

# Computer Shop Management System



**BHARATI VIDYAPEETH'S  
COLLEGE OF ENGINEERING FOR WOMEN  
KATRAJ-DHANKAWADI, PUNE-43.**

**INFORMATION TECHNOLOGY DEPARTMENT  
A PROJECT REPORT  
ON**

## **“Computer Shop Management System”**

Project Guided By  
**Prof. A.V. Kanade**

Submitted By  
**Miss. Srushti Mule (Roll no. 3342)**  
**Miss. Apurva Nangare (Roll no. 3343)**  
**Miss. Chaitali Nigade (Roll no. 3344)**

**Class: TE IT**  
**Academic Year:2023-24**

# Computer Shop Management System

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### **INFORMATION TECHNOLOGY DEPARTMENT**

#### **CERTIFICATE**

*This is to certify that the Project titled*

**“Computer Shop Management System”**

was prepared and presented by

**Miss. Srushti Mule (Roll no. 3342)**

**Miss. Apurva Nangare (Roll no. 3343)**

**Miss. Chaitali Nigade (Roll no. 3344)**

**Class: TE IT**

Under the guidance of

**Prof. A. V. Kanade**

Towards partial fulfillment of

TE IT course under

Savitribai Phule Pune University

(Year 2023-24)

**Prof. A.V.Kanade**  
**Subject Teacher**

**Prof. Dr. D. A. Godse**  
**HOD IT**

# Computer Shop Management System

## ACKNOWLEDGEMENT

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We have great pleasure in offering our honorable Principal **Prof. Dr. S. R. Patil** Last but not least, we would like to thanks all the direct and indirect help provided by the staff and our entire classmate for successful completion of this project.

**Date:-**

**Miss. Srushti Mule (Roll no. 3342)**

**Miss. Apurva Nangare(Roll no. 3343)**

**Miss. Chaitali Nigade (Roll no. 3344)**

**T.E. (I.T)**

# Computer Shop Management System

## ABSTRACT

Existing System requires manual input of data which consumes more time and results in human error. To overcome these drawbacks we have designed **Computer Shop Management System** using Database Management System.

The project specifies the working of a Computer Shop. It is a Computer Shop Management System. The project contains the details of computers, customers, employees, suppliers and bills. The employees can update the information stored in the database. The customers can check for the availability of the computers in the Computer Shop.

This project deals with the transaction and management criteria of the Computer Shop Management System. Shop is a place where the work is to sell the hardware products, maintain purchasing and stock in shop and keep their records and prepare bills. The employees will maintain the stock of computers by working with suppliers, customers will purchase their preferred computers along with accessories and a bill will be generated accordingly.

# Computer Shop Management System

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# Computer Shop Management System

## INTRODUCTION

Our project is Computer Shop Management System. This Project is a fine thought to make the complex procedure of the Computer system to an easy manner which is systematic, modular designed, selective menu based user display. The modular design and constructed system is very much user oriented in which user can easily understand the tools and can edit according to his own choice. The project contains forms of customer , computer , bill, product, login, homepage .

In today's era we all know that everyone is huge admirer of e-tailing where everyone can access anything by sitting at home. The purpose of our application is easy retrieval of information about electronics items to customer. Customer can add a product the cart by traversing through forms and the details of the product will be displayed. The bill will be generated by the employee by filling the billing form.

### Goals

1. Develop a Computer Management System that will be able to solve the issues in the existing system regarding to the following categories:

- A. Accuracy
- B. Usability
- C. Efficiency
- D. Effectiveness
- E. Speed
- F. User-friendliness
- G. Time

2 .To reduce Vulnerability to Human Error.

# Computer Shop Management System

## Objectives

- To make best use of our equipment and resources through well-maintained system
- To continue to improve our service through increased number of customer
- To manage the details of computers, customers, supplier, employees and bills
- To track the information of suppliers
- Show the details of computers
- Eliminate manual searching for computers which will be stocked
- Saving time in finding a particular product and make the billing process faster
- Tracking of orders from the purchasers, delivery status for particular products, helpline numbers details and address within current city and in nearest city for particular manufacturers

# Computer Shop Management System

## REQUIREMENT ANALYSIS

### HARDWARE REQUIREMENTS:

- Processor : Intel(R) core(TM) i3-5005 U CPU @ 2.00 GHZ 2.00GHZ
- RAM : 4GB
- Hard disk : 250 GB

### SOFTWARE REQUIREMENTS:

- Operating System : Windows 11
- Back end : MongoDB 3.6.8
- Front End : NetBeans IDE 14
- Java Driver (Jar File): Mongo Java Driver 3.12.9



# Computer Shop Management System

## BACK END

- **MongoDB**

### Employee

```
test> use comp_shop
switched to db comp_shop
comp_shop> db.createCollection("employee")
{ ok: 1 }
comp_shop>
db.employee.insert({emp_id:1,emp_name:"Rohit",emp_age:25,emp_gender:"male",emp_dob:"1998-11-11",emp_mob:8741032566,emp_city:"Pune",emp_street:"Tilak road",emp_pincode:411030,emp_state:"Maharashtra",emp_exp:2,emp_aadhar:124365778966,emp_qual:"BE",emp_date:"2022-10-10",emp_post:"HR"})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("652fff78c4c8e459340cef96") }
}
comp_shop>
db.employee.insert({emp_id:2,emp_name:"Sanika",emp_age:25,emp_gender:"female",emp_dob:"1998-12-12",emp_mob:8741032577,emp_city:"Pune",emp_street:"Dhankawadi",emp_pincode:411043,emp_state:"Maharashtra",emp_exp:2,emp_aadhar:124365778777,emp_qual:"BE",emp_date:"2022-12-12",emp_post:"Manager"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("65300066c4c8e459340cef97") }
}
comp_shop>
db.employee.insert({emp_id:3,emp_name:"Dhruv",emp_age:30,emp_gender:"male",emp_dob:"1993-12-12",emp_mob:8741032588,emp_city:"Mumbai",emp_street:"Dhankawadi",emp_pincode:411047,emp_state:"Maharashtra",emp_exp:3,emp_aadhar:124365778788,emp_qual:"MBA",emp_date:"2023-12-10",emp_post:"Technical Head"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("653000bac4c8e459340cef98") }
}
comp_shop>
db.employee.insert({emp_id:4,emp_name:"Srushti",emp_age:30,emp_gender:"female",emp_dob:"1993-08-12",emp_mob:8741032999,emp_city:"Patna",emp_street:"Gandhi
```

