INTRODUCTION

A bookstore lab mini project is a software development project aimed at creating a digital platform for managing and selling books. The project involves creating a web application that allows users to browse, search, and purchase books online. The platform should also have an inventory management system for tracking books in stock, adding new books to the catalog, and updating book information. Overall, the bookstore lab mini project is an exciting opportunity for students to learn web development and software engineering skills while creating a real-world application that can be used by customers to purchase books online.

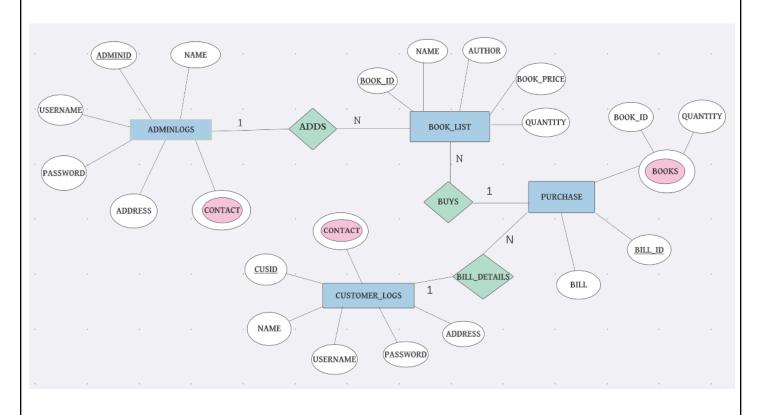
There are several needs and advantages of an online bookstore, some of which are:

- Convenience
- Wide range of books
- Quick delivery
- User reviews
- Eco-friendly

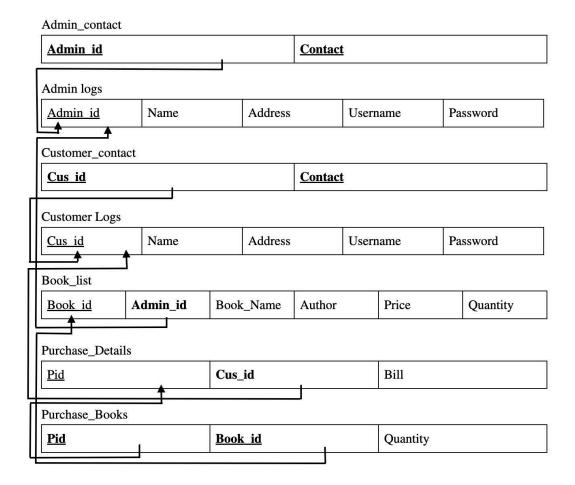
Overall, an online bookstore offers a convenient, cost-effective, and personalized shopping experience for customers, while also providing a larger selection of books and eliminating the need for physical travel.

We have used Swing in Java to design the frontend of our website because it is a plat-form independent, having a rich set of components and customizable look and feel.

ER DIAGRAM



RELATION SCHEMA MODEL



NORMALIZATION

Normalization is a process in database management that involves organizing data in a structured way to minimize data redundancy and ensure data integrity.

So we have used normalization to ensure improved data consistency, simplified database design, Efficient use of storage space etc.,

First Normal Form (1NF): No Multivalued Attribute

It states that an attribute of a table cannot hold multiple values. It must hold only single-valued Attributes.

First normal form disallows the multi-valued Attribute

Relation ADMIN is not in 1NF because of multi-valued attribute CONTACT. So relation ADMIN is divided into two relations namely Admin_Contact and AdminLogs. Similarly for CUSTOMER divided into CustomerLogs and Customer_Contact.

