

eKart Database Project

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Web Programming

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Abstract:

eKart project is a mini implementation of an e-commerce using web technologies. In this project we will provide all the necessary features that are needed for an e-commerce website. There are various modules in the project. Some of them are user sign up and login, controlling products in cart, reviewing products, easy checkout procedure etc. This project handles huge data from users and administrators effectively without compromising security. Whole project followed object oriented programming, so it will be easy to scale the project to a bigger level.

Implementation:

This project used popular web technologies to implement an online shopping platform. The web technologies that are used are PHP, HTML5, CSS3, JS, JSP, Servlet, XML, and AJAX which. To maintain scalability various classes were defined. Separate class for user and product has been defined. This makes it easy to access data in the front-end. To manage the data of the users and products: MySQL, a popular Database Management Software is used. Various tables with all proper relations has been defined to maintain consistency among data without redundancy. This project doesn't compromise in user interface too. Followed the principles of material design in order to provide a user friendly interface.

Login and Sign Up:

Login and Sign Up page are showed in a modal. Sign up is loaded after the request from the user using AJAX as the Sign Up code is a bit large. In the Sign Up page we will take the first name, last name, email id, phone number, and password from the user. This backend script checks if user already exists by checking the email id that is provided. If the email id is already registered give feedback to the user that the email id is already registered else register.

Product Filtering:

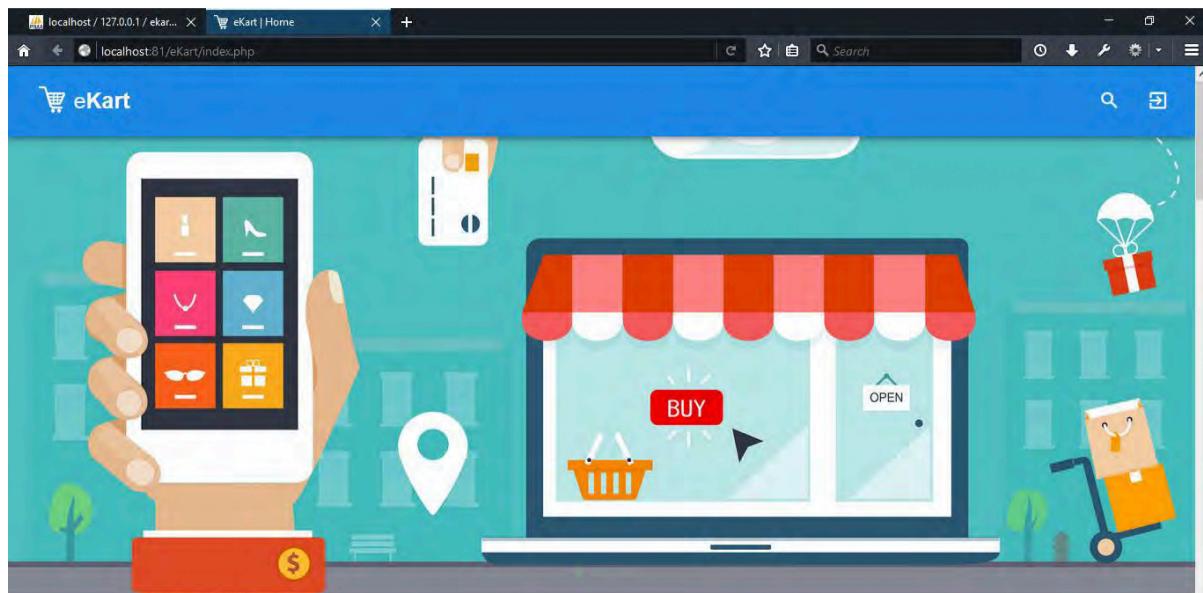
This module filters the product on user input. User can filter the products based on price, recently added and rating. User can also specify whether the results should contain out of stock items or not. User can also provide a search query and the results will be relevant to the query. This module is implemented by creating a function in PHP script which dynamically generates the SELECT query based on the user input. Once the query is generated PHP will interact with MySQL using PDO (PHP Data Objects) drivers for MySQL and the results will be displayed.