## Computer Shop Management System

```
Road",emp_pincode:411070,emp_state:"Madhya
Pradesh",emp_exp:4,emp_aadhar:124365778799,emp_qual:"MBA",emp_date:"2020-12-
10",emp_post:"Marketing Head"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("65300116c4c8e459340cef99") }
}
comp_shop>
db.employee.insert({emp_id:5,emp_name:"Virat",emp_age:24,emp_gender:"male",emp_dob:"1999-08-
12",emp_mob:8741032873,emp_city:"Noida",emp_street:"PL
Road",emp_pincode:411087,emp_state:"Delhi",emp_exp:4,emp_aadhar:124365778100,emp_qual:"MTec
h",emp_date:"2020-08-10",emp_post:"Consultant"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("65300183c4c8e459340cef9a") }
}
comp_shop> db.employee.find().pretty()
[
  {
    _id: ObjectId("652fff78c4c8e459340cef96"),
    emp_id: 1,
    emp_name: 'Rohit',
    emp_age: 25,
    emp_gender: 'male',
    emp_dob: '1998-11-11',
    emp_mob: 8741032566,
    emp_city: 'Pune',
    emp_street: 'Tilak road',
    emp_pincode: 411030,
    emp_state: 'Maharashtra',
    emp_exp: 2,
    emp_aadhar: 124365778966,
    emp_qual: 'BE',
    emp_date: '2022-10-10',
    emp_post: 'HR'
  },
  {
    _id: ObjectId("65300066c4c8e459340cef97"),
    emp_id: 2,
    emp_name: 'Sanika',
    emp_age: 25,
    emp_gender: 'female',
    emp_dob: '1998-12-12',
    emp_mob: 8741032577,
```

## Computer Shop Management System

```
emp_city: 'Pune',
emp_street: 'Dhankawadi',
emp_pincode: 411043,
emp_state: 'Maharashtra',
emp_exp: 2,
emp_aadhar: 124365778777,
emp_qual: 'BE',
emp_date: '2022-12-12',
emp_post: 'Manager'
},
{
  _id: ObjectId("653000bac4c8e459340cef98"),
  emp_id: 3,
  emp_name: 'Dhruv',
  emp_age: 30,
  emp_gender: 'male',
  emp_dob: '1993-12-12',
  emp_mob: 8741032588,
  emp_city: 'Mumbai',
  emp_street: 'Dhankawadi',
  emp_pincode: 411047,
  emp_state: 'Maharashtra',
  emp_exp: 3,
  emp_aadhar: 124365778788,
  emp_qual: 'MBA',
  emp_date: '2023-12-10',
  emp_post: 'Technical Head'
},
{
  _id: ObjectId("65300116c4c8e459340cef99"),
  emp_id: 4,
  emp_name: 'Srushti',
  emp_age: 30,
  emp_gender: 'female',
  emp_dob: '1993-08-12',
  emp_mob: 8741032999,
  emp_city: 'Patna',
  emp_street: 'Gandhi Road',
  emp_pincode: 411070,
  emp_state: 'Madhya Pradesh',
  emp_exp: 4,
  emp_aadhar: 124365778799,
  emp_qual: 'MBA',
  emp_date: '2020-12-10',
```

---

## Computer Shop Management System

```
emp_post: 'Marketing Head'
},
{
  _id: ObjectId("65300183c4c8e459340cef9a"),
  emp_id: 5,
  emp_name: 'Virat',
  emp_age: 24,
  emp_gender: 'male',
  emp_dob: '1999-08-12',
  emp_mob: 8741032873,
  emp_city: 'Noida',
  emp_street: 'PL Road',
  emp_pincode: 411087,
  emp_state: 'Delhi',
  emp_exp: 4,
  emp_aadhar: 124365778100,
  emp_qual: 'MTech',
  emp_date: '2020-08-10',
  emp_post: 'Consultant'
}
]
```

### BILL

```
test> use comp_shop
switched to db comp_shop
comp_shop> db.createCollection("bill")
{ ok: 1 }
comp_shop>
db.bill.insert({bill_id:101,cust_id:100,bill_price:70000,mode_of_payment:UPI,qty:4,date_of_purchase:20
23-12-05})
ReferenceError: UPI is not defined
comp_shop>
db.bill.insert({bill_id:101,cust_id:100,bill_price:70000,mode_of_payment:"UPI",qty:4,date_of_purchase:
2023-12-05})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530cb47a472bbd7a9948d00") }
}
comp_shop>
db.bill.insert({bill_id:102,cust_id:200,bill_price:125000,mode_of_payment:"Cash",qty:5,date_of_purchas
e:2022-12-05})
{
  acknowledged: true,
```

---

## Computer Shop Management System

```
    insertedIds: { '0': ObjectId("6530cb7fa472bbd7a9948d01") }
  }
comp_shop>
db.bill.insert({bill_id:103,cust_id:300,bill_price:90000,mode_of_payment:"Card",qty:4,date_of_purchase:2021-12-05})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530cb9ea472bbd7a9948d02") }
}
comp_shop>
db.bill.insert({bill_id:104,cust_id:400,bill_price:80000,mode_of_payment:"UPI",qty:7,date_of_purchase:2021-10-06})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530cbbda472bbd7a9948d03") }
}
comp_shop>
db.bill.insert({bill_id:105,cust_id:500,bill_price:120000,mode_of_payment:"Card",qty:2,date_of_purchase:2021-10-21})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530cbf1a472bbd7a9948d04") }
}
comp_shop> db.bill.find().pretty()
[
  {
    _id: ObjectId("6530cb47a472bbd7a9948d00"),
    bill_id: 101,
    cust_id: 100,
    bill_price: 70000,
    mode_of_payment: 'UPI',
    qty: 4,
    date_of_purchase: 2006
  },
  {
    _id: ObjectId("6530cb7fa472bbd7a9948d01"),
    bill_id: 102,
    cust_id: 200,
    bill_price: 125000,
    mode_of_payment: 'Cash',
    qty: 5,
    date_of_purchase: 2005
  },
  {
```