ADMIN

Table: AdminLogs

Columns:

Admin_id int PK

Name varchar(45) Address varchar(45) Username varchar(45)

Password varchar(45)

Table: Admin_Contact

Columns:

Adminid int PK

Contact varchar(45) PK

Admin_id	Name	Address	Username	Password
1	Sruthi	Coimbatore	sruthi	123
2	Abinaya	Permbalur	abi	123
NULL	NULL	NULL	NULL	NULL

	Adminid	Contact
	1	9876543219
	2	9876453210
	HULL	HULL

CUSTOMER

Table: CustomerLogs

Columns:

Cus_id int PK

Name varchar(45)

Address varchar(45) Username varchar(45)

Username varchar(45) Password varchar(45) Table: Customer_Contact

Columns:

cusid int PK

Contact varchar(45) PK

Cus_id	Name	Address	Username	Password
1	Sruthi	Coimbatore	sruthi	123
2	Karthika	Salem	karthika	123
3	Kavya	Kumbakonam	kavya	123
4	Divya	Coimbatore	divya	123
HULL	NULL	NULL	HULL	NULL

	cusid	Contact
>	1	9876543214
	2	9876543210
	3	9876543217
	4	8765432106
	NULL	NULL

PURCHASE

Table: Purchase_Books

Table: Purchase_details

Columns:

p_id int PKbookid int PKQuantity int

Columns:

Pid int PK
Cus_id int
Bill int

					NULL	HULL	NULL	
	NULL	NULL	NULL		7	107	2	
	7	1	1440		6	106	2	
	6	3	1380		5	105	1	
	5	1	200		4	104	1	
	4	1	1550		4	103	1	
	3	1	1550		3	101	1	
	2	1	1550		2	103	1	
▶	1	1	800	▶	1	101	1	
	Pid	Cus_id	Bill		p_id	bookid	Quantity	

SECOND NORMAL FORM

For a table to be in the Second Normal Form,

It should be in the First Normal form.

And, it should not have Partial Dependency.

All the tables satisfy the second normal form since it does not have partial dependency and also in the first normal form.

THIRD NORMAL FORM

A table is said to be in the Third Normal Form when,

It is in the Second Normal form.

And, it doesn't have Transitive Dependency

A relation is in third normal form if it holds at least one of the following conditions for every non-trivial functional dependency $X \to Y$.

X is a super key.

Y is a prime attribute, i.e., each element of Y is part of some candidate key. Hence, all the tables satisfy the third normal form.