Rating and reviewing:

With the help of this module user will be able to add a review to the product and also rate it out of 5. This is implemented by maintaining separate table for reviews with the userid and productid as primary key. Whenever an individual product page is loaded all reviews related to that product will be displayed at the same time if the user is logged in then add/edit review options will be shown. All the reviews will be stored in database in the review table.

Check out:

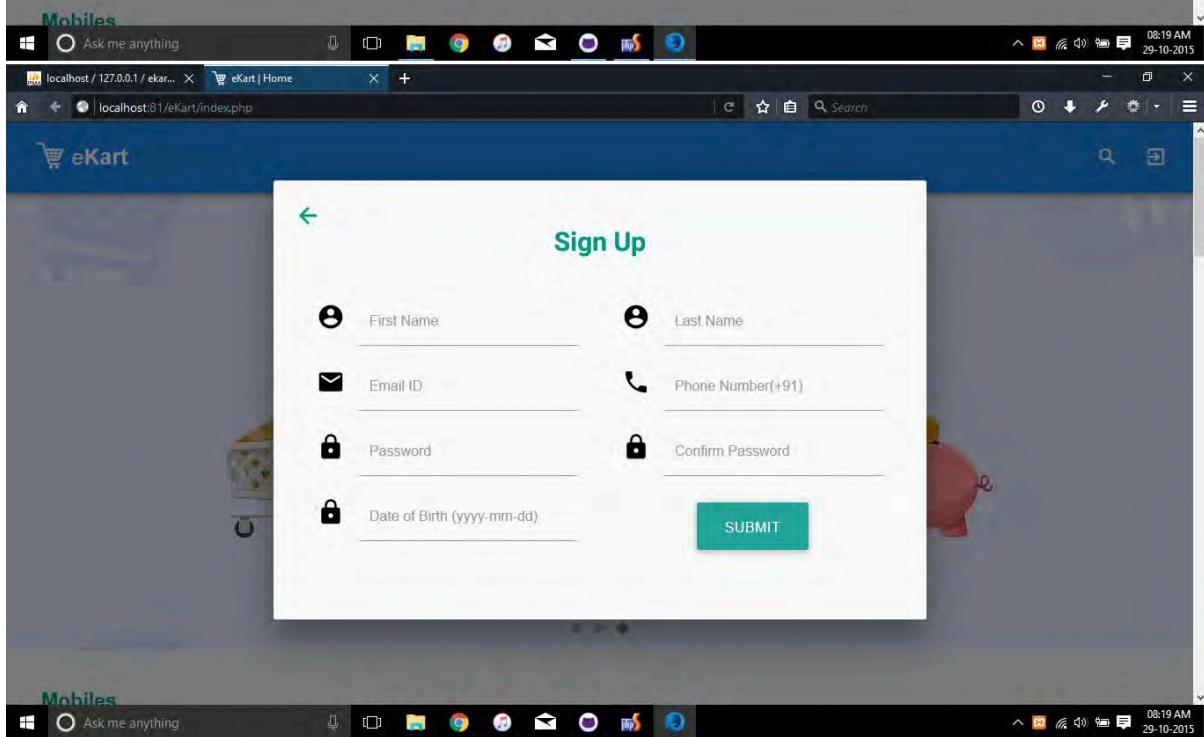
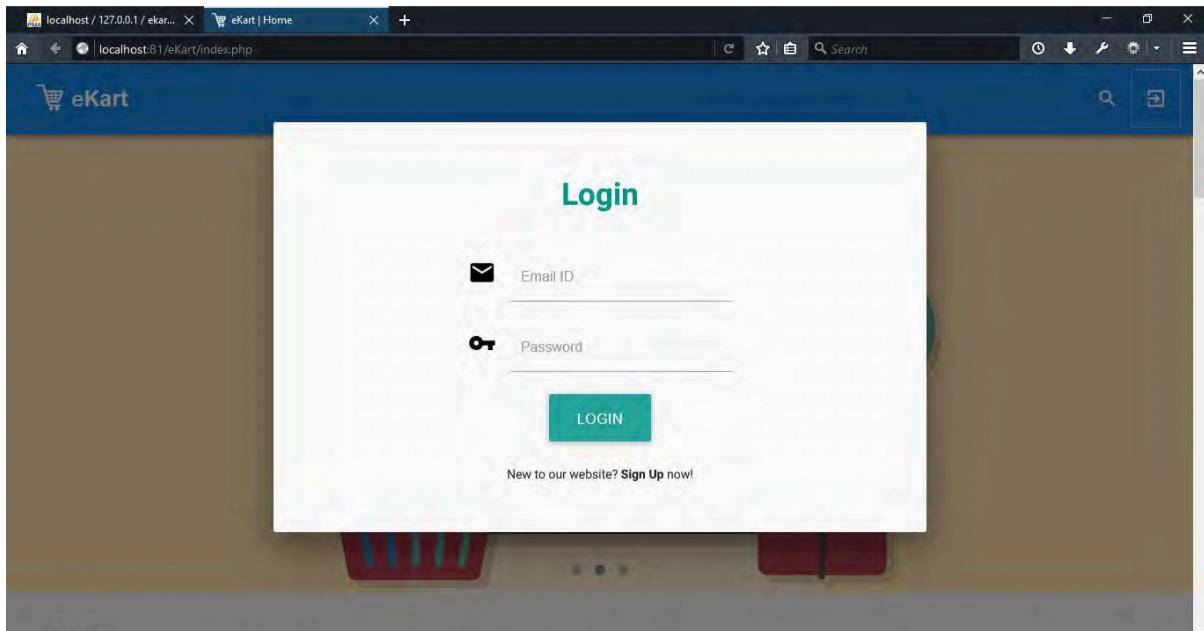
User can add as many products into his cart. All these products will be stored and he can change number of items of the product whenever he wants to and also he can delete the product from the cart. Whenever user clicks on the Buy now button then it will take the user to check out page where he can finally review what all products he needs to buy and also quantity of each product. Once he clicks buy then a new purchase entry will be created which is related to sold items table. All the products that he bought will be added to sold items table with purchase entry id. And once all the products are added to sold items table cart will be emptied and will give the user a feedback that his order is placed.

