Development of Enterprise Applications

Coursework
2020

NSBM
GREEN
UNIVERSITY
TOWN

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Acknowledgement

In planning of our task we needed to take the assistance and direction of some regarded people, who merit our most profound appreciation as the finish of this task gave us much joy, we might want to show our appreciation to Mr. Chaminda Wijesinghe for giving us a decent rule all through various counsels. We might likewise want to consume our appreciation every one of the individuals who have straightforwardly and by implication guided us in finishing this task.

Table of contents

Introduction

There are few types of JEWELLERY SELLING Systems that you can buy a jewellery without wasting your time on a jewellery shops. Our Project is based on an Online jewellery selling System. A simple user-friendly system that people can choose their favourite jewellery. In this Website there will be two parties accessing this website

- Admin
- User

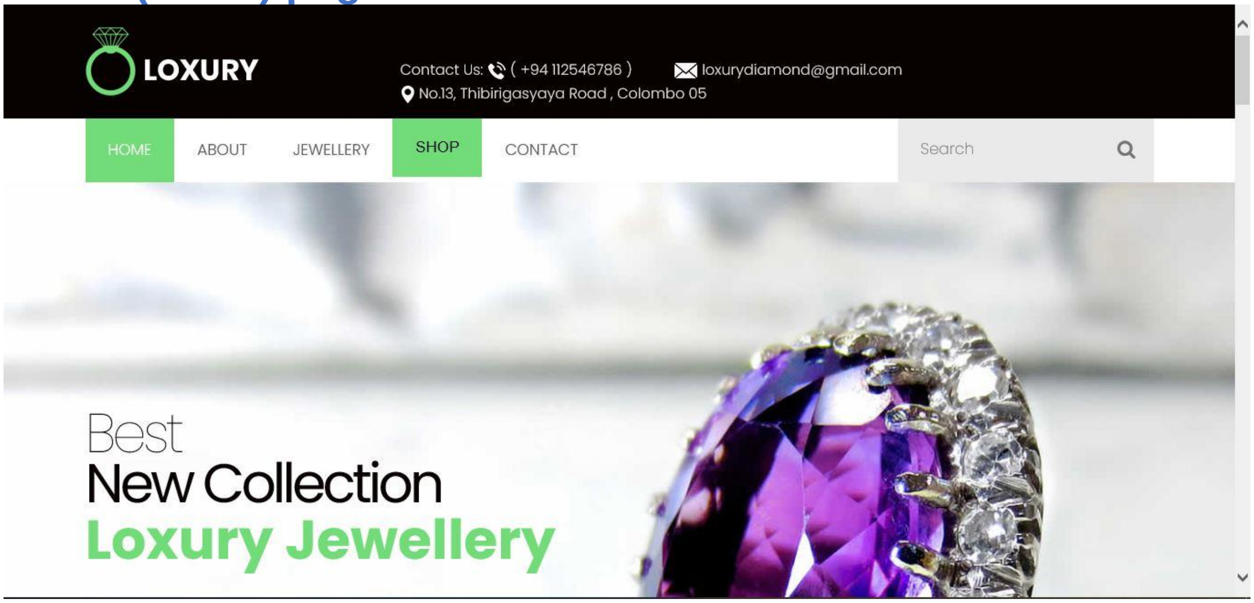
Admin is the administrative party that Creates items and handles the website. So, the users can visit the website and few simple steps they can purchase jewellery they like that’s suitable for their items. There are few types of jewellery buying Systems that you can select the jewelleries without wasting your time on a shops. A simple user-friendly system that people can select the jewelleries as they wish…