CODE (ACTION LISTENERS)

```
Purchase action listener (Customer):
```

```
purchase.addActionListener(new ActionListener()
{
   public void actionPerformed(ActionEvent ae)
   {
      if (price != 0)
      {
        int y =0;
        String column[] = {"Book Name", "Author", "Price", "Qty"};
        String sel[] = {" ", " ", " ", " "};
        tableModel.insertRow(ind, sel);
      ind++;
      tableModel.insertRow(ind, sel);
```

```
ind++;
            String sel1[] = {" ", " ", "Bill Amount:", " "};
            sel1[3] = String.valueOf(price);
            tableModel.insertRow(ind, sel1);
            ind++;
            String[][] ss = new String[ind][4];
            for (int i = 0; i < ind; i++) {
               for (int j = 0; j < 4; j++) {
                 ss[i][j] = String.valueOf(jt2.getModel().getValueAt(i, j));
              }}
            try
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore", "root", "srma6997");
               for(int i = 0; i < ind - 3; i++)
                 int k=0;
                 for(int j=0; j<20; j++)
                    if(ret[i]==i)
                      k = j;
                    PreparedStatement st1 = con.prepareStatement("Update BookStore.Book list set
Quantity = ? where Book name = ?");
                    st1.setInt(1, quantity[k]);
                    st1.setString(2, ss[i][0]);
                    st1.executeUpdate();
               }
              con.close();
            catch(Exception e) {
              e.printStackTrace();
            }
            try{
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore", "root", "srma6997");
               Statement st1 = con.createStatement();
              ResultSet rs= st1.executeQuery("SELECT count(*) as c FROM BookStore.Purchase details");
               String s1 = "Insert into BookStore.Purchase details values (?,?,?)";
              PreparedStatement st=con.prepareStatement(s1);
              y = rs.getInt("c")+1;
               st.setInt(1,y);
```

```
st.setInt(2,cusids);
              st.setInt(3,price);
              st.executeUpdate();
              for(int z = 0; z < 20; z++) {
                 if(arr[z]>0) {
                    String s2 = "Insert into BookStore.Purchase_Books values (?,?,?)";
                    PreparedStatement st2 = con.prepareStatement(s2);
                    st2.setInt(1, y);
                    st2.setInt(2, bookids[z]);
                    st2.setInt(3,arr[z]);
                    st2.executeUpdate();
                 }}
              con.close();
            catch(Exception e){
              e.printStackTrace();
         try {
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
            String s = "SELECT * FROM BookStore.Book list order by Book id";
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery(s);
            int i = 0;
            while (rs.next()) {
              quantity[i] = rs.getInt("Quantity");
              bookids[i] = rs.getInt("Book id");
              i++;
            con.close();
         catch(Exception e)
            e.printStackTrace();
         jt1.getSelectionModel().clearSelection();
       }});
Submit action listener (Admin):
submit.addActionListener(new ActionListener()
```

```
public void actionPerformed(ActionEvent ae)
         try{
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore", "root", "srma6997");
            for(int j=0;j<enin;j++)
            {
              String s1 = "SELECT * FROM BookStore.Book list where Book name = ? order by
Book id";
              PreparedStatement st=con.prepareStatement(s1);
              st.setString(1,entries[i][0]);
              ResultSet rs = st.executeQuery();
              if(!rs.next())
                 int x = 0;
                 String s = "SELECT * FROM BookStore.Book list order by Book id";
                 Statement st2 = con.createStatement();
                 ResultSet rs2 = st2.executeQuery(s);
                 while(rs2.next())
                   x = rs2.getInt("Book id");
                 PreparedStatement st1=con.prepareStatement("Insert into BookStore.Book list
values(?,?,?,?,?)");
                 st1.setInt(1,x+1);
                 st1.setInt(2,adminids);
                 st1.setString(3,entries[j][0]);
                 st1.setString(4,entries[j][1]);
                 st1.setInt(5,Integer.parseInt(entries[j][2]));
                 st1.setInt(6,Integer.parseInt(entries[j][3]));
                 st1.executeUpdate();
               }
              else
                PreparedStatement st1=con.prepareStatement("Update BookStore.Book list set Quantity = ?
where Book name = ?");
              PreparedStatement st2=con.prepareStatement("Select * from BookStore.Book list where
       Book name = ?");
st2.setString(1,entries[j][0]);
              ResultSet rslt = st2.executeQuery();
              rslt.next();
              int d = Integer.parseInt(entries[j][3]) + rslt.getInt("Quantity");
              st1.setInt(1,d);
              st1.setString(2,entries[j][0]);
              st1.executeUpdate();
```

```
}}
           con.close();
           JOptionPane.showMessageDialog(f5, "Books added successfully", "Alert",
JOptionPane.INFORMATION MESSAGE);
         catch(Exception e)
            e.printStackTrace();
}});
Reset action listener (Admin):
    breset.addActionListener(new ActionListener()
       public void actionPerformed(ActionEvent ae)
         tableModel1.setRowCount(0);
         index 1 = 0;
         enin = 0;
         tableModel1.insertRow(index1, rowss);
         index1++;
         try {
           Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
            String s = "SELECT * FROM BookStore.Book list order by Book id";
            Statement st = con.createStatement();
           ResultSet rs = st.executeQuery(s);
            while (rs.next()) {
              String[] details = new String[4];
              details[0] = rs.getString("Book Name");
              details[1] = rs.getString("Author");
              details[2] = String.valueOf(rs.getInt("Book Price"));
              details[3] = String.valueOf(rs.getString("Quantity"));
              tableModel1.insertRow(index1, details);
              index1++;
            con.close();
         catch(Exception e)
            e.printStackTrace();
```

```
} });
Search page action listeners:
    rb71.addItemListener(new ItemListener(){
       public void itemStateChanged(ItemEvent e){
         try
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore", "root", "srma6997");
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("Select * from BookStore.Book list where Book price = (Select
min(book price) from BookStore.Book list)");
            rs.next();
            String sbn = "Book Name: " + rs.getString("Book Name");
            String sbp = "Book Price: " + rs.getInt("Book price");
            String set = sbn + "\n" + sbp;
            a71.setText(set);
            t71.setText("");
            t72.setText("");
            rb75.setSelected(true);
         catch(Exception ec)
            ec.printStackTrace();
          }} });
    rb72.addItemListener(new ItemListener(){
       public void itemStateChanged(ItemEvent e){
         try
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
            Statement st = con.createStatement();
            ResultSet rs = st.executeQuery("Select * from BookStore.Book list where Book price = (Select
max(book price) from BookStore.Book list)");
            rs.next();
            String sbn = "Book Name: " + rs.getString("Book Name");
            String sbp = " Book Price: " + rs.getInt("Book price");
            String set = sbn + "\n" + sbp;
            a71.setText(set);
            t71.setText("");
            t72.setText("");
```

```
rb75.setSelected(true);
         catch(Exception ec)
            ec.printStackTrace();
          }}});
    rb73.addItemListener(new ItemListener(){
       public void itemStateChanged(ItemEvent e) {
         rb75.setSelected(true);
         if (t71.getText().equals(""))
            JOptionPane.showMessageDialog(f7, "Enter required value", "Alert",
JOptionPane.INFORMATION MESSAGE);
         else {
            try
              Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore",
"root", "srma6997");
              PreparedStatement st = con.prepareStatement("Select * from BookStore.Book list where
Book Name like?");
              st.setString(1, t71.getText());
              ResultSet rs = st.executeQuery();
              String set = " ";
              while (rs.next())
                set += rs.getString("Book Name") + " - Rs. "+ rs.getString("Book Price") + "\n ";
              a71.setText(set);
              t72.setText("");
            } catch (Exception ec) {
              ec.printStackTrace();
         }}});
    rb74.addItemListener(new ItemListener(){
       public void itemStateChanged(ItemEvent e) {
         rb75.setSelected(true);
         if (t72.getText().equals(""))
            JOptionPane.showMessageDialog(f7, "Enter bill id ", "Alert",
JOptionPane.INFORMATION MESSAGE);
         else {
              Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore",
"root", "srma6997");
              PreparedStatement st = con.prepareStatement("Select Book Name,b1.Quantity from
BookStore.Book list b inner join BookStore.Purchase Books b1 on Book id = bookid where p id = ?");
              st.setInt(1, Integer.parseInt(t72.getText()));
```

```
ResultSet rs = st.executeQuery();
              String set = " ";
              while (rs.next()) {
                 set += rs.getString("Book Name") + " - " + rs.getString("Quantity") +"\n ";
              PreparedStatement st1 = con.prepareStatement("Select * from BookStore.Purchase details
where pid = ?");
              st1.setInt(1, Integer.parseInt(t72.getText()));
              ResultSet rs1 = st1.executeQuery();
              rs1.next();
              set += "Bill Amount: " + rs1.getInt("Bill");
              a71.setText(set);
              t71.setText("");
            } catch (Exception ec) {
              ec.printStackTrace();
    }} });
Login action listener:
login1.addActionListener(new ActionListener() {
       public void actionPerformed(ActionEvent ae) {
         //System.out.println(unt.getText() + String.valueOf(pwt.getPassword()));
         if (ch == "")
            JOptionPane.showMessageDialog(f1, "Please select the type of user", "Alert",
JOptionPane.INFORMATION MESSAGE);
         else if (ch.equals("Admin"))
            try
              int flag=0;
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
              String s = "SELECT * FROM BookStore.AdminLogs inner join BookStore.Admin Contact
on Adminid=Admin id";
              Statement st = con.createStatement();
              ResultSet rs = st.executeQuery(s);
              while (rs.next())
                 String u = rs.getString("Username");
                 String p = rs.getString("Password");
```

