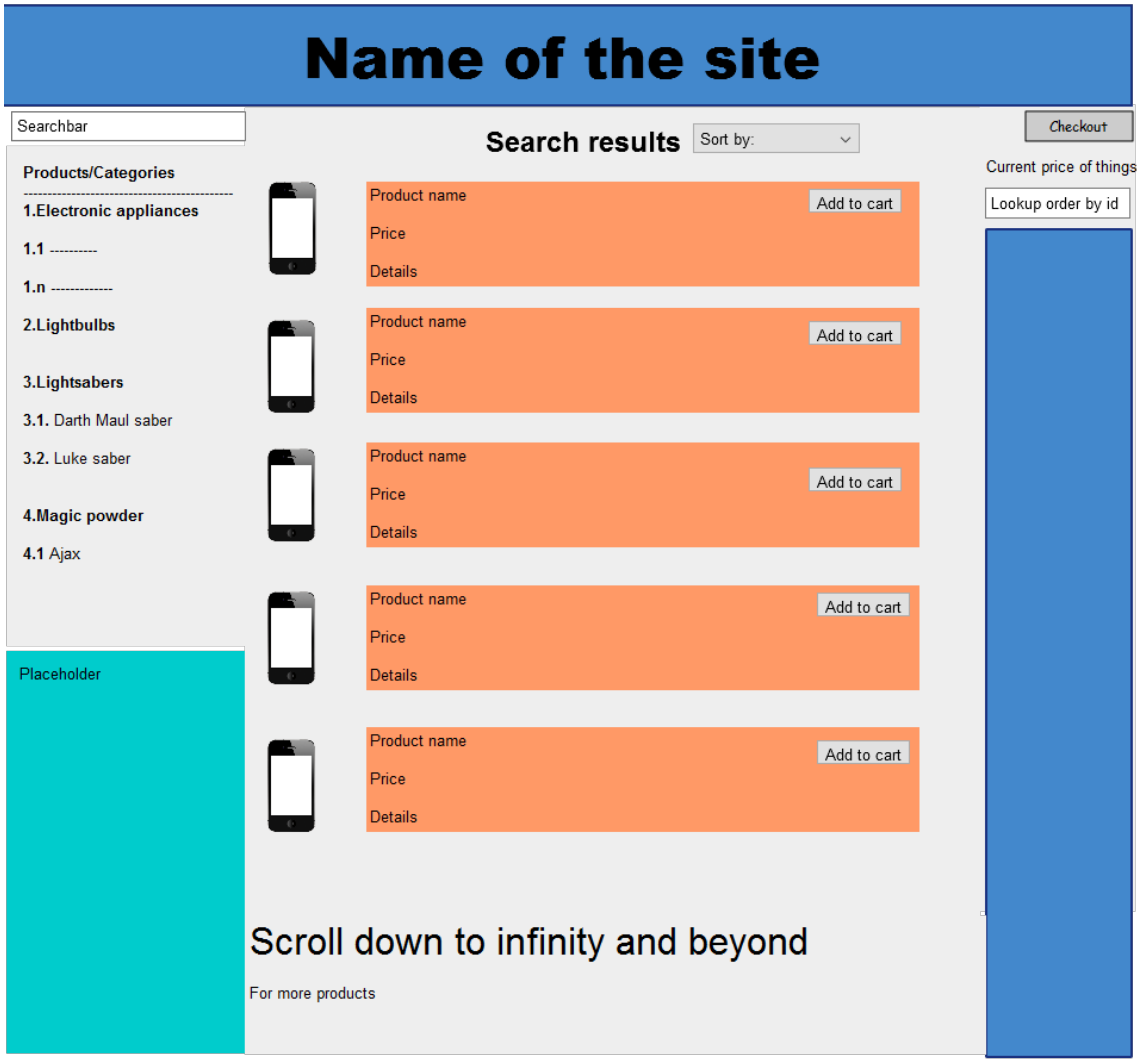


Figure 3.3: Checkout

Figure 3.4: Search