## Computer Shop Management System

```
_id: ObjectId("6530cb9ea472bbd7a9948d02"),
bill_id: 103,
cust_id: 300,
bill_price: 90000,
mode_of_payment: 'Card',
qty: 4,
date_of_purchase: 2004
},
{
  _id: ObjectId("6530cbbda472bbd7a9948d03"),
  bill_id: 104,
  cust_id: 400,
  bill_price: 80000,
  mode_of_payment: 'UPI',
  qty: 7,
  date_of_purchase: 2005
},
{
  _id: ObjectId("6530cbf1a472bbd7a9948d04"),
  bill_id: 105,
  cust_id: 500,
  bill_price: 120000,
  mode_of_payment: 'Card',
  qty: 2,
  date_of_purchase: 1990
}
{
  _id: ObjectId("6545f2bb8ce12d16f4816d8f"),
  bill_id: '12',
  computer_brand: 'apple',
  cust_id: '10',
  price: '200000',
  mode_of_payment: 'cash',
  quantity: '1',
  date: '21'
},
{
  _id: objectid("6547277056ccd556c2ce625a"),
  bill_id: '4',
  computer_brand: 'lenovo',
  cust_id: '3',
  price: '100000',
  mode_of_payment: 'cash',
  quantity: '1',
```

# Computer Shop Management System

```
    date: '20'  
  }  
]
```

## CUSTOMER

```
comp_shop>db.createCollection("Customer")
```

```
{ ok: 1 }
```

```
comp_shop>
```

```
db.customer.insert({cust_id:100,cust_name:"Sanika",cust_age:24,cust_gender:"Female",cust_dob:2000-12-08,cust_mob:8380944572,cust_city:"Bangalore",cust_street:"MG Road",cust_pincode:411030,cust_state:"Karnataka",cust_email:"sanika@gmail.com"})  
{  
  acknowledged: true,  
  insertedIds: { '0': ObjectId("6530cd14a472bbd7a9948d05") }  
}
```

```
comp_shop>
```

```
db.customer.insert({cust_id:200,cust_name:"Mitesh",cust_age:29,cust_gender:"Male",cust_dob:1994-12-07,cust_mob:9011035270,cust_city:"Pune",cust_street:"JM Road",cust_pincode:411043,cust_state:"Maharashtra",cust_email:"mitesh@gmail.com"})  
{  
  acknowledged: true,  
  insertedIds: { '0': ObjectId("6530cd67a472bbd7a9948d06") }  
}
```

```
comp_shop>
```

```
db.customer.insert({cust_id:300,cust_name:"Siya",cust_age:28,cust_gender:"Female",cust_dob:1995-12-04,cust_mob:8888874654,cust_city:"Pune",cust_street:"MadhavNagar",cust_pincode:411040,cust_state:"Maharashtra",cust_email:"siya@gmail.com"})  
{  
  acknowledged: true,  
  insertedIds: { '0': ObjectId("6530cdc1a472bbd7a9948d07") }  
}
```

```
comp_shop>
```

```
db.customer.insert({cust_id:400,cust_name:"Ram",cust_age:20,cust_gender:"Male",cust_dob:2003-07-01,cust_mob:9096103754,cust_city:"Pune",cust_street:"Sadashiv Peth",cust_pincode:411047,cust_state:"Maharashtra",cust_email:"ram@gmail.com"})  
{  
  acknowledged: true,  
  insertedIds: { '0': ObjectId("6530ce23a472bbd7a9948d08") }  
}
```

```
comp_shop>
```

```
db.customer.insert({cust_id:500,cust_name:"Tina",cust_age:23,cust_gender:"Female",cust_dob:2000-07-17,cust_mob:7507001683,cust_city:"Pune",cust_street:"Katraj",cust_pincode:411017,cust_state:"Maharashtra",cust_email:"Tina@gmail.com"})  
{
```

## Computer Shop Management System

```
acknowledged: true,
insertedIds: { '0': ObjectId("6530ce65a472bbd7a9948d09") }
}
comp_shop> db.customer.find().pretty()
[
  {
    _id: ObjectId("6530cd14a472bbd7a9948d05"),
    cust_id: 100,
    cust_name: 'Sanika',
    cust_age: 24,
    cust_gender: 'Female',
    cust_dob: 1980,
    cust_mob: 8380944572,
    cust_city: 'Bangalore',
    cust_street: 'MG Road',
    cust_pincode: 411030,
    cust_state: 'Karnataka',
    cust_email: 'sanika@gmail.com'
  },
  {
    _id: ObjectId("6530cd67a472bbd7a9948d06"),
    cust_id: 200,
    cust_name: 'Mitesh',
    cust_age: 29,
    cust_gender: 'Male',
    cust_dob: 1975,
    cust_mob: 9011035270,
    cust_city: 'Pune',
    cust_street: 'JM Road',
    cust_pincode: 411043,
    cust_state: 'Maharashtra',
    cust_email: 'mitesh@gmail.com'
  },
  {
    _id: ObjectId("6530cdc1a472bbd7a9948d07"),
    cust_id: 300,
    cust_name: 'Siya',
    cust_age: 28,
    cust_gender: 'Female',
    cust_dob: 1979,
    cust_mob: 8888874654,
    cust_city: 'Pune',
    cust_street: 'MadhavNagar',
    cust_pincode: 411040,
```

---



## Computer Shop Management System

```
    cust_state: 'Maharashtra',
    cust_email: 'siya@gmail.com'
  },
  {
    _id: ObjectId("6530ce23a472bbd7a9948d08"),
    cust_id: 400,
    cust_name: 'Ram',
    cust_age: 20,
    cust_gender: 'Male',
    cust_dob: 1995,
    cust_mob: 9096103754,
    cust_city: 'Pune',
    cust_street: 'Sadashiv Peth',
    cust_pincode: 411047,
    cust_state: 'Maharashtra',
    cust_email: 'ram@gmail.com'
  },
  {
    _id: ObjectId("6530ce65a472bbd7a9948d09"),
    cust_id: 500,
    cust_name: 'Tina',
    cust_age: 23,
    cust_gender: 'Female',
    cust_dob: 1976,
    cust_mob: 7507001683,
    cust_city: 'Pune',
    cust_street: 'Katraj',
    cust_pincode: 411017,
    cust_state: 'Maharashtra',
    cust_email: 'Tina@gmail.com'
  }
]
```

### COMPUTER

```
comp_shop> db.createCollection("computer")
{ ok: 1 }
comp_shop>
db.computer.insert({c_id:11,comp_price:50000,brand:"Lenovo",RAM:8,processor:3,cpu_model:"Intel",c
omp_qty:1,battery_life:20,harddisk_inGB:16})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d031a472bbd7a9948d0a") }
}
```