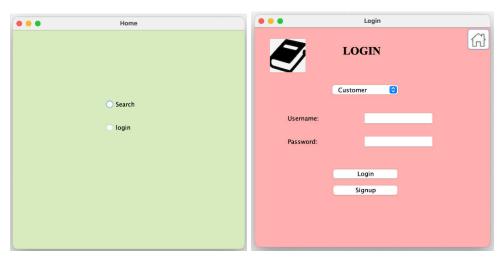
```
if(unt.getText().equals(u) && String.valueOf(pwt.getPassword()).equals(p))
                   contacttxt = rs.getString("Contact");
                   nametxt = rs.getString("Name");
                   adminids = rs.getInt("Admin id");
                   t51.setText(nametxt);
                   t52.setText(contacttxt);
                   flag=1;
              if(flag==1)
                 f1.setVisible(false);
                 f5.setSize(1000, 800);
                 f5.getContentPane().setBackground(color);
                 f5.setLayout(null);
                 f5.setVisible(true);
              }
              else
                 JOptionPane.showMessageDialog(f1, "Invalid UserName and Password", "Alert",
JOptionPane.INFORMATION MESSAGE);
              con.close();
            catch(Exception e)
              e.printStackTrace();
              tableModel1.insertRow(index1, rowss);
              index1++;
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
              String s = "SELECT * FROM BookStore.Book list order by Book id";
              Statement st = con.createStatement();
              ResultSet rs = st.executeQuery(s);
              while (rs.next()) {
                 String[] details = new String[4];
                 details[0] = rs.getString("Book Name");
                 details[1] = rs.getString("Author");
                 details[2] = String.valueOf(rs.getInt("Book Price"));
                 details[3] = String.valueOf(rs.getString("Quantity"));
```