3.2 Administrator view

Figure 3.5: Admin homepage

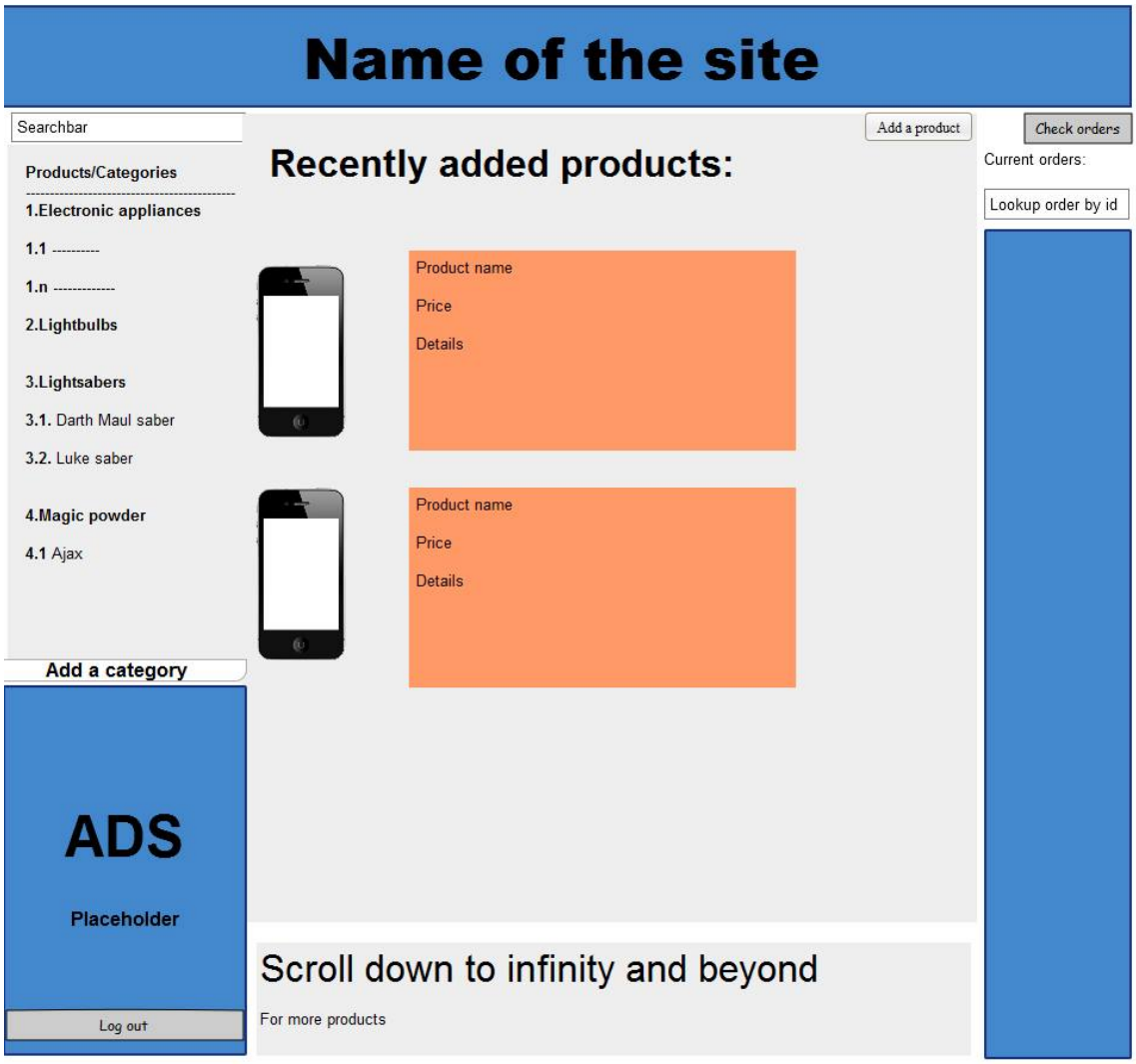