Technologies that used

- ✓ Net beans 8.2
- ✓ Xampp My sql server
- ✓ JSP
- ✓ Servlet
- ✓ Html,Css,JS

Screenshots

Home (Index) page

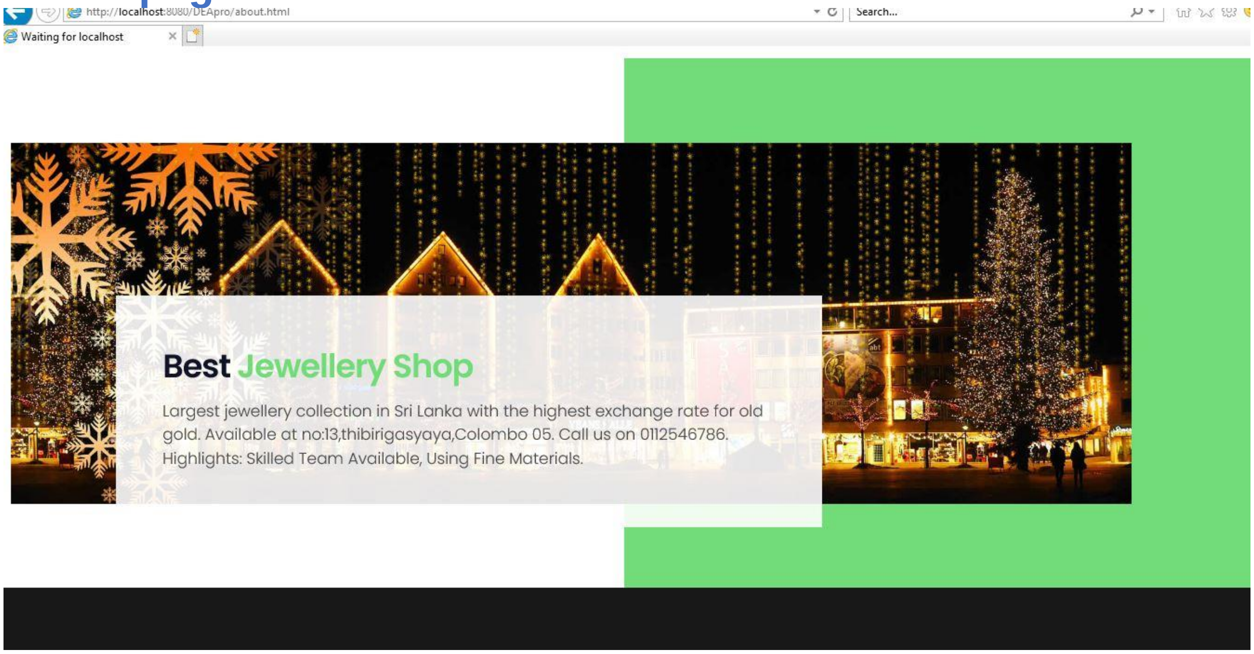


Contact Us: (+94 112546786) loxurydiamond@gmail.com

No.13, Thibirigasyaya Road , Colombo 05

Best
New Collection
Loxury Jewellery

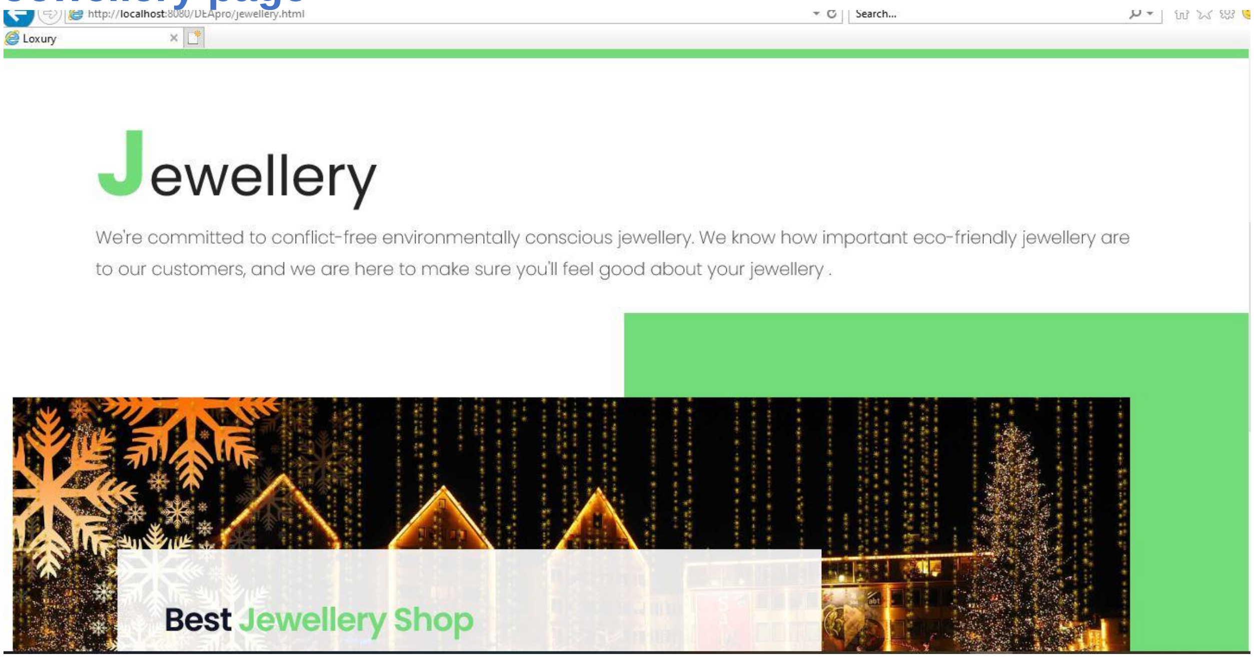
About page



Best Jewellery Shop

Largest jewellery collection in Sri Lanka with the highest exchange rate for old gold. Available at no:13,thibirigasyaya,Colombo 05. Call us on 0112546786. Highlights: Skilled Team Available, Using Fine Materials.

Jewellery page



http://localhost:8080/DEApro/jewellery.html

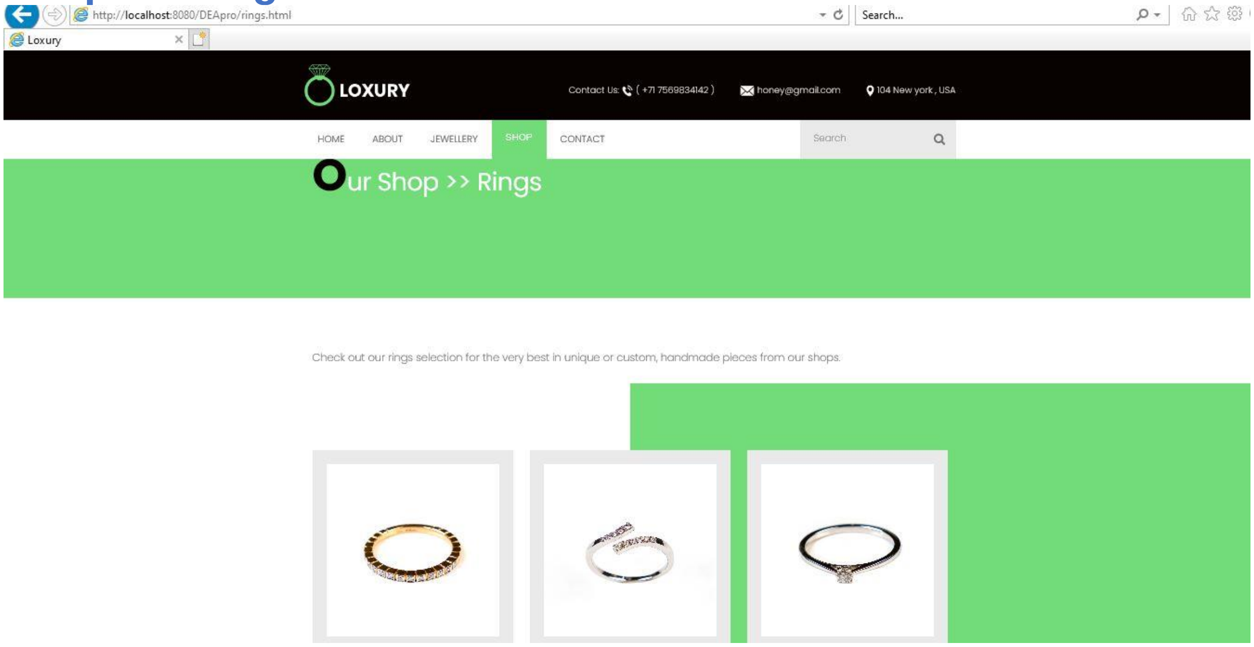
Search...

Loxury

Jewellery

We're committed to conflict-free environmentally conscious jewellery. We know how important eco-friendly jewellery are to our customers, and we are here to make sure you'll feel good about your jewellery .

Shop >> Rings



http://localhost:8080/DEApro/rings.html

Search...

