



Online Electronic Applications Database

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Motivation/ Introduction

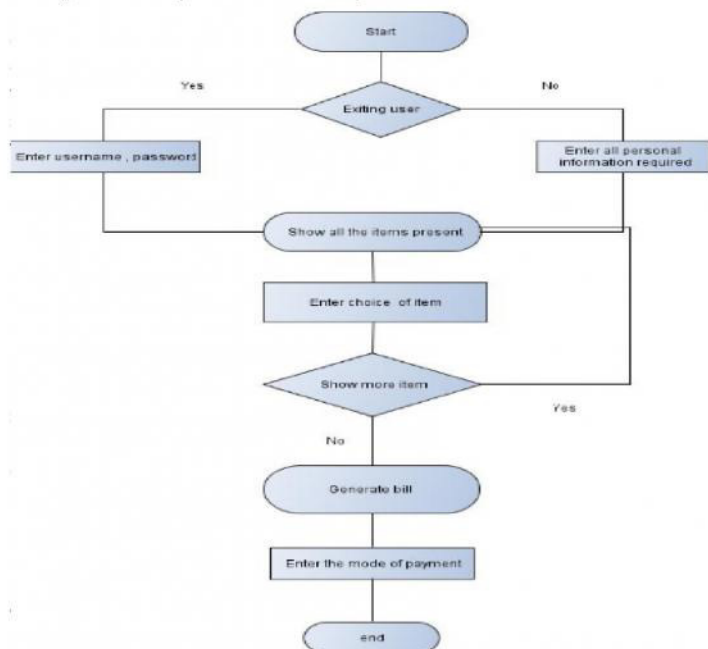
E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace. The motivation of this project is to develop a general purpose e-commerce store database where electronic products like mobile, computers can be bought.

SCOPE of the Project

Online Electronic Application Store Database will do following processes. Any member can register and view available products. Only registered member can purchase multiple products regardless of quantity. There are three roles available: Visitor, User and Admin. Visitor can view available products User can view and purchase products. An Admin has some extra privilege including all privilege of visitor and user. Admin can add products, edit product information and add/remove product. Admin can add user, edit user information and can remove user. 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. The bill will be given to the customer as soon as the order is placed.

Methodology

In this project I am going to implemented a java application which will be a small version of a online shopping portal. I will create an interface which will take input from user and store data in MySQL database. It will ask about user personal information. Then show him recommended items for him. After that we will show him all the categories we have and will show him all the items which are present in every categories. Then ask him about the items he want to buy and finally total amount to be paid is calculated and payment is taken via card or cash on delivery mode option is also given. Finally transition is completed



• Software Resource Requirements

- Windows XP (Service Pack3), 7, 8, 8.1 or 10
- MySQL
- Java JDK
- Java JVM
- JDBC Connector for MySQL
- Eclipse IDE for JAVA

Results

In this project I have developed java application will take input from user and store the data in MySQL using JDBC. In this application I have used MySQL connector which will connect the application with MySQL database. In this project interface will take input from user and store data in MySQL database. It will retrieve data from MySQL database and show the items which are available and their corresponding price. Then user can buy any item and at last bill will be generated. From the screenshots we can see some part of the projected

Table for the electronic items in shop

Item No	Item Name	Company	Price	Type
1	Apple iPhone 5	Apple	12000	mobile
2	Samsung Galaxy S3	Samsung	7500	mobile
3	OnePlus One	OnePlus	20000	mobile
4	Lenovo G50	Lenovo	20000	mobile
5	iPhone 7	Apple	85000	mobile
6	Pixel 2	Pixel	17500	mobile
7	Microsoft Lumia 950	Microsoft	15000	mobile
8	Microsoft Lumia 950	Microsoft	15000	mobile
9	HTC One	HTC	20000	mobile
10	Samsung S7	Samsung	17500	mobile
11	Lenovo Yoga Tab	Lenovo	12000	tab
12	Kindle	Kindle	1000	tab
13	Kindle	Kindle	12000	tab
14	Microsoft Surface	Microsoft	10000	tab
15	HP Pavilion 15	HP	30000	laptop
16	Canon PowerShot G7X	Canon	50000	camera
17	Canon PowerShot G7X	Canon	50000	camera
18	Canon PowerShot G7X	Canon	50000	camera
19	Sony WH-1000XM3	Sony	10000	headphone
20	Sony WH-1000XM3	Sony	10000	headphone
21	Sony WH-1000XM3	Sony	10000	headphone
22	Sony WH-1000XM3	Sony	10000	headphone
23	Sony WH-1000XM3	Sony	10000	headphone
24	Sony WH-1000XM3	Sony	10000	headphone
25	Sony WH-1000XM3	Sony	10000	headphone
26	Sony WH-1000XM3	Sony	10000	headphone
27	Sony WH-1000XM3	Sony	10000	headphone
28	Sony WH-1000XM3	Sony	10000	headphone
29	Sony WH-1000XM3	Sony	10000	headphone
30	Sony WH-1000XM3	Sony	10000	headphone

Given below are some screenshots of my application which works as the interface between user input data and data storing in MySQL database

The screenshots show the following components of the application interface:

- User Registration Form:** A form titled "Enter all your values" with fields for User Name, Password, First Name, Last Name, Address, City, Zip Code, Mobile, and E-mail. It includes "OK" and "Cancel" buttons.
- Product Recommendation List:** A window titled "Input" showing a list of recommended items: 1.Mobile, 2.Tab, 3.Camera, 4.Hard Disk, 5.PenDrive, 6.Memory Card, 7.Printer, 8.Laptop, 9.Mouse, 10.Keyboard, 11.Speaker. It includes "OK" and "Cancel" buttons.
- Item Details Message:** A message box titled "Message" displaying item details: "Item Number is 48", "Item Name is Logitech K230 Wireless Keyboard", "Company is Logitech", and "Price is 729". It includes an "OK" button.
- User Login Form:** A form titled "Enter all your values" with fields for User Name and Password. It includes "OK" and "Cancel" buttons.
- Confirmation Message:** A message box titled "Message" displaying a confirmation message: "You have bought Intex IT-2616SUF-OS 4.1 Computer Multimedia Speakers". It includes an "OK" button.

Conclusion/ Summary

So I have successfully implemented a java application which can be considered as a small version of a online shopping portal. In my project I have created an interface which will take input from user and store data in MySQL database. It will first ask about user personal information. Then show him recommended items for him. Then ask him about the items he want to buy and finally bill is generated and mode of payment is asked so that transition can be completed

Contact Details

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Acknowledgments/ References

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http://www.pewinternet.org/files/old-media/Files/Reports/2008/PIP_One