Figure 3.6: Admin product view

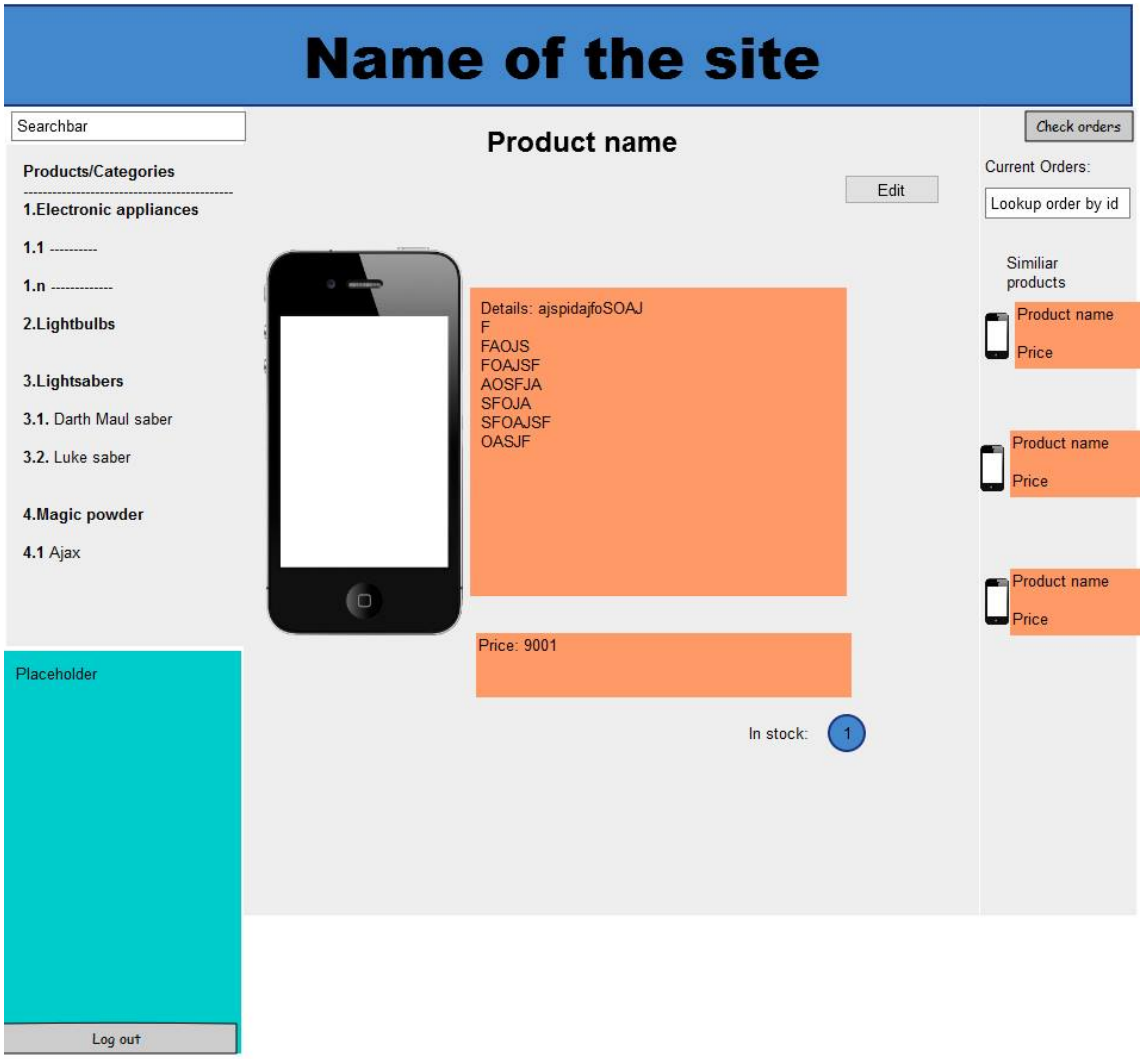


Figure 3.7: Admin order management