Loxury

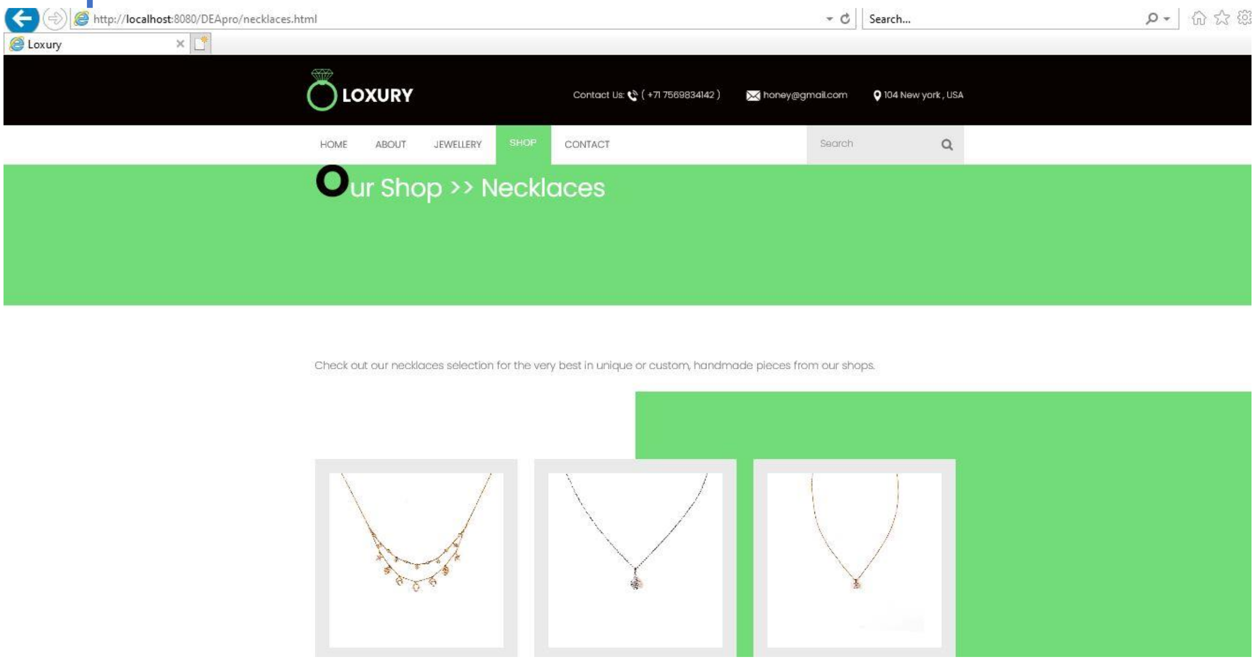
LOXURY

Contact Us: (+71 7569834142) honey@gmail.com 104 New york , USA

Our Shop >> Rings

Check out our rings selection for the very best in unique or custom, handmade pieces from our shops.

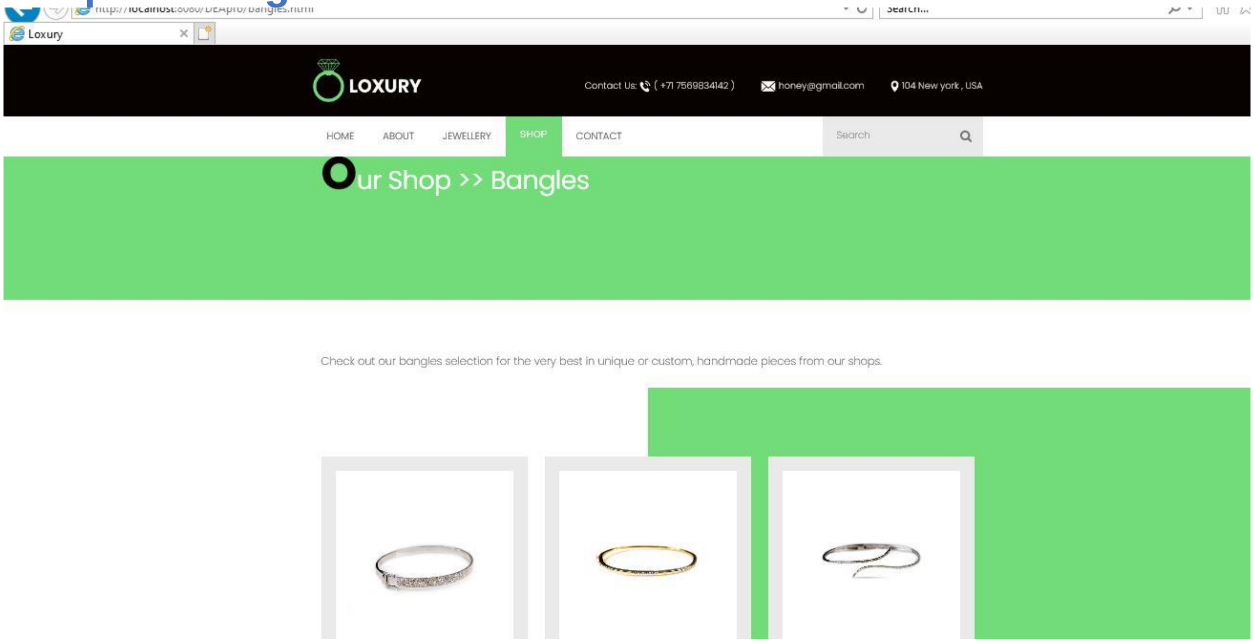
Shop >> Pendants & Necklaces



Our Shop >> Necklaces

Check out our necklaces selection for the very best in unique or custom, handmade pieces from our shops.