## Computer Shop Management System

```
comp_shop>
db.computer.insert({c_id:12,comp_price:95000,brand:"Asus",RAM:6,processor:3,cpu_model:"Dell",comp_qty:2,battery_life:12,harddisk_inGB:216})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d060a472bbd7a9948d0b") }
}
comp_shop>
db.computer.insert({c_id:13,comp_price:65000,brand:"Dell",RAM:8,processor:5,cpu_model:"Dell",comp_qty:1,battery_life:30,harddisk_inGB:128})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d095a472bbd7a9948d0c") }
}
comp_shop>
db.computer.insert({c_id:14,comp_price:75000,brand:"HP",RAM:16,processor:4,cpu_model:"Lenovo",comp_qty:5,battery_life:25,harddisk_inGB:64})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d0c9a472bbd7a9948d0d") }
}
comp_shop>
db.computer.insert({c_id:15,comp_price:80000,brand:"Macbook",RAM:8,processor:8,cpu_model:"Apple",comp_qty:1,battery_life:35,harddisk_inGB:512})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d0fca472bbd7a9948d0e") }
}
comp_shop> db.computer.find().pretty()
[
  {
    _id: ObjectId("6530d031a472bbd7a9948d0a"),
    c_id: 11,
    comp_price: 50000,
    brand: 'Lenovo',
    RAM: 8,
    processor: 3,
    cpu_model: 'Intel',
    comp_qty: 1,
    battery_life: 20,
    harddisk_inGB: 16
  },
  {
    _id: ObjectId("6530d060a472bbd7a9948d0b"),
```

## Computer Shop Management System

```
c_id: 12,  
comp_price: 95000,  
brand: 'Asus',  
RAM: 6,  
processor: 3,  
cpu_model: 'Dell',  
comp_qty: 2,  
battery_life: 12,  
harddisk_inGB: 216  
},  
{  
  _id: ObjectId("6530d095a472bbd7a9948d0c"),  
  c_id: 13,  
  comp_price: 65000,  
  brand: 'Dell',  
  RAM: 8,  
  processor: 5,  
  cpu_model: 'Dell',  
  comp_qty: 1,  
  battery_life: 30,  
  harddisk_inGB: 128  
},  
{  
  _id: ObjectId("6530d0c9a472bbd7a9948d0d"),  
  c_id: 14,  
  comp_price: 75000,  
  brand: 'HP',  
  RAM: 16,  
  processor: 4,  
  cpu_model: 'Lenovo',  
  comp_qty: 5,  
  battery_life: 25,  
  harddisk_inGB: 64  
},  
{  
  _id: ObjectId("6530d0fca472bbd7a9948d0e"),  
  c_id: 15,  
  comp_price: 80000,  
  brand: 'Macbook',  
  RAM: 8,  
  processor: 8,  
  cpu_model: 'Apple',  
  comp_qty: 1,  
  battery_life: 35,
```

---

## Computer Shop Management System

```
    harddisk_inGB: 512
  }
]
SUPPLIER
comp_shop> db.createCollection("supplier")
{ ok: 1 }
comp_shop> db.supplier.insert({s_id:1000,s_name:"Samarth",s_age:30,s_dob:1995-05-02,s_gender:"Male",s_email:"samarth@gmail.com",s_city:"Delhi",s_street:"SarojiniNagar",s_pincode:55555,s_state:"Delhi",s_qty:6372,s_mob:7632140099,reg_no:1234})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d411a472bbd7a9948d0f") }
}
comp_shop> db.supplier.insert({s_id:2000,s_name:"Siddharth",s_age:30,s_dob:1993-05-02,s_gender:"Male",s_email:"siddharth@gmail.com",s_city:"Ajmer",s_street:"LajpatNagar",s_pincode:66666,s_state:"Rajasthan",s_qty:1000,s_mob:8745321166,reg_no:1235})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d4a5a472bbd7a9948d10") }
}
comp_shop> db.supplier.insert({s_id:3000,s_name:"Rajnikant",s_age:50,s_dob:1973-05-02,s_gender:"Male",s_email:"rajnikant@gmail.com",s_city:"Pune",s_street:"SB Road",s_pincode:77777,s_state:"Maharashtra",s_qty:2000,s_mob:7824361142,reg_no:1236})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d509a472bbd7a9948d11") }
}
comp_shop> db.supplier.insert({s_id:4000,s_name:"Adivishesh",s_age:50,s_dob:1973-05-10,s_gender:"Male",s_email:"adivishesh@gmail.com",s_city:"Chennai",s_street:"T Road",s_pincode:88888,s_state:"TamilNadu",s_qty:7000,s_mob:8452136697,reg_no:1237})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d586a472bbd7a9948d12") }
}
comp_shop> db.supplier.insert({s_id:5000,s_name:"Prabhas",s_age:26,s_dob:1977-05-10,s_gender:"Male",s_email:"prabhas@gmail.com",s_city:"Udupi",s_street:"KM Road",s_pincode:99999,s_state:"Karnataka",s_qty:8000,s_mob:7896541237,reg_no:1238})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6530d611a472bbd7a9948d13") }
}
comp_shop> db.supplier.find().pretty()
[
  {
```

## Computer Shop Management System

```
_id: ObjectId("6530d411a472bbd7a9948d0f"),
s_id: 1000,
s_name: 'Samarth',
s_age: 30,
s_dob: 1988,
s_gender: 'Male',
s_email: 'samarth@gmail.com',
s_city: 'Delhi',
s_street: 'SarojiniNagar',
s_pincode: 55555,
s_state: 'Delhi',
s_qty: 6372,
s_mob: 7632140099,
reg_no: 1234
},
{
  _id: ObjectId("6530d4a5a472bbd7a9948d10"),
  s_id: 2000,
  s_name: 'Siddharth',
  s_age: 30,
  s_dob: 1986,
  s_gender: 'Male',
  s_email: 'siddharth@gmail.com',
  s_city: 'Ajmer',
  s_street: 'LajpatNagar',
  s_pincode: 66666,
  s_state: 'Rajasthan',
  s_qty: 1000,
  s_mob: 8745321166,
  reg_no: 1235
},
{
  _id: ObjectId("6530d509a472bbd7a9948d11"),
  s_id: 3000,
  s_name: 'Rajnikant',
  s_age: 50,
  s_dob: 1966,
  s_gender: 'Male',
  s_email: 'rajnikant@gmail.com',
  s_city: 'Pune',
  s_street: 'SB Road',
  s_pincode: 77777,
  s_state: 'Maharashtra',
  s_qty: 2000,
```