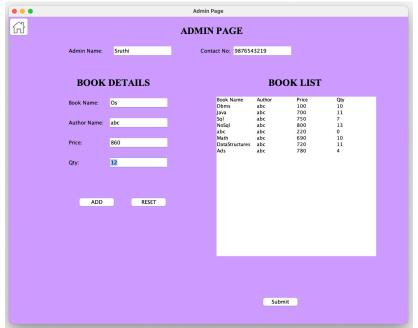
```
tableModel1.insertRow(index1, details);
                index 1++;
              con.close();
            catch(Exception e)
              e.printStackTrace();
         else if (ch.equals("Customer"))
            try {
              int flag=0;
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
              String s = "CREATE OR REPLACE VIEW Cus details AS SELECT
Cus_id,Name,Address,Username,Password,Contact FROM BookStore.CustomerLogs inner join
BookStore.Customer Contact on Cus id = cusid";
              Statement st = con.createStatement();
              st.executeUpdate(s);
              String s1 = "Select * from Cus_details";
              Statement st1 = con.createStatement();
              ResultSet rs = st1.executeQuery(s1);
              while (rs.next())
                String u = rs.getString("Username");
                String p = rs.getString("Password");
                if(unt.getText().equals(u) && String.valueOf(pwt.getPassword()).equals(p))
                   contacttxt = rs.getString("Contact");
                   nametxt = rs.getString("Name");
                   addresstxt = rs.getString("Address");
                   namet1.setText(nametxt);
                   contactt1.setText(contacttxt);
                   at1.setText(addresstxt);
                   cusids = rs.getInt("Cus id");
                   flag=1;
              if(flag==1)
                f1.setVisible(false);
```