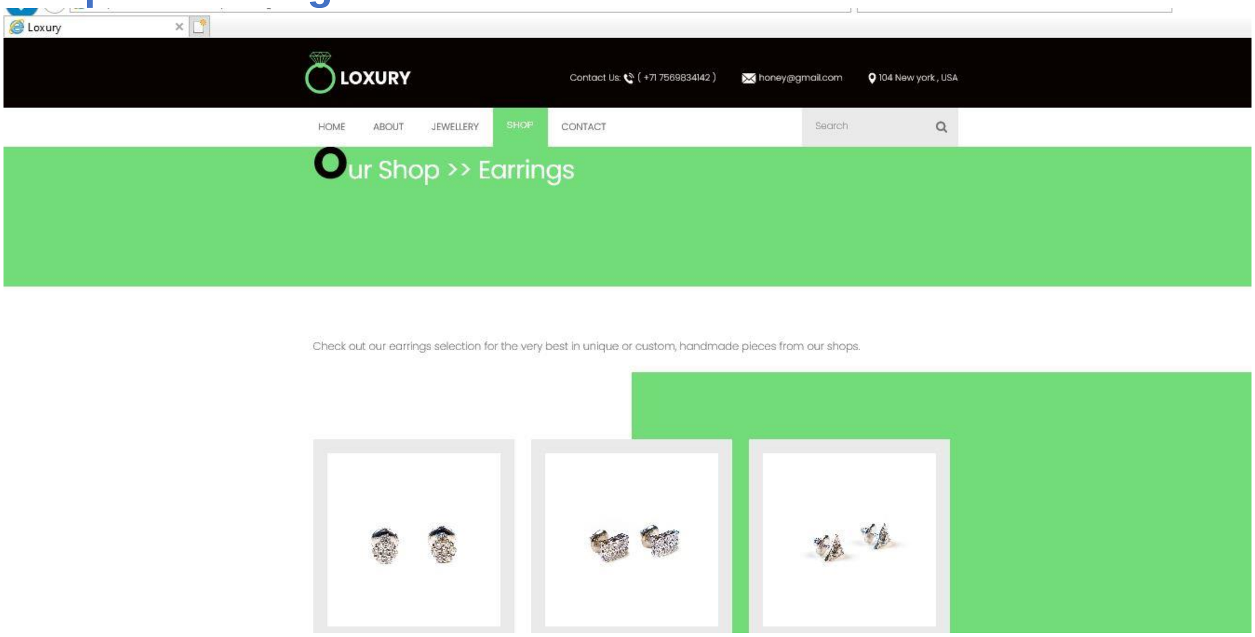
Shop >> Bangles



Our Shop >> Bangles

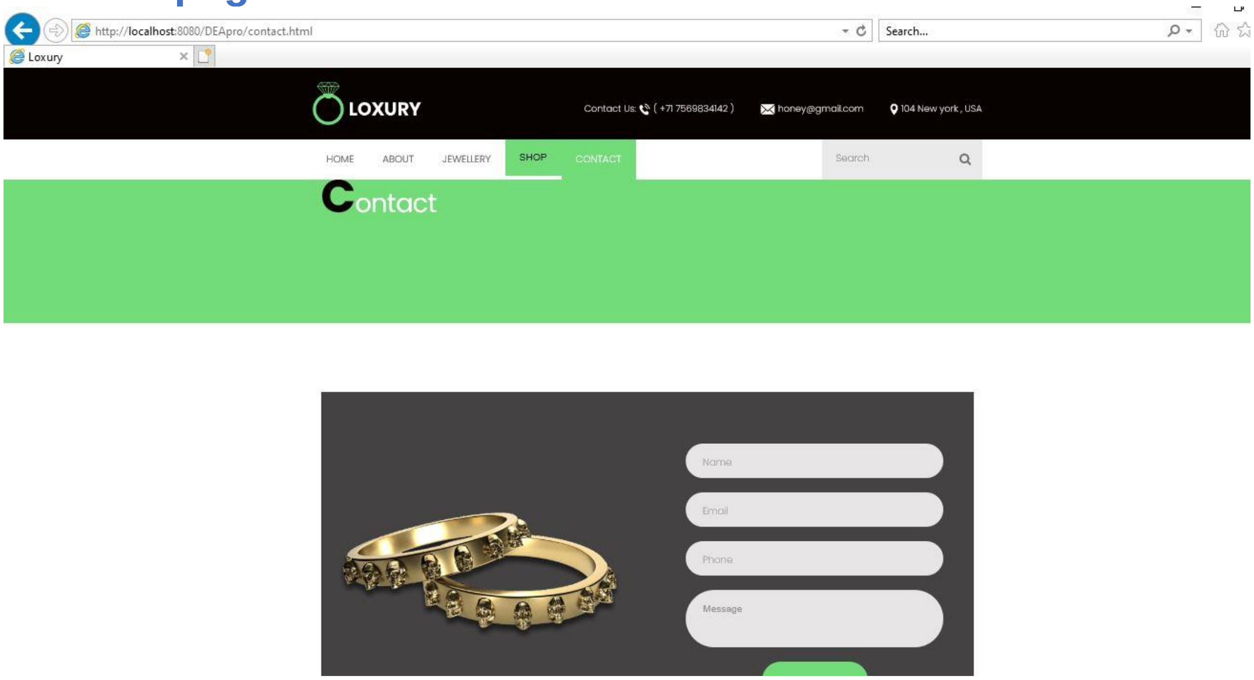
Check out our bangles selection for the very best in unique or custom, handmade pieces from our shops.

Shop >> Earrings

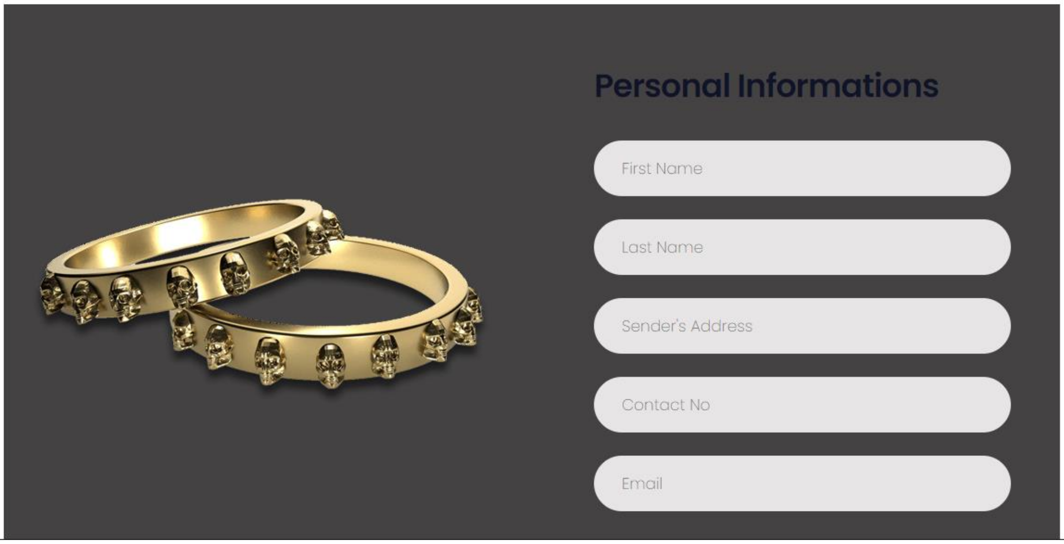


Check out our earrings selection for the very best in unique or custom, handmade pieces from our shops.