---

## Computer Shop Management System

```
s_mob: 7824361142,  
reg_no: 1236  
},  
{  
  _id: ObjectId("6530d586a472bbd7a9948d12"),  
  s_id: 4000,  
  s_name: 'Adivishesh',  
  s_age: 50,  
  s_dob: 1958,  
  s_gender: 'Male',  
  s_email: 'adivishesh@gmail.com',  
  s_city: 'Chennai',  
  s_street: 'T Road',  
  s_pincode: 88888,  
  s_state: 'TamilNadu',  
  s_qty: 7000,  
  s_mob: 8452136697,  
  reg_no: 1237  
},  
{  
  _id: ObjectId("6530d611a472bbd7a9948d13"),  
  s_id: 5000,  
  s_name: 'Prabhas',  
  s_age: 26,  
  s_dob: 1962,  
  s_gender: 'Male',  
  s_email: 'prabhas@gmail.com',  
  s_city: 'Udupi',  
  s_street: 'KM Road',  
  s_pincode: 99999,  
  s_state: 'Karnataka',  
  s_qty: 8000,  
  s_mob: 7896541237,  
  reg_no: 1238  
}  
]
```

# Computer Shop Management System

## SOURCE CODE

### HOME PAGE

```
public class home extends javax.swing.JFrame {

    /**
     * Creates new form home
     */
    public home() {
        initComponents();
    }
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        this.setVisible(false);
        new product().setVisible(true);
    }

    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
        this.setVisible(false);
        new login().setVisible(true);
    }
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new home().setVisible(true);
        }
    });
}
```

### LOGIN PAGE

```
public class login extends javax.swing.JFrame {
```

```
    /**
     * Creates new form login
```

---

## Computer Shop Management System

```
*/
public login() {
    initComponents();
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new Employee().setVisible(true);
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new customer().setVisible(true);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new home().setVisible(true);
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new login().setVisible(true);
    }
});
}
```

### EMPLOYEE PAGE

```
//import com.mongodb.*;
//import com.mongodb.client.MongoCollection;
//import com.mongodb.client.MongoDatabase;

import com.mongodb.BasicDBObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import java.net.UnknownHostException;

import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;
```

---



# Computer Shop Management System

```
public class Employee extends javax.swing.JFrame {

    /**
     * Creates new form Employee*/

    public Employee() {
        initComponents();
        connection();
    }
    MongoClient mc;
    DBCollection coll ;
    DBCursor dc;
    public void connection(){
        mc = new MongoClient("localhost", 27017);
        DB db =mc.getDB("comp_shop");
        coll = db.getCollection("employee");

        System.out.println("connect");
    }
    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        BasicDBObject db;
        try
        {
            db = new BasicDBObject("ID",jTextField1.getText());
            db.append("NAME",jTextField3.getText());
            db.append("AGE",jTextField4.getText());
            db.append("GENDER",jComboBox1.getSelectedItem());
            db.append("CITY",jTextField2.getText());
            db.append("MOBILE_NO",jTextField5.getText());
            coll.insert(db);
            JOptionPane.showMessageDialog(this,"Record Stored in Database");
```

# Computer Shop Management System

```
}
catch(Exception e)
{

}

}

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new login().setVisible(true);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jTextField1.setText("");
    jTextField3.setText("");
    jTextField4.setText("");
    jComboBox1.setSelectedItem(ABORT);
    jTextField2.setText("");
    jTextField5.setText("");
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(() -> {
    new Employee().setVisible(true);
});
}
}
```

## CUSTOMER PAGE

```
import com.mongodb.BasicDBObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import java.net.UnknownHostException;
```

---

## Computer Shop Management System

```
import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;

public class customer extends javax.swing.JFrame {

    /**
     * Creates new form customer
     */
    public customer() {
        initComponents();
        connection();
    }
    MongoClient mc;
    DBCollection coll ;
    DBCursor dc;
    public void connection(){
        mc = new MongoClient("localhost", 27017);
        DB db =mc.getDB("comp_shop");
        coll = db.getCollection("customer");

        System.out.println("connect");
    }

    private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        BasicDBObject db;
        try
        {
            db = new BasicDBObject("CUST_ID",jTextField1.getText());
            db.append("NAME",jTextField3.getText());
            db.append("AGE",jTextField4.getText());
            db.append("GENDER",jComboBox1.getSelectedItem());
```

## Computer Shop Management System

```
db.append("CITY",jTextField2.getText());
db.append("MOBILE_NO",jTextField5.getText());
db.append("ADHAAR_NO",jTextField6.getText());

coll.insert(db);
JOptionPane.showMessageDialog(this,"Record Stored in Database");

}
catch(Exception e)
{

}

}

private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new login().setVisible(true);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jTextField1.setText("");
    jTextField3.setText("");
    jTextField4.setText("");
    jComboBox1.setSelectedItem(ABORT);
    jTextField2.setText("");
    jTextField5.setText("");
    jTextField6.setText("");
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new customer().setVisible(true);
    }
});
}
}
```

# Computer Shop Management System

## COMPUTER PAGE

```
import com.mongodb.BasicDBObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import java.net.UnknownHostException;

import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;

public class computer extends javax.swing.JFrame {

    /**
     * Creates new form computer
     */
    public computer() {
        initComponents();
        connection();
    }
    MongoClient mc;
    DBCollection coll ;
    DBCursor dc;
    public void connection(){
        mc = new MongoClient("localhost", 27017);
        DB db =mc.getDB("comp_shop");
        coll = db.getCollection("computer");

        System.out.println("connect");
    }

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }
}
```

## Computer Shop Management System

```
private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField9ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    BasicDBObject db;
    try
    {
        db = new BasicDBObject("c_id",jTextField1.getText());
        db.append("comp_price",jTextField2.getText());
        db.append("brand",jTextField3.getText());

        db.append("RAM",jTextField4.getText());
        db.append("processor",jTextField5.getText());
        db.append("cpu_model",jTextField6.getText());
        db.append("comp_qty",jTextField7.getText());
        db.append("battery_life",jTextField8.getText());
        db.append("harddisk_inGB",jTextField9.getText());
        coll.insert(db);
        JOptionPane.showMessageDialog(this,"Record Stored in Database");

    }
    catch(Exception e)
    {

    }
}
```