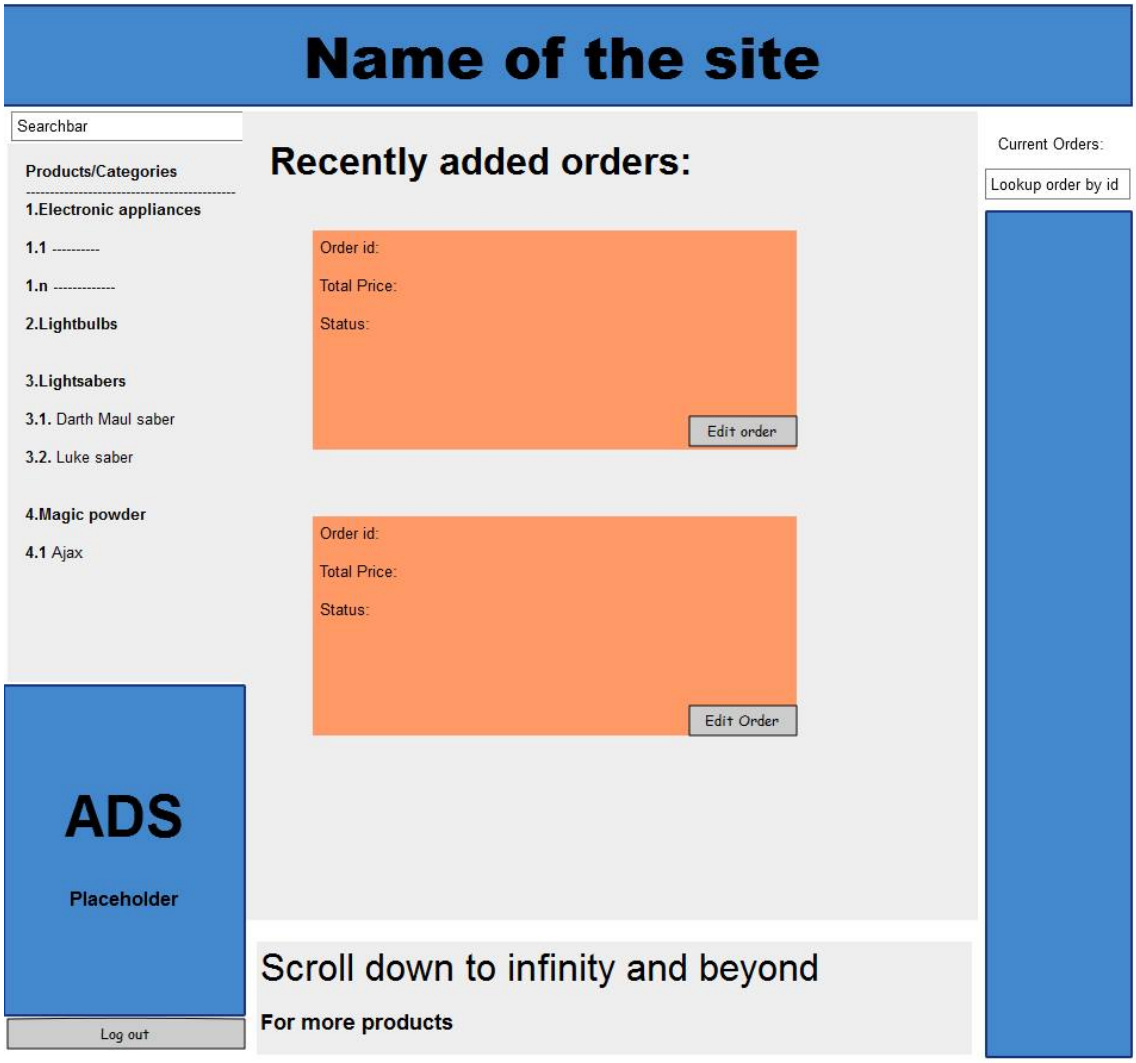
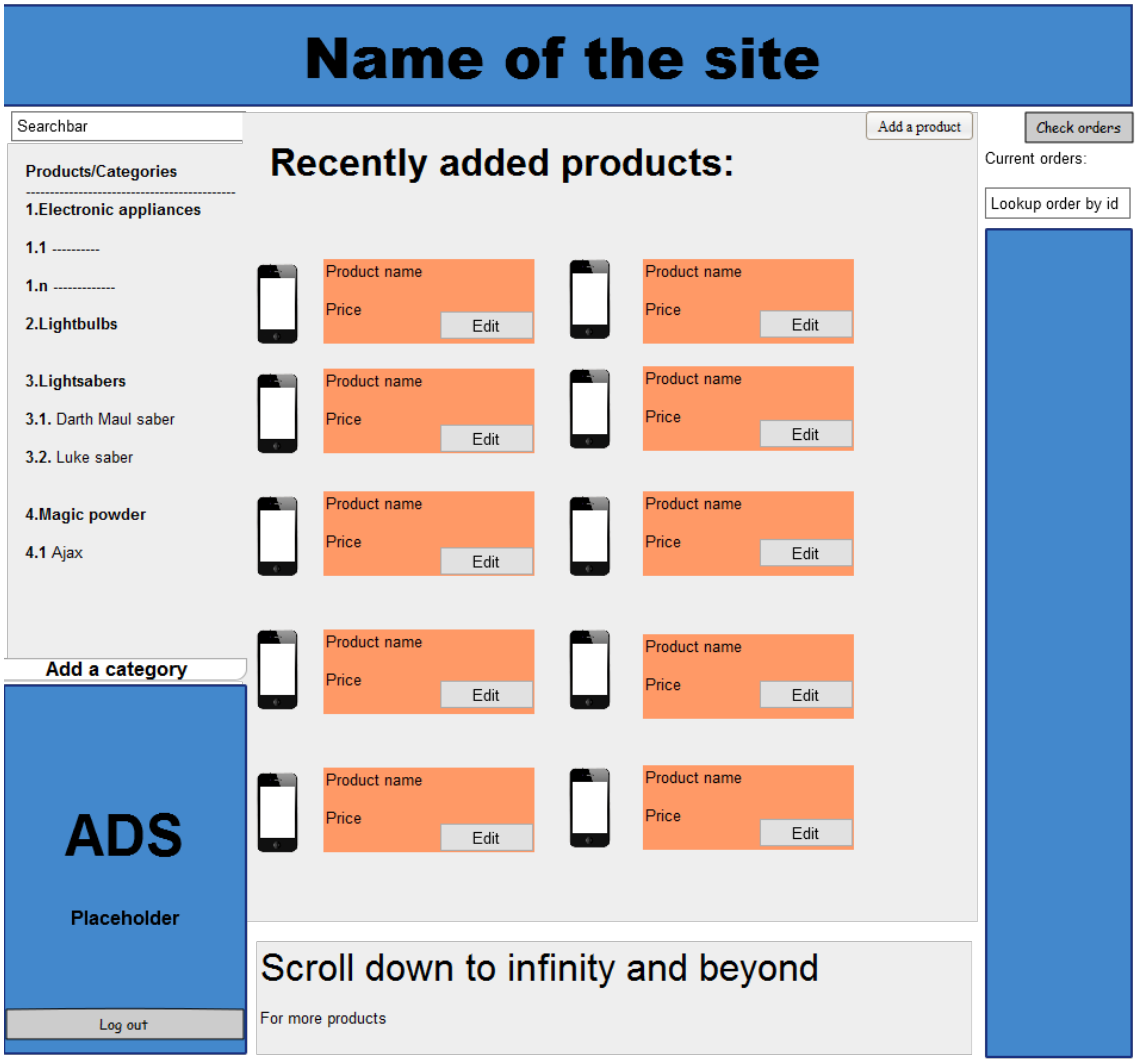