Contact page



Place your order page



Personal Informations

First Name

Last Name

Sender's Address

Contact No

Email

CODE

Form.jsp

```
<!DOCTYPE
html>
            <html lang="en">
               <!-- Basic -->
               <meta charset="utf-8">
               <meta http-equiv="X-UA-Compatible" content="IE=edge">
               <!-- Mobile Metas -->
               <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
            fit=no">
               <!-- Site Metas -->
               <title>Loxury</title>
               <meta name="keywords" content="">
               <meta name="description" content="">
               <meta name="author" content="">
               <!-- site icon -->
               <link rel="icon" href="images/fevicon.png" type="image/png" />
               <!-- Bootstrap core CSS -->
               <link href="css/bootstrap.css" rel="stylesheet">
               <!-- FontAwesome Icons core CSS -->
               <link href="css/font-awesome.min.css" rel="stylesheet">
               <!-- Custom animate styles for this template -->
               <link href="css/animate.css" rel="stylesheet">
               <!-- Custom styles for this template -->
               <link href="style.css" rel="stylesheet">
               <!-- Responsive styles for this template -->
               <link href="css/responsive.css" rel="stylesheet">
               <!-- Colors for this template -->
               <link href="css/colors.css" rel="stylesheet">
               <!-- light box gallery -->
               <link href="css/ekko-lightbox.css" rel="stylesheet">

               <script >
                 function notnull(){
                  if(document.form.FirstName.value.length<1)
              {
                window.alert("The first name is missing");
              }
              if(document.form.LastName.value.length<1)
              {
                window.alert("The Last name is missing");
              }
              if(document.form.SAddress.value.length<1)
              {
                window.alert("The Senders address is missing");
              }
              if(document.form.ContactNo.value.length<1)
              {
                window.alert("The contact number is missing");
              }
              if(document.form.email.value.length<1)
              {
                window.alert("The email is missing");
              }
              if(document.form.cardno.value.length<1)
              {
                window.alert("The first name is missing");
              }
              if(document.form.Edate.value.length<1)
              {
                window.alert("The Expire date is missing");
              }
              if(document.form.CVV.value.length<1)
              {
                window.alert("The cvv is missing");
              }
              if(document.form.DAddress.value.length<1)
              {
                window.alert("The Delivery Address name is missing");
              }
              if(document.form.province.value.length<1)
              {
                window.alert("The province is missing");
              }
              if(document.form.postalcode.value.length<1)
              {
                window.alert("The postal code is missing");
              }
                 }

               </script>
               <!--[if lt IE 9]>
```

```
   <script
src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
   <script
src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
   <![endif]-->
   </head>
   <body id="shop" class="shop_page">
      <!-- loader -->
      <div id="preloader">
         <img class="preloader" src="images/logo.png" alt="#">
      </div>
      <!-- end loader -->
      <!-- header -->
      <header class="header">
        <div class="header_top_section">
           <div class="container">
              <div class="row">
               <div class="col-lg-3">
                  <div class="full">
                     <div class="logo">
                        <a href="index.html"><img src="images/logo.png" alt="#"
/></a>
                     </div>
                  </div>
               </div>
               <div class="col-lg-9 site_information">
                  <div class="full">
                      <div class="top_section_info">
                         <ul>
                           <li>Contact Us: <img src="images/i1.png" alt="#" /> <a
href="#">( +71 7569834142 )</a></li>
                           <li><img src="images/i2.png" alt="#" /> <a
href="#">honey@gmail.com</a></li>
                           <li><img src="images/i3.png" alt="#" /> <a href="#">104
New york , USA</a></li>
                        </ul>
                      </div>
                  </div>
               </div>
            </div>
           </div>
        </div>
        <div class="header_bottom_section">
```

```
<div class="container">

  <div class="row">
      <div class="col-md-12">
         <div class="full ">
            <div class="main_menu">
               <nav class="navbar navbar-inverse navbar-toggleable-md">
                  <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#cloapediamenu" aria-controls="cloapediamenu" aria-expanded="false" aria-label="Toggle navigation">
                  <span class="float-left">Menu</span>
                  <span class="float-right"><i class="fa fa-bars"></i> <i class="fa fa-close"></i></span>
                  </button>
                  <!--<div class="collapse navbar-collapse justify-content-md-center" id="cloapediamenu">
                     <ul class="navbar-nav">
                        <li class="nav-item">
                           <a class="nav-link" href="index.html">Home</a>
                        </li>
                        <li class="nav-item">
                           <a class="nav-link color-aqua-hover" href="about.html">About</a>
                        </li>
                        <li class="nav-item">
                           <a class="nav-link color-aqua-hover" href="jewellery.html">Jewellery</a>
                        </li>
                        <li class="nav-item">
                           <a class="nav-link color-grey-hover" href="shop.html">Shop</a>
                        </li>
                        <li class="nav-item active">
                           <a class="nav-link color-grey-hover" href="contact.html">Contact</a>
                        </li>
                     </ul>
                  </div>-->
               </nav>
            </div>
            <!--<div class="search_bar">
               <form action="index.html">
                  <input type="text" class="search_field"
```

```
placeholder="Search" required="" />
                           <button class="search_button" type="button"><i
class="fa fa-search"></i></button>
                        </form>
                     </div>-->
                  </div>
               </div>
            </div>
         </div>
      </header>
      <!-- end header -->
       <!-- inner page -->
      <section class="innerpage_banner">
         <div class="container">
            <div class="row">
               <div class="col-sm-12">
                  <div class="full">
                     <div class="page_title">
                        <div class="full heading_s1">
                           <h2><span>Place Your Order</span></h2>
                        </div>
                     </div>
                  </div>
               </div>
            </div>
         </div>
      </section>
      <!-- end inner page -->
      <!-- section -->
      <section class="layout_padding section padding_bottom_0">
         <div class="container">
           <div class="row">
               <div class="col-md-12">
                  <div class="contact_section margin_top_30">
                     <div class="row">
                        <div class="col-md-6">
                            <div class="gold_con">
                               <img src="images/gold_c.png" alt="#" />
                            </div>
                        </div>
                        <div class="col-md-6">
                           <div class="form_cont">
                               <form action="index.html" name="form"
```

```
method="post">
                                  <fieldset>
                                    <div class="field">
                                      <h3>Personal Informations</h3>
                                    </div>
                                     <div class="field">
                                        <input type="text" name="First name" 
placeholder="First Name" />
                                     </div>
                                     <div class="field">
                                       <input type="text" name="Last name" 
placeholder="Last Name" />
                                    </div>
                                     <div class="field">
                                        <input type="text" name="address" 
placeholder="Sender's Address" />
                                     </div>
                                     <div class="field">
                                        <input type="text" name="phone" 
placeholder="Contact No" />
                                     </div>
                                     <div class="field">
                                       <input type="email" name="email" 
placeholder="Email" />
                                    </div>
                                    <div class="field">
                                       <br><br>
                                     <h3>PAYMENT Informations</h3>

                                    </div>
                                    <div class="field">
                                       <input type="text" name="Card number" 
placeholder="Card Number" />
                                    </div>
                                    <div class="minifield">
                                     <table>
                                        <tr>
                                       <td>
                                          <input type="month/year" name="MM/YY" 
placeholder="MM/YY" />
                                       </td>
                                       <td>
                                          &nbsp &nbsp &nbsp &nbsp
                                          &nbsp &nbsp &nbsp &nbsp
                                          &nbsp &nbsp &nbsp &nbsp
                                          &nbsp &nbsp &nbsp &nbsp
                                       </td>
                                       <td>
                                       <input type="text" name="CVV"
placeholder="CVV" />
                                       </td>>
                                    </tr>
                                    </table>
                                    </div>
                                    <div class="field">
                                       <br><br>
                                     <h3>Delivery Informations</h3>

                                    </div>

                                    <div class="field">
                                       <input type="text" name="Address"
placeholder="Devivery Address" />
                                    </div>
                                    <div class="field">
                                       <input type="text" name="Province"
placeholder="Province" />
                                    </div>
                                    <div class="field">
                                       <input type="text" name="code"
placeholder="Postal Code" />
                                    </div>
                                    <div class="field">
                                       <br>
                                       Quantity: <input type="number"
name="Quantity" placeholder="1" />
                                    </div>



                                       <button>Checkout</button>
                                  </fieldset>
                               </form>
                           </div>
                        </div>
                     </div>
```

```
                  </div>
               </div>
            </div>
         </div>
      </section>
      <!-- end section -->
      <!-- footer -->
      <footer class="footer layout_padding">
         <div class="container">
            <div class="row">
               <div class="col-md-3 col-sm-12">
                  <a href="index.html"><img class="img-responsive"
src="images/logo_footer.png" alt="#" /></a>
               </div>
               <div class="col-md-3 col-sm-12">
                  <div class="footer_link_heading">
                     <h3>Address</h3>
                  </div>
                  <div class="address_infor">
                     <p>
                        <span class="icon"><img src="images/location_icon.png"
alt="#" /></span>
                        <span class="addrs">No.13, Thibirigasyaya Road , Colombo
05</span>
                     </p>
                  </div>
               </div>
               <div class="col-md-3 col-sm-12">
                  <div class="footer_link_heading">
                     <h3>Social Link</h3>
                  </div>
                  <div class="social_icon">
                    <ul>
                       <li><a href="#"><img src="images/fb.png" alt="#"
/></a></li>
                       <li><a href="#"><img src="images/tw.png" alt="#"
/></a></li>
                       <li><a href="#"><img src="images/gp.png" alt="#"
/></a></li>
                       <li><a href="#"><img src="images/in.png" alt="#"
/></a></li>
                    </ul>
                  </div>
               </div>

               <div class="col-md-3 col-sm-12">
                  <div class="footer_link_heading">
                     <h3>Newsletter</h3>
                  </div>
                  <div class="email_address_bottom">
                     <form>
                        <fieldset>
                           <div class="field_email">
                              <input type="email" name="email" placeholder="Enter
Your Email">
                              <button><i class="fa fa-search"></i></button>
                           </div>
                        </fieldset>
                     </form>
                  </div>
               </div>
            </div>
         </div>
      </footer>
      <div class="cpy">
        <div class="container">
           <div class="row">
             <div class="col-md-12">
               <p>© 2019 All Rights Reserved.</p>
             </div>
           </div>
        </div>
      </div>
      <!-- end footer -->
      <!-- Core JavaScript
         ================================================== -->
      <script src="js/jquery.min.js"></script>
      <script src="js/tether.min.js"></script>
      <script src="js/bootstrap.min.js"></script>
      <script src="js/parallax.js"></script>
      <script src="js/animate.js"></script>
      <script src="js/ekko-lightbox.js"></script>
      <script src="js/custom.js"></script>
      <script src="js/form.js" ></script>
   </body>
</html>
```