## Computer Shop Management System

```
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient mongoClient =null;
    mongoClient=new MongoClient("localhost",27017);
    DB db=mongoClient.getDB("comp_shop");
    DBCollection coll =db.getCollection("computer");
    BasicDBObject queryObj = new BasicDBObject("COMP_ID",jTextField1.getText());
    BasicDBObject newObj = new BasicDBObject("c_id",jTextField1.getText()).append("comp_price",jTextField2.getText()).append("brand",jTextField3.getText()).append("RAM",jTextField4.getText()).append("processor",jTextField5.getText()).append("cpu_model",jTextField6.getText()).append("comp_qty",jTextField7.getText()).append("battery_life",jTextField8.getText()).append("harddisk_inGB",jTextField9.getText());
    coll.update(queryObj, newObj);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient mongoClient =null;
    mongoClient=new MongoClient("localhost",27017);
    DB db=mongoClient.getDB("comp_shop");
    DBCollection coll =db.getCollection("computer");
    BasicDBObject search= new BasicDBObject();
    search.put("c_id",jTextField1.getText());
    DBCursor cursor = coll.find(search);

    if(cursor.hasNext())
    {
        DBObject search1 =cursor.next();
        jTextField1.setText((String)search1.get("c_id"));
        jTextField2.setText((String)search1.get("comp_price"));
        jTextField3.setText((String)search1.get("brand"));
        jTextField4.setText((String)search1.get("RAM"));
        jTextField5.setText((String)search1.get("processor"));
        jTextField6.setText((String)search1.get("cpu_model"));
        jTextField7.setText((String)search1.get("comp_qty"));
        jTextField8.setText((String)search1.get("battery_life"));
        jTextField9.setText((String)search1.get("harddisk_inGB"));
    }
    else
    {
        JOptionPane.showMessageDialog(this,"NOT FOUND");
    }
}
```

## Computer Shop Management System

```
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient mongoClient =null;
    mongoClient=new MongoClient("localhost",27017);
    DB db=mongoClient.getDB("comp_shop");
    DBCollection coll =db.getCollection("computer");
    BasicDBObject document = new BasicDBObject();
    document.put("c_id", jTextField1.getText());
    coll.remove(document);
    JOptionPane.showMessageDialog(this,"record deleted successfully");
    System.out.println("Document Deleted Successfully");
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

    jTextField1.setText("");
    jTextField2.setText("");
    jTextField3.setText("");
    jTextField4.setText("");
    jTextField5.setText("");
    jTextField6.setText("");
    jTextField7.setText("");
    jTextField8.setText("");
    jTextField9.setText("");
}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient mongoClient =null;
    mongoClient=new MongoClient("localhost",27017);
    DB db=mongoClient.getDB("comp_shop");
    DBCollection coll =db.getCollection("computer");

    BasicDBObject search= new BasicDBObject();
    search.put("c_id",jTextField1.getText());
    DBCursor cursor = coll.find(search);
    if(cursor.hasNext())
    {
        DBObject search1 =cursor.next();
        jTextField1.setText((String)search1.get("c_id"));
        jTextField2.setText((String)search1.get("comp_price"));
        jTextField3.setText((String)search1.get("brand"));
        jTextField4.setText((String)search1.get("RAM"));
    }
}
```



## Computer Shop Management System

```
        jTextField5.setText((String)search1.get("processor"));
        jTextField6.setText((String)search1.get("cpu_model"));
        jTextField7.setText((String)search1.get("comp_qty"));
        jTextField8.setText((String)search1.get("battery_life"));
        jTextField9.setText((String)search1.get("harddisk_inGB"));
    }
    else
    {
        JOptionPane.showMessageDialog(this,"NOT FOUND");
    }

}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false);
    new home().setVisible(true);
}
private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new computer().setVisible(true);
    }
});
}
}
```

### PRODUCT PAGE

```
public class product extends javax.swing.JFrame {

    /**
     * Creates new form product
     */
    public product() {
        initComponents();
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }
}
```

---

## Computer Shop Management System

```
private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new cart().setVisible(true);
}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new home().setVisible(true);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new login().setVisible(true);
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
    new computer().setVisible(true);    // TODO add your handling code here:
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new product().setVisible(true);
    }
});
```

---

# Computer Shop Management System

```
}  
}
```

## **BILL PAGE**

```
import com.mongodb.BasicDBObject;  
import com.mongodb.DB;  
import com.mongodb.DBCollection;  
import com.mongodb.DBCursor;  
import com.mongodb.DBObject;  
import com.mongodb.MongoClient;  
import java.net.UnknownHostException;
```

```
import java.lang.System.Logger;  
import java.lang.System.Logger.Level;  
import javax.swing.JOptionPane;
```

```
public class bill extends javax.swing.JFrame {
```

```
    /**
```

```
     * Creates new form bill
```

```
     */
```

```
    public bill() {
```

```
        initComponents();
```

```
        connection();
```

```
    }
```

```
        MongoClient mc;
```

```
        DBCollection coll ;
```

```
        DBCursor dc;
```

```
        public void connection(){
```

```
            mc = new MongoClient("localhost", 27017);
```

```
            DB db =mc.getDB("comp_shop");
```

```
            coll = db.getCollection("bill");
```

```
            System.out.println("connect");
```

```
        }
```

```
        private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
            // TODO add your handling code here:
```

```
        }
```

```
        private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
            // TODO add your handling code here:
```

```
        }
```

## Computer Shop Management System

```
private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    BasicDBObject db;
    try
    {
        db = new BasicDBObject("BILL_ID",jTextField1.getText());
        db.append("CUST_ID",jTextField2.getText());
        db.append("PRICE",jTextField4.getText());
        db.append("MODE_OF_PAYMENT",jComboBox1.getSelectedItem());
        db.append("QUANTITY",jTextField3.getText());
        db.append("DATE",jTextField5.getText());
        coll.insert(db);
        JOptionPane.showMessageDialog(this,"Record Stored in Database");

    }
    catch(Exception e)
    {

    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new home().setVisible(true);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
```