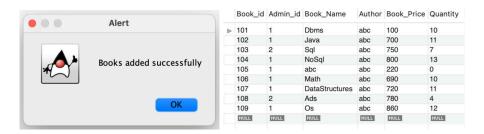
```
f3.setLayout(null);
                 f3.setSize(1000, 800);
                 f3.getContentPane().setBackground(lightblue);
                 f3.setVisible(true);
              else
                 JOptionPane.showMessageDialog(f1, "Invalid UserName and Password", "Alert",
JOptionPane.INFORMATION MESSAGE);
              con.close();
            catch(Exception e)
              e.printStackTrace();
            }
            try {
              price =0;
              tableModel.setRowCount(0);
              ind = 0:
              tableModel2.setRowCount(0);
              indi = 0;
              pt.setText("0");
              for (int i = 0; i < 20; i++)
                 ret[i] = -1;
                 arr[i] = 0;
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore", "root", "srma6997");
              String s = "SELECT * FROM BookStore.Book list order by Book id";
              Statement st = con.createStatement();
              ResultSet rs = st.executeQuery(s);
              int y = 0;
              while (rs.next()) {
                 String[] details = new String[4];
                 details[0] = rs.getString("Book Name");
                 details[1] = rs.getString("Author");
                 details[2] = String.valueOf(rs.getInt("Book Price"));
                 details[3] = String.valueOf(rs.getInt("Quantity"));
                 tableModel2.insertRow(indi, details);
                 quantity[indi] = Integer.parseInt(details[3]);
                 p[indi] = Integer.parseInt(details[2]);
```

```
indi++:
                 bookids[y] = rs.getInt("Book id");
              con.close();
            catch(Exception e)
              e.printStackTrace();
     }}});
Signup Action Listener:
signup2.addActionListener(new ActionListener() {
       public void actionPerformed(ActionEvent ae) {
         String s = "";
         if (unt1.getText().equals(s) || String.valueOf(pwt1.getPassword()).equals(s) || ct.getText().equals(s) ||
namet.getText().equals(s) || at.getText().equals(s)) {
            JOptionPane.showMessageDialog(f2, "Please fill the required values", "Alert",
JOptionPane.INFORMATION MESSAGE);
         else {
            try {
              Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/BookStore","root","srma6997");
              Statement st1 = con.createStatement();
              ResultSet rs= st1.executeQuery("SELECT count(*) as c FROM BookStore.CustomerLogs");
              rs.next();
              String s1 = "Insert into BookStore.CustomerLogs values (?,?,?,?)";
              PreparedStatement st=con.prepareStatement(s1);
              st.setInt(1,rs.getInt("c")+1);
              st.setString(2,namet.getText());
              st.setString(3,at.getText());
              st.setString(4,unt1.getText());
              st.setString(5,String.valueOf(pwt1.getPassword()));
              st.executeUpdate();
              String s2 = "Insert into BookStore.Customer Contact values (?,?)";
              PreparedStatement st2=con.prepareStatement(s2);
              st2.setInt(1,rs.getInt("c")+1);
              st2.setString(2,ct.getText());
              st2.executeUpdate();
```