Servlet

```
protected void
processRequest(
HttpServletRequ
est request,
HttpServletResp
onse response)
                               throws ServletException, IOException, ClassNotFoundException,
                   SQLException {
                           response.setContentType("text/html;charset=UTF-8");
                           try (PrintWriter out = response.getWriter()) {

                               String fname = request.getParameter("First name");
                               String lname = request.getParameter("Last name");
                               String address = request.getParameter("address");
                               int phone = Integer.parseInt(request.getParameter("phone"));
                               String email = request.getParameter("email");
                               int cardno = Integer.parseInt(request.getParameter("Card
                   number"));
                               int exdate = Integer.parseInt(request.getParameter("MM/YY"));
                               int cvv = Integer.parseInt(request.getParameter("CVV"));
                               String shipAdd = request.getParameter("Address");
                               String province = request.getParameter("Province");
                               String postal = request.getParameter("code");
                               //int itemcode = Integer.parseInt(request.getParameter(""));
                               int qty = Integer.parseInt(request.getParameter("Quantity"));


                   if(!(fname.equals("")||lname.equals("")||address.equals("")||email.equals("
                   ")||shipAdd.equals("")||province.equals("")||postal.equals("")))
                                       {
                                          try{
                                              String driver = "com.mysql.jdbc.Driver";
                                              Class.forName(driver);
                                              String url =
                   "jdbc:mysql://localhost:3306/luxury_deaproject";
                                              String sql = "Insert into user
                   values('"+fname+"','"+lname+"','"+address+"','"+phone+"','"+email+"','"+car
                   dno+"','"+exdate+"','"+cvv+"','"+shipAdd+"','"+province+"','"+postal+"','"+
                   qty+"')";
                                              Connection con =
                   DriverManager.getConnection(url,"root","");
```

```
                                        Statement st = con.createStatement();
                                        st.executeUpdate(sql);

                                        RequestDispatcher dipatcher =
                    request.getRequestDispatcher("index.html");

                                 }catch(Exception ex){
                                     out.println(ex);
                                 }
```

Class.java

```
package
DEA;
          import java.io.Serializable;
          public class DEAClass implements Serializable {

              private String fname;
              private String lname;
              private String address;
              private int phone;
              private String email;
              private int cardno;
              private int exdate;
              private int cvv;
              private String shipAdd;
              private String province;
              private String postal;
              private int itemcode;
              private int qty;
              /**
               * @return the fname
               */
              public String getFname() {
                  return fname;
              }
              /**
               * @param fname the fname to set
```

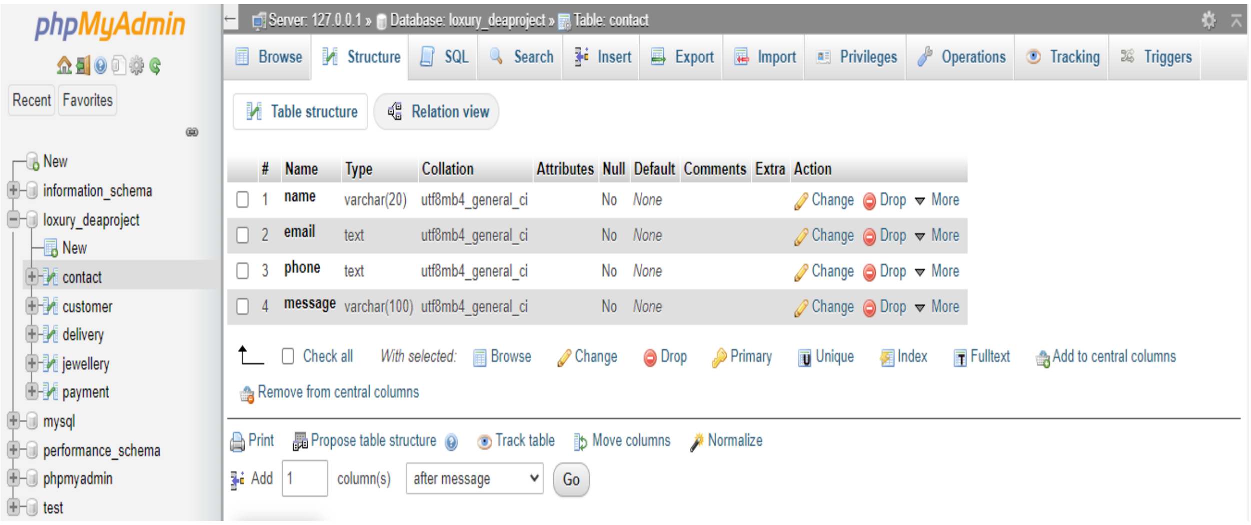
```
 */
public void setFname(String fname) {
    this.fname = fname;
}
/**
 * @return the lname
 */
public String getLname() {
    return lname;
}
/**
 * @param lname the lname to set
 */
public void setLname(String lname) {
    this.lname = lname;
}
/**
 * @return the address
 */
public String getAddress() {
    return address;
}
/**
 * @param address the address to set
 */
public void setAddress(String address) {
    this.address = address;
}
/**
 * @return the phone
 */
public int getPhone() {
    return phone;
}
/**
 * @param phone the phone to set
 */
public void setPhone(int phone) {
    this.phone = phone;
}
/**
 * @return the email
 */
```

```
public String getEmail() {
    return email;
}
/**
 * @param email the email to set
 */
public void setEmail(String email) {
    this.email = email;
}
/**
 * @return the cardno
 */
public int getCardno() {
    return cardno;
}
/**
 * @param cardno the cardno to set
 */
public void setCardno(int cardno) {
    this.cardno = cardno;
}
/**
 * @return the exdate
 */
public int getExdate() {
    return exdate;
}
/**
 * @param exdate the exdate to set
 */
public void setExdate(int exdate) {
    this.exdate = exdate;
}
/**
 * @return the cvv
 */
public int getCvv() {
    return cvv;
}
/**
 * @param cvv the cvv to set
 */
public void setCvv(int cvv) {
    this.cvv = cvv;
}
/**
 * @return the shipAdd
 */
public String getShipAdd() {
    return shipAdd;
}
/**
 * @param shipAdd the shipAdd to set
 */
public void setShipAdd(String shipAdd) {
    this.shipAdd = shipAdd;
}
/**
 * @return the province
 */
public String getProvince() {
    return province;
}
/**
 * @param province the province to set
 */
public void setProvince(String province) {
    this.province = province;
}
/**
 * @return the postal
 */
public String getPostal() {
    return postal;
}
/**
 * @param postal the postal to set
 */
public void setPostal(String postal) {
    this.postal = postal;
}
/**
 * @return the itemcode
 */
public int getItemcode() {
    return itemcode;
    }
    /**
     * @param itemcode the itemcode to set
     */
    public void setItemcode(int itemcode) {
        this.itemcode = itemcode;
    }
    /**
     * @return the qty
     */
    public int getQty() {
        return qty;
    }
    /**
     * @param qty the qty to set
     */
    public void setQty(int qty) {
        this.qty = qty;
    }

}
```