---

## Computer Shop Management System

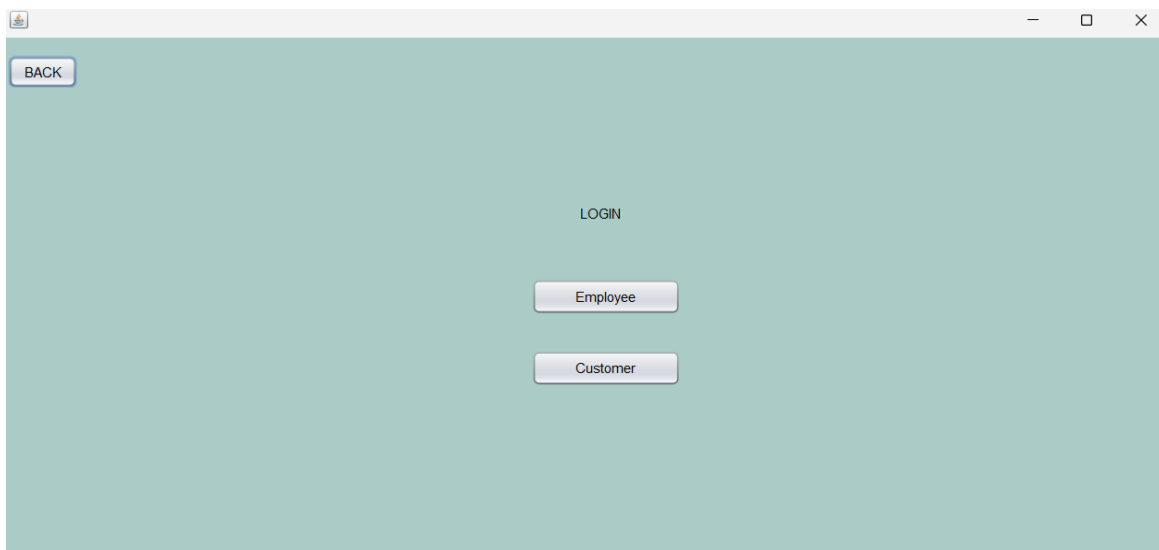
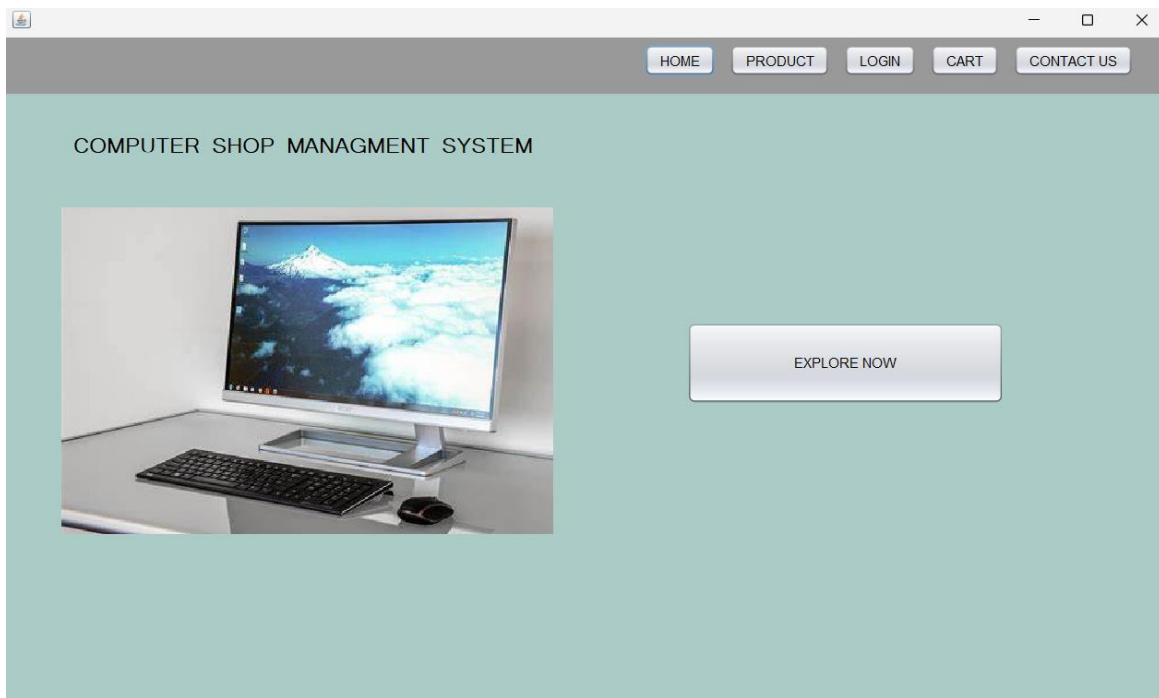
```
jTextField1.setText("");
jTextField2.setText("");
jTextField4.setText("");
jComboBox1.setSelectedItem("");
jTextField3.setText("");
jTextField5.setText("");
// TODO add your handling code here:
}

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new bill().setVisible(true);
    }
});
}

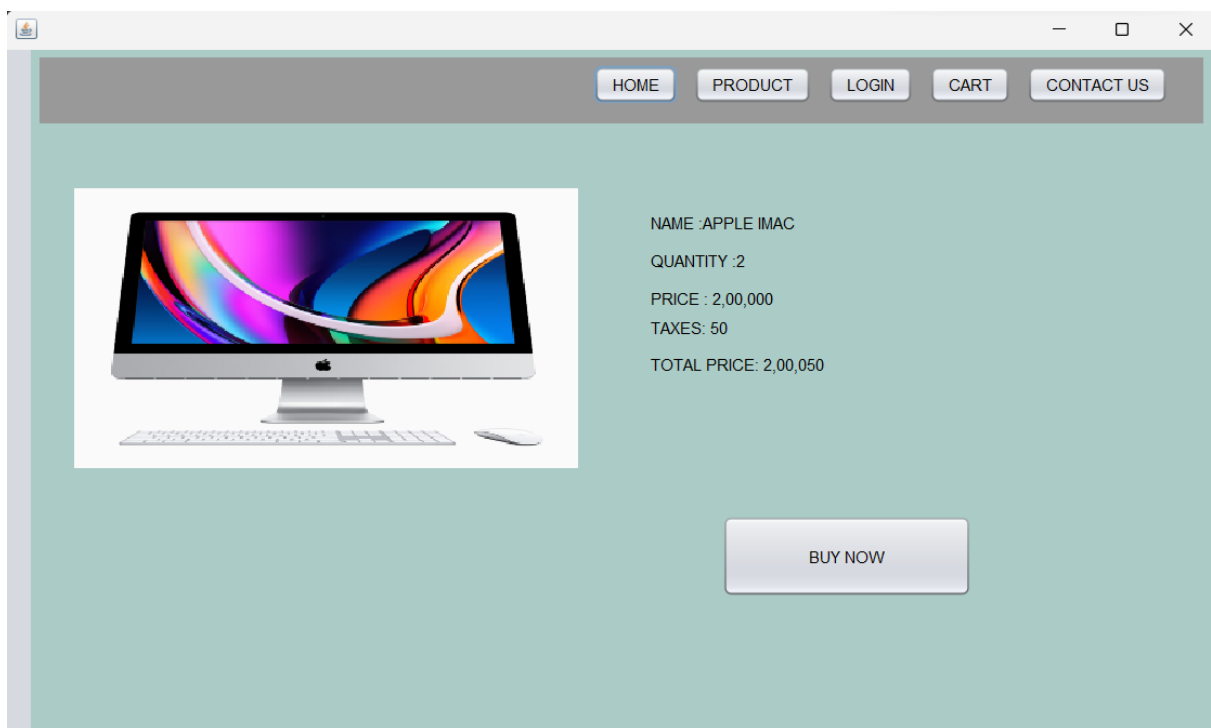
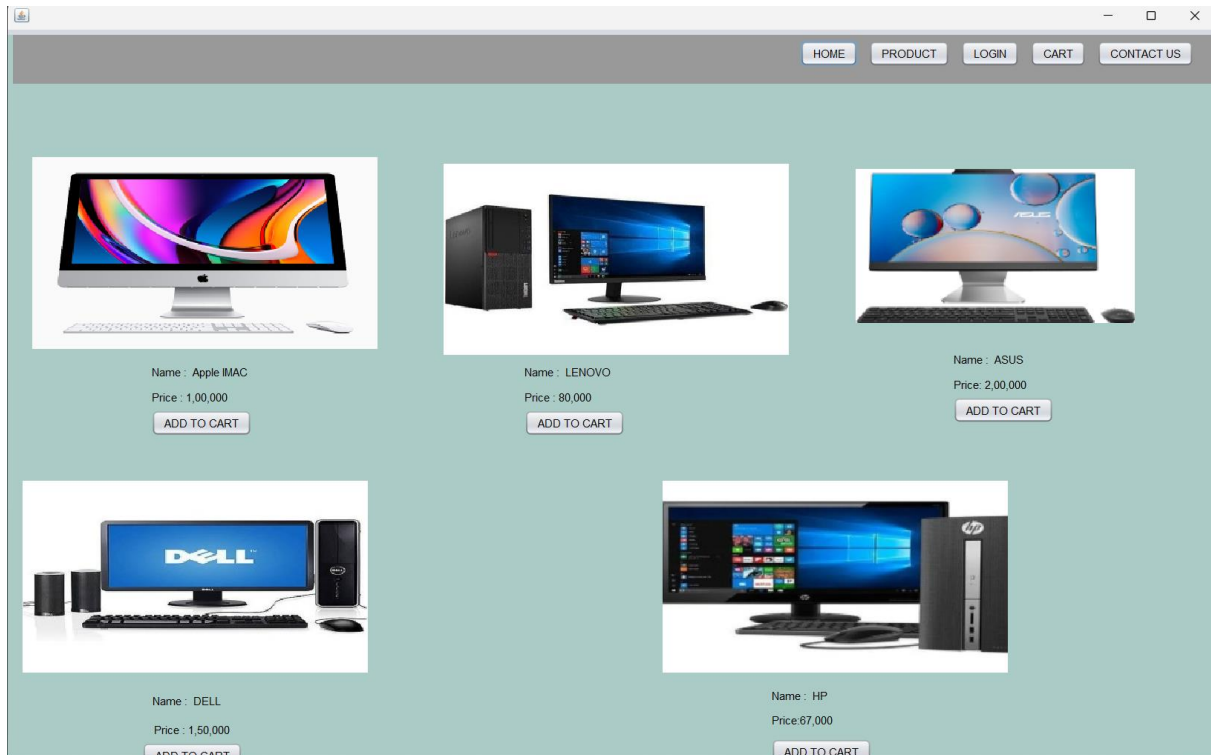
}
```