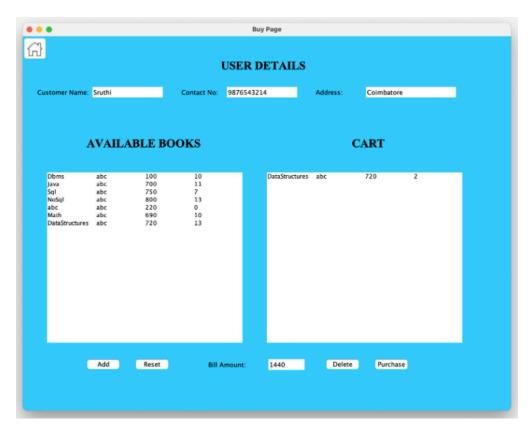
SCREENSHOT OF OUTPUT





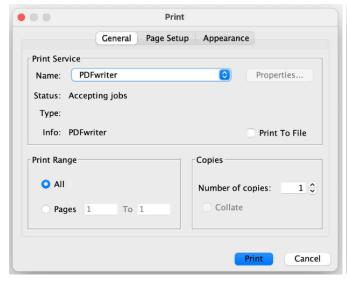


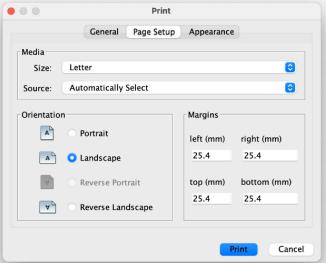


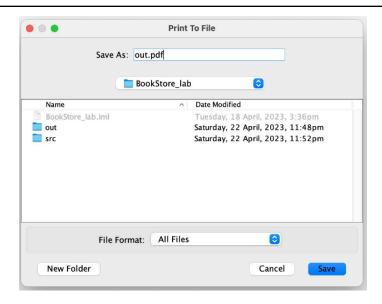






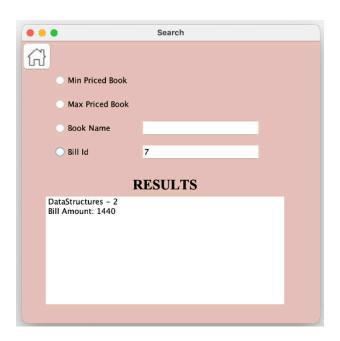






Bill

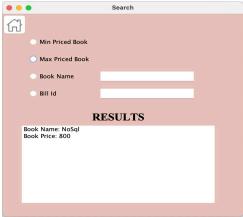
DataStructures	abc	720	2	
		Bill Amount:	1440	



SCREENSHOT OF THE OUTPUT FOR SQL OPERATION

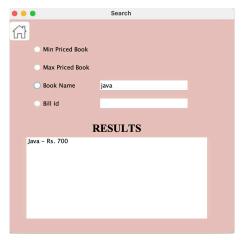
MAX AND SUBQUERY

```
Connection con = DriverManager.getConnection( url: "jdbc:mysql://localhost:3386/BookStore", user: "root", password: "srma6997");
Statement st = con.createStatement();
ResultSet rs = st.executeQuery( sq: "Select * from BookStore.Book_list where Book_price = (Select max(book_price) from BookStore.Book_list)");
rs.next();
String sbn = " Book Name: " + rs.getString( columnLabel: "Book_Name");
String sbp = " Book Price: " + rs.getInt( columnLabel: "Book_price");
String set = sbn + "\n" + sbp;
a71.setText(set);
t71.setText("");
t72.setText("");
rb75.setSelected(true);
```



LIKE

```
Connection con = DriverManager.getConnection( url: "jdbc:mysql://localhost:3306/BookStore", user: "root", password: "srma6997");
PreparedStatement st = con.prepareStatement( sql: "Select * from BookStore.Book_list where Book_Name like ? ");
st.setString( parameterIndex: 1, t71.getText());
ResultSet rs = st.executeQuery();
String set = " ";
while (rs.next())
    set += rs.getString( columnLabel: "Book_Name") + " - Rs. "+ rs.getString( columnLabel: "Book_Price") + "\n " ;
a71.setText(set);
t72.setText("");
con.close();
```



MIN AND SUBQUERY

```
Connection con = DriverManager.getConnection( unit "jdbc:mysql://localhost:3386/BookStore", user: "root", password: "srma6997");

Statement st = con.createStatement();

ResultSet rs = st.executeQuery( sql: "Select * from BookStore.Book_list where Book_price = (Select min(book_price) from BookStore.Book_list)");

rs.next();

String sbn = "Book Name: " + rs.getString( columnLabel: "Book_Name");

String sbp = "Book Price: " + rs.getInt( columnLabel: "Book_price");

String set = sbn + "\n" + sbp;

a71.setText(set);
t71.setText("");
rb75.setSelected(true);
```