Database

Contact table

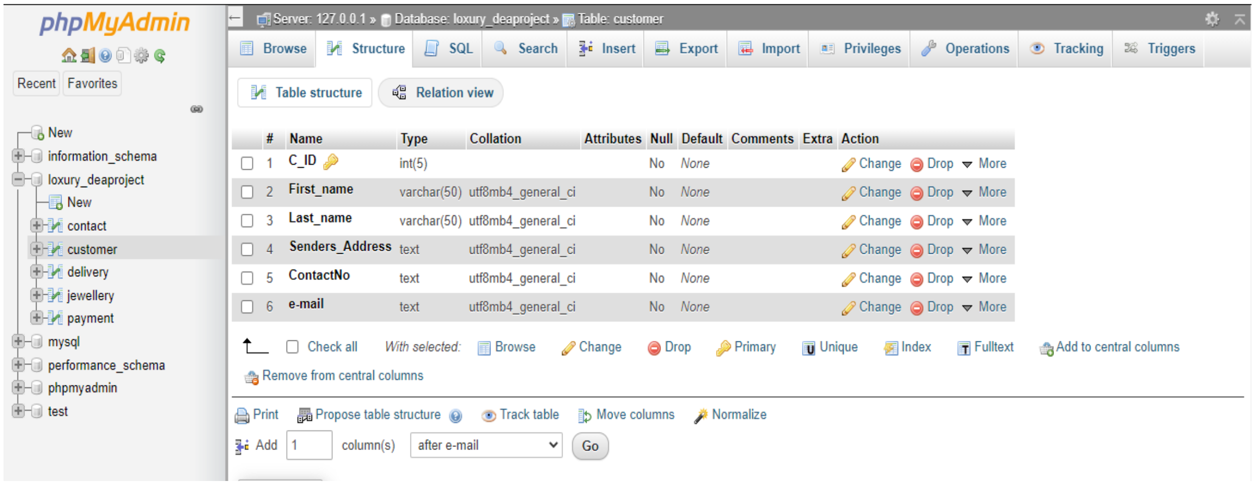


Server: 127.0.0.1 » Database: loxury_deaproject » Table: contact

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	**name**	varchar(20)	utf8mb4_general_ci		No	*None*			Change Drop More
□	2	**email**	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	3	**phone**	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	4	**message**	varchar(100)	utf8mb4_general_ci		No	*None*			Change Drop More

Add 1 column(s) after message

Customer table

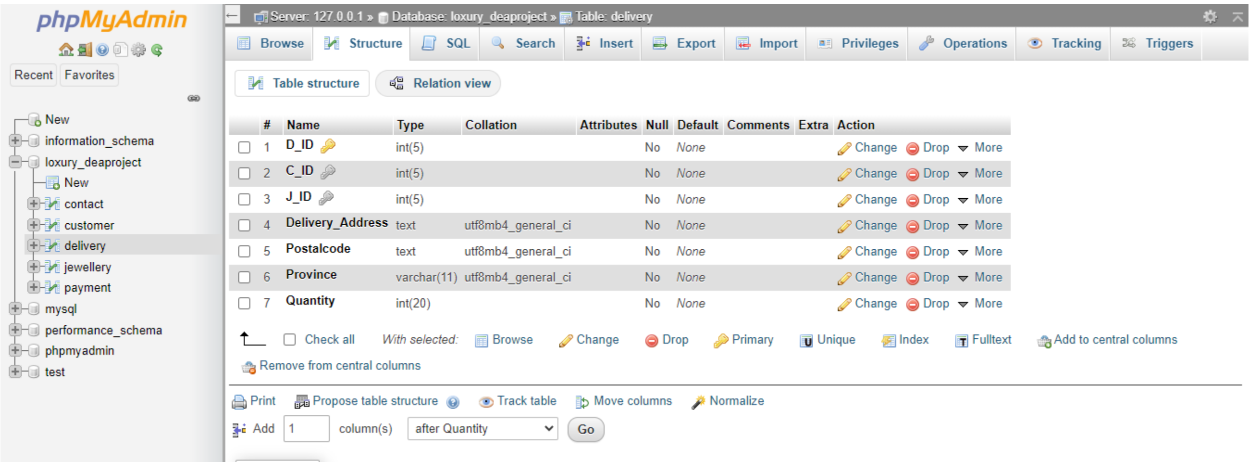


Server: 127.0.0.1 » Database: loxury_deaproject » Table: customer

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	**C_ID**	int(5)			No	*None*			Change Drop More
□	2	**First_name**	varchar(50)	utf8mb4_general_ci		No	*None*			Change Drop More
□	3	**Last_name**	varchar(50)	utf8mb4_general_ci		No	*None*			Change Drop More
□	4	**Senders_Address**	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	5	**ContactNo**	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	6	**e-mail**	text	utf8mb4_general_ci		No	*None*			Change Drop More