Figure 3.8: Admin products view



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.

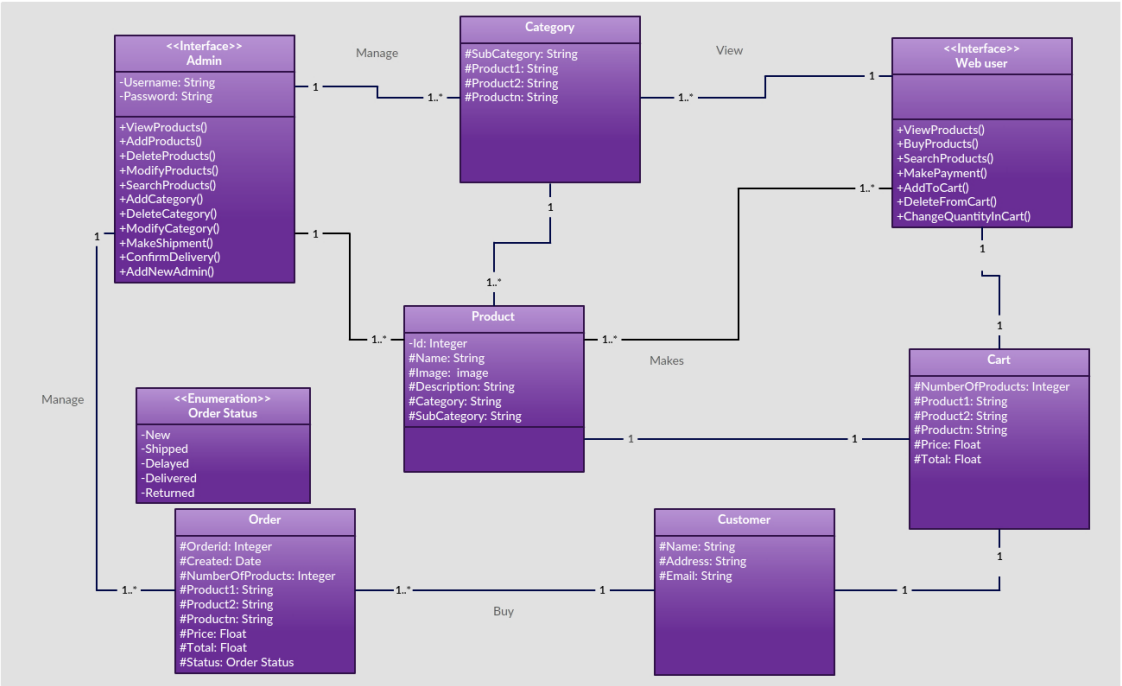



Figure 4.9: UML Design