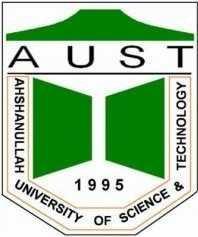
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Report

On

Online Management System

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**Introduction**

E-commerce (electronic commerce or EC) is the buying and selling of goods and services, or the transmitting of funds or data, over an electronic network, primarily the internet. These business transactions occur either as business-to-business, business-to-consumer, consumer-to-consumer or consumer-to-business. The terms e-commerce and e-business are often used interchangeably.

E-commerce emerged in the early 1990s, and its use has increased at a rapid rate. Today, the majority of companies have an online presence. In fact, having the ability to conduct business through the Internet has become a necessity. Everything from food and clothes to entertainment and furniture can be purchased online.

Electronic commerce companies allow consumers to purchase a variety of goods and services online from businesses and other consumers, while they also hosts online auctions. Consumers on these sites typically have numerous payment options, as well as choices for how their products are delivered.

The objective of this project is to develop a general purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. An e- mail notification is sent to the customer as soon as the order is placed.

**Factors**

* No need to travel
* Better deals
* Easy to bye
* Lots of option

**Advantages of online Electronic commerce**

* + Better prices
  + More variety
  + You can send gifts more easily
  + Fewer expenses
  + Price comparisons
  + No crowds
  + Less compulsive shopping
  + Buying old or unused items at lower prices
  + Discreet purchases are easier
  1. **Consumer advantages**
* **Convenience**

Shopping online is convenient. You don’t need to get dressed and drive to your favorite store. You can easily visit their website, find the product you want and buy it without getting out of your pajamas. It’s also convenient because you don’t need to wait for the store to open. If you work irregular hours or are very busy, then you probably don’t have the time to visit the store. Shopping online allows you to buy things without hurting your schedule.

* **Information**

Quick location of any item. It is very easy to compare price and other attributes. You can get any type of information just browsing your favorite store web site.

* 1. **Solid advantages**
* Time to delivery
* Holdup
* Target marketing
* Customer service
* Customer relationships
* Geographic distribution
  1. **Disadvantages of online shopping**
* Shipping Rates
* Refunds/Returns Disputes
* Waiting
* Privacy and security
* Lack of close quality examination

1. **Project analysis and planning** 
   1. **Why we chose the project?**

Online shopping has made life simple and innovative. Customer expectation is different from physical market.

Nowadays, there is a dramatic change in the way of shopping. In the past, customers went to the physical store and bought their necessary items. But, now they are want to buy in online shopping. Online shopping is become increasing popularity for a variety reasons. It has lots of advantages like it saves time, energy of the consumer while buying. There are certainly outside factors such as difficulty getting to traditional stores and hassles often associated whit shopping in malls. Also, malls are now interest to contribute their investment in online shopping. There are many advantages which make online shopping an excellent option for busy customers. So, we choose this project.

* 1. **The problem analysis**

Our basic idea is the customer can buy product from anywhere during any time by using their user name and password provided to them. The database will maintain the product details information. Customer can view their product details. A group of administrator can control the overall project. So, this online shopping system involves with two users.

1. Customer
2. Administrator

**Customer:**

Customer can login and logout from the system. They can view product details

and buy them . Customer can just buy and view, they cannot update/delete any information.

**Administrator:**

A group of administrator play the main role in the online shopping system. They control all the information. They update/delete/insert database when necessary.

The report of the product is generated by the administrator.

* 1. **Project scope**
* Any people can at any time can use this web site.
* Desktop, laptop, tabs, mobiles are usable for the web site.
* Net connect is necessary for this.
  1. **Objectives**

The requirement for the project are device and net connection.

1. **Features**
2. Customer need to registration and admin approval it.
3. Login and logout for customer.
4. Search option.
5. Product are divided into different brand and items.
6. Online payment
7. Buy option.
8. Admin will insert, update and delete.
9. Customizable.
10. **Technological Background** 
    1. **Technology requirement for the project**

* **Hardware**

A web server is a hardware device that is used to host a website. All the html files, databases and image files that make up the entire content of the website are stored on the server. The server run on an operating system.

* **Software**

Web server software to manage access requests to the website. As managing a webs server is a very specific job most small and medium sized business will pay for hosting instead of maintaining their own server.

* **Browsers**

A **web browser** is a software application for retrieving, presenting, and traversing information resources on the World Wide Web. When designing a project it is important to consider how the web site in seen in the web. Mozilla Firefox, Google chrome, internet explorer are the main browser. When a website is loaded in a browser the html code, css, image and information that is stored in a database connection to the website are rendered together to make the site appear in the browser .