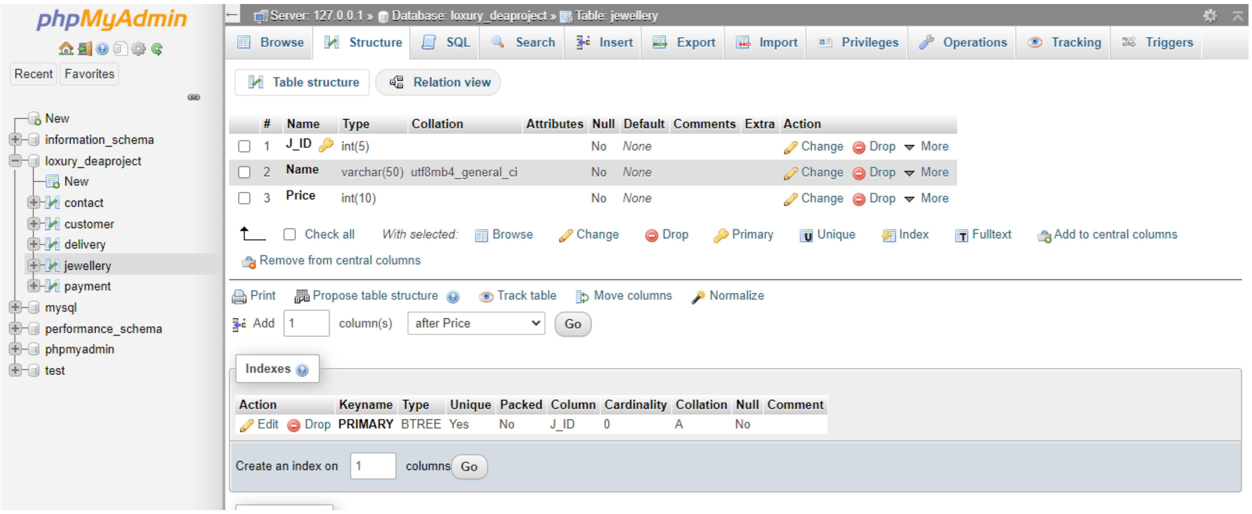
Add 1 column(s) after e-mail

Delivery table



	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	D_ID	int(5)			No	*None*			Change Drop More
□	2	C_ID	int(5)			No	*None*			Change Drop More
□	3	J_ID	int(5)			No	*None*			Change Drop More
□	4	Delivery_Address	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	5	Postalcode	text	utf8mb4_general_ci		No	*None*			Change Drop More
□	6	Province	varchar(11)	utf8mb4_general_ci		No	*None*			Change Drop More
□	7	Quantity	int(20)			No	*None*			Change Drop More

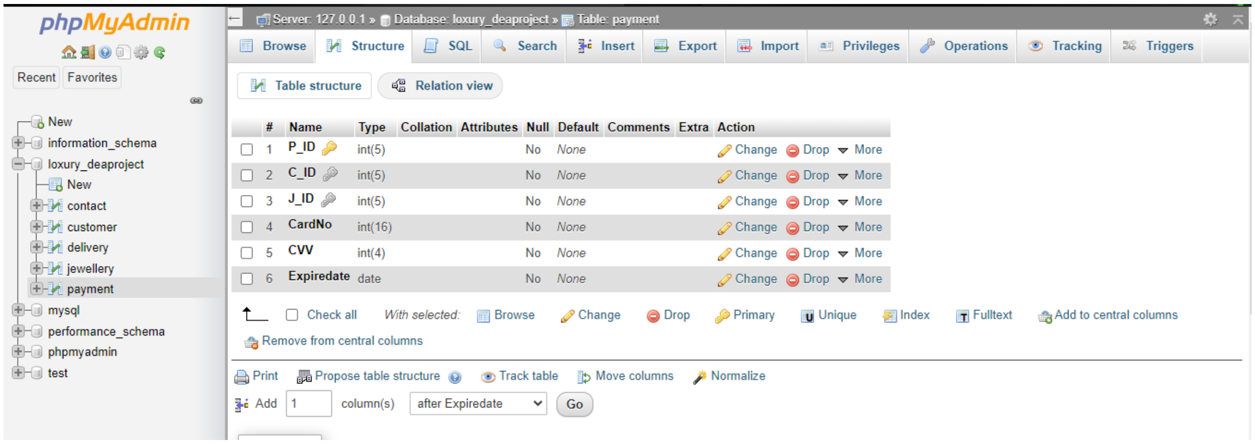
Jewellery table



	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	J_ID	int(5)			No	*None*			Change Drop More
□	2	Name	varchar(50)	utf8mb4_general_ci		No	*None*			Change Drop More
□	3	Price	int(10)			No	*None*			Change Drop More

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	J_ID	0	A	No	

Payment table


phpMyAdmin
Recent Favorites
New
information_schema
loxury_deaproject
New
contact
customer
delivery
jewellery
payment
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: loxury_deaproject » Table: payment
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	P_ID	int(5)			No	*None*			Change Drop More
2	C_ID	int(5)			No	*None*			Change Drop More
3	J_ID	int(5)			No	*None*			Change Drop More
4	CardNo	int(16)			No	*None*			Change Drop More
5	CVV	int(4)			No	*None*			Change Drop More
6	Expiredate	date			No	*None*			Change Drop More

Check all *With selected:* Browse Change Drop Primary Unique Index Fulltext Add to central columns
Remove from central columns
Print Propose table structure Track table Move columns Normalize
Add 1 column(s) after Expiredate Go

Main database

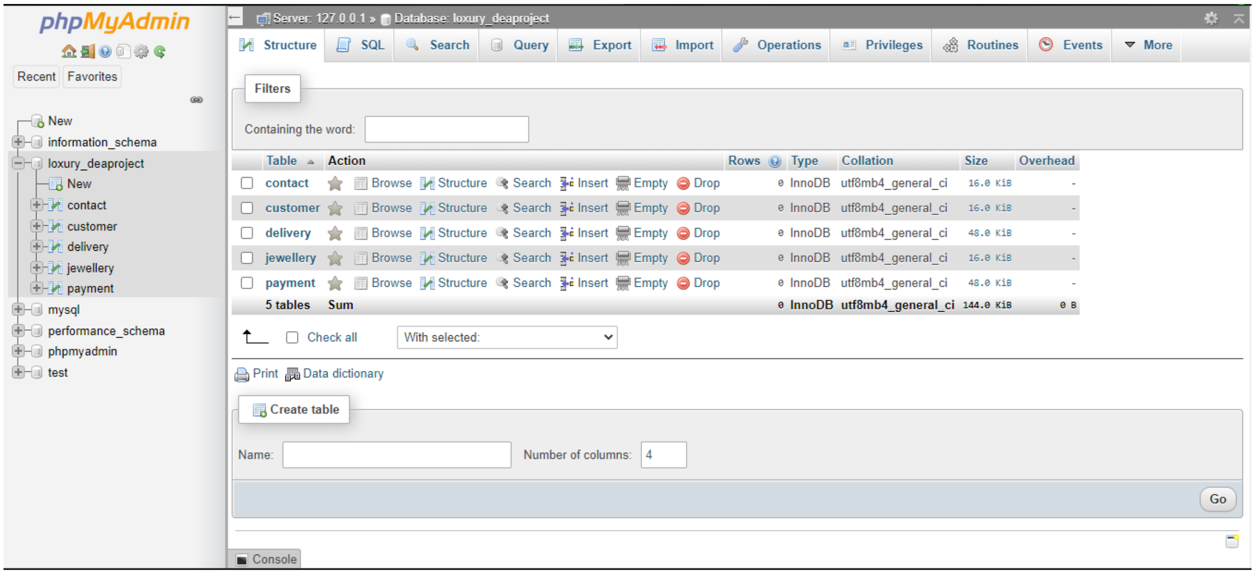


Table	Action	Rows	Type	Collation	Size	Overhead
contact	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
customer	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
delivery	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
jewellery	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
payment	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
5 tables	Sum	0	InnoDB	utf8mb4_general_ci	144.0 KiB	0 B

Conclusion

We create this online jewellery selling system for user who wants to buy a jewellery, online. This will be easy and user-friendly for user. Any local and foreign person can use this system to buying jewellery. You can logging to this system by giving your mobile number and password. After the ordering you can logout. And also, user can buying the many jewelleries in our system. There are bangles, necklaces, rings etc…We think this is a successes full system and it is user friendly.

Thank you.