# Computer Shop Management System

## GRAPHICAL USER INTERFACE



# Computer Shop Management System



# Computer Shop Management System

BACK

EMPLOYEE REGISTRATION

ID

7

NAME

Piyush

AGE

18

GENDER

Male

CITY

Pune

MOBILE NO

27474626

Message

i

Record Stored in Database

OK

SUBMIT

CLEAR

BACK

BILL

COMPUTER\_BRAND

APPLE

BILL\_ID

CUST\_ID

PRICE

MODE\_OF\_PAYMENT

Cash

QUANTITY

DATE

SUBMIT

CLEAR




# Computer Shop Management System


BACK

## BILL

COMPUTER_BRAND	LENOVO
BILL_ID	4
CUST_ID	3
PRICE	100000
MODE_OF_PAYMENT	Cash
QUANTITY	1
DATE	20

 SUBMIT CLEAR

Message


 Record Stored in Database

OK


BACK

## CUSTOMER REGISTRATION

CUST_ID	6
NAME	Apurva
AGE	18
GENDER	Female
CITY	Pune
MOBILE_NO	1931084971
ADHAAR_NO	826744123412

 SUBMIT CLEAR

Message

 Record Stored in Database

OK


# Computer Shop Management System

BACK

## COMPUTER SPECIFICATIONS

c_id	10
comp_price	
brand	
RAM	
processor	
cpu_model	
comp_qty	
battery_life	
harddisk_inGB	

Message

 record deleted successfully

OK

ADD UPDATE SEARCH DELETE

CLEAR DISPLAY

BACK

## COMPUTER SPECIFICATIONS

c_id	11
comp_price	100000
brand	INTEL
RAM	128
processor	16
cpu_model	i9
comp_qty	1
battery_life	2
harddisk_inGB	4096

ADD UPDATE SEARCH DELETE

CLEAR DISPLAY

# Computer Shop Management System

## COMPUTER SPECIFICATIONS

c_id	<input type="text" value="11"/>
comp_price	<input type="text" value="100000"/>
brand	<input type="text" value="INTEL"/>
RAM	<input type="text" value="128"/>
processor	<input type="text" value="16"/>
cpu_model	<input type="text" value="i9"/>
comp_qty	<input type="text" value="1"/>
battery_life	<input type="text" value="2"/>
harddisk_inGB	<input type="text" value="4096"/>

## COMPUTER SPECIFICATIONS

c_id	<input type="text" value="11"/>
comp_price	<input type="text" value="1000"/>
brand	<input type="text" value="Dell"/>
RAM	<input type="text" value="8"/>
processor	<input type="text" value="64"/>
cpu_model	<input type="text" value="i10"/>
comp_qty	<input type="text" value="1"/>
battery_life	<input type="text" value="24"/>
harddisk_inGB	<input type="text" value="9"/>

# Computer Shop Management System

## CONCLUSION

The entire project has been developed and deployed as per the requirements stated by user, it is found to be bug free as per the testing standard that are implemented.

Computer does maximum work with in minimum time. Because it is used in every field so that it provides comfort and suitability to everyone. Providing maximum facilities and comfort to customers to customers is main goal of the firm. To achieve this goal, other modern facilities relating to computer should have to be provided.