* **Server software**

Server software is a type of software that is designed to be used, operated and managed on a computing server. It provides and facilitates the harnessing of underlying server computing power for use with an array of high-end computing services and functions. When a user tries to access a website like [www.\*\*\*\*\*\*.com](http://www.******.com) the web server software the server processes the access request and servers up the correct files that have been request from the client machine.

* **Web authoring tools**

Software for designing and presenting webpages. Web authoring tools are based on some version of HTML and often sue Java to enhance the look and feel of a webpage.  
In our project we use it to develop the front end of the website. HTML files can be created in a web authoring package such as Dreamweaver. The html files created by Dreamweaver will include CSS files that are used to enhance the visual appearance of the site.

* **Database system**

A **database** is a collection of information that is organized so that it can easily be accessed, managed, and updated. In one view, **databases** can be classified according to types of content: bibliographic, full-text, numeric, and images. Database system is mainly used to store the information of a project.

In our project, we use database to store

1. Product info.
2. User info**.**

Product info: number of product, brand name, price, date of made,

User info: User name, password, payment details, phone number, email etc.

It is very important to create database for our project because we can run the project smoothly and processed correctly. We use PHP and MYSQL to communicate between the website and database management system (DBMS) .

* **Network TCP/IP:**

TCP/IP is a two-layer program. The higher layer, Transmission Control Protocol, manager the assembling of a massage or file into smaller packets that are transmitted over the internet and received by a TCP layer that reassembles the packets into the original message. The lower layer, internet protocol, handles the address part of each packet so that it gets to the right destination. A protocol is a rule how connections are set up between two device. We use network TCP/IP for connecting with our customers device.

**Domain Names:**

Domain names are used to identify one or more [IP addresses](http://www.webopedia.com/TERM/I/IP_address.html). For example, the domain name microsoft.comrepresents about a dozen IP addresses. Domain names are used in [URLs](http://www.webopedia.com/TERM/U/URL.html) to identify particular [Web pages](http://www.webopedia.com/TERM/W/web_page.html). For example, in the URLhttp://www.pcwebopedia.com/index.html, the domain name ispcwebopedia.com.

Every domain name has a suffix that indicates which [top level domain (TLD)](http://www.webopedia.com/TERM/T/TLD.html) it belongs to. There are only a limited number of such domains. For example:

* **gov** - Government agencies
* **edu** - Educational institutions
* **org** - Organizations (nonprofit)
* **mil** – Military
* **com** - commercial business
* **net** - Network organizations
* **ca** – Canada
* **th** - Thailand

Because the Internet is based on IP addresses, not domain names, every [Web server](http://www.webopedia.com/TERM/W/Web_server.html) requires a [Domain Name System (DNS)](http://www.webopedia.com/TERM/D/DNS.html) server to translate domain names into IP addresses.

 Short for **Domain Name System**, an [Internet](http://www.webopedia.com/TERM/I/Internet.html) service that translates [domain names](http://www.webopedia.com/TERM/D/domain_name.html) into IP addresses. Because domain names are alphabetic, they're easier to remember. The Internet however, is really based on [IP addresses](http://www.webopedia.com/TERM/I/IP_address.html). Every time you use a domain name, therefore, a DNS service must translate the name into the corresponding IP address. For example, the domain name www.example.com might translate to198.105.232.4.

The DNS system is, in fact, its own [network](http://www.webopedia.com/TERM/N/network.html). If one DNS server doesn't know how to translate a particular domain name, it asks another one, and so on, until the correct IP address is returned.

**Programming Requirement:**

Today, e-commerce web development is no longer a task for professionals only. Virtually any computer user, even absolutely new to programming, can create e-commerce websites just from scratch, without worrying about technical aspects, such as programming language, coding, etc. Actually, this has become possible due the appearance of powerful and still easy-to-use e-commerce development programs and applications allowing to build a full-fledged web store in a matter of a few hours and minimal efforts involved.

Java script in your website increase functionalities. PHP might be used to connect the website to the background database. Complex search queries to find information about your products would need to run on your backend database on what the shopper is looking on your site. There are some programming requirements to consider such as embedding security in your website so that customers credit and debit card information is secure when they purchase from your site.

**Browser and platform Compatibility:**

As mentioned previously it is important to ensure that your site is tested on a number of different operating systems running different browsers. You can than monitor the analytics and ensure the main combination are created for.

If 50 percent of your customer were using IE6 browser on windows XP then you would need to ensure that the site performed correctly with this browser and platform. If you have one visit per month from a Linux operating system using the Safari Brower than it would not worth investing the time and money to ensure that your site was compatible with this browser and platform combination. However if 50 percent of your customer come to the site using this browser and platform then site needs to perform well for this.

**4.2Tools and Language**

The tools we are using to build this project:

* HTML
* PHP scripting language
* CSS
* Javascript
* Bootstrap
* MYSQL database
* Adobe Photoshop