INNER JOIN

```
Connection con = BriverManager.getConnection( unt "jdbc:mysql://localhost:3386/BookStore", user "root", password: "spmg6997");

PreparedStatement st = con.prepareStatement( sd: "Select Book_Name,bl.Quantity from BookStore.Book_list b inner join BookStore.Purchase_Books bl on Book_id = bookid where p_id = ?");

st.selInt( parameterIndex: 1, Integer.parseInt(t72.getText()));

ResultSet rs = st.executeQuery();

String set = "";

while (rs.next()) {

    set rs -rs.getString( columnLabel: "Book_Name") + " - " + rs.getString( columnLabel: "Quantity") + "\n ";

}

PreparedStatement stl = con.prepareStatement( sd: "Select * from BookStore.Purchase_details where pid = ?");

stl.setInt( parameterIndex: 1, Integer.parseInt(t72.getText()));

ResultSet rsl = stl.executeQuery();

rsl.next();

set += "Bill Amount: " + rsl.getInt( columnLabel: "Bill");

a71.setText("set);

t71.setText("");

con.close();
```



INDEX

1 • create index index1 on BookStore.CustomerLogs(Username);



INSERT STATEMENT

```
PreparedStatement st1=con.prepareStatement( sq!: "Insert into BookStore.Book_list values(?,?,?,?,?)");
st1.setInt( parameterIndex: 1, x: x+1);
st1.setString( parameterIndex: 2,adminids);
st1.setString( parameterIndex: 3,entries[j][0]);
st1.setString( parameterIndex: 4,entries[j][1]);
st1.setInt( parameterIndex: 5,Integer.parseInt(entries[j][2]));
st1.setInt( parameterIndex: 6,Integer.parseInt(entries[j][3]));
st1.executeUpdate();
```

UPDATE STATEMENT

```
PreparedStatement st1=con.prepareStatement( sql: "Update BookStore.Book_list set Quantity = ?
st1.setInt( parameterIndex: 1,Integer.parseInt(entries[j][3]));
st1.setInt( parameterIndex: 2,adminids);
st1.setString( parameterIndex: 3,entries[j][0]);
st1.executeUpdate();
```

COUNT

SELECT count(*) as c FROM BookStore.CustomerLogs;



```
AL 48 #2 2 5

mobile void action/reformed(action(most as) {
    point void action/reformed(action(most as) {
        string = "";
        if (unit_setText().equals(s) || String_volume/(poil_setTextmost).equals(s) || const._setText().equals(s) || description(setText().equals(s) || description(s) || description(setText().equals(s) || description(setText().equals(s)
```

VIEW

CREATE OR REPLACE VIEW Cus_details AS SELECT Cus_id, Name, Address, Username, Password, Contact FROM BookStore. CustomerLogs inner join BookStore. Customer_Contact on Cus_id = cusid; Select * from Cus_details;

```
Int flaged;

Connection on * Briverhanger.getConnection( will "jdc:nysql://localhost:338e/BookStore", well

Facing s = "CREATE OR REPLACE VIEW Cus_cetalis AS SELECT Cus_id_Name, Address, Username, Password, Contact FROM BookStore, Customer.cgs inner join BookStore, Customer.contact on Cus_id * cusid*,

Statement st = con.creatStatement();

Strings s = "Silect * From Cus_details*;

Statement is in con.creatStatement();

SeaultSt r = stl.executeQuary(st);

abile (rs.next())

{

    Contactts + rs.getString( communated "Password");

    if(ont.getTrax().equals(s) SE String valueDf(pat.setTassword()).equals(p))

{
        contactt + rs.getString( communated "Password");

        namett + rs.getString( communated "Address');

        rest + rs.getString( communated "Address');

        namett + rs.getString( communated "Address');

        rest + rs.getString( communated "Address');
```

	Cus_id	Name	Address	Username	Password	Contact
⊳	1	Sruthi	Coimbatore	sruthi	123	9876543214
	2	Karthika	Salem	karthika	123	9876543210
	3	Kavya	Kumbakonam	kavya	123	9876543217
	4	Divya	Coimbatore	divya	123	8765432106