This screenshot displays the 'Mobiles' section of the eKart website. The header is identical to the home page. Below the header, there is a grid of five mobile phone models, each with a small image, the name, and the price. The phones are: Asus Zenfone 2 Laser ZE550KL (Rs. 9999), Moto X Play (Rs. 19999), Moto G (3rd Generation) (Rs. 12999), Lenovo K3 Note (Rs. 9999), and Micromax Canvas Xpress 2 (Rs. 5999).

| Mobile Model | Price |
|------------------------------|-----------|
| Asus Zenfone 2 Laser ZE550KL | Rs. 9999 |
| Moto X Play | Rs. 19999 |
| Moto G (3rd Generation) | Rs. 12999 |
| Lenovo K3 Note | Rs. 9999 |
| Micromax Canvas Xpress 2 | Rs. 5999 |

This screenshot shows the 'Laptops' section of the eKart website. The header is consistent with the other pages. Below the header, there is a grid of five laptop images, each with a small image, the name, and the price. The laptops are: a dark laptop (name unknown), a white laptop (name unknown), a white laptop with a Flipkart logo (name unknown), a black laptop (name unknown), and a white laptop (name unknown).

| Laptop Model | Price |
|-----------------------------------|-----------|
| Dark Laptop | Rs. 9999 |
| White Laptop | Rs. 19999 |
| White Laptop (Flipkart Exclusive) | Rs. 12999 |
| Black Laptop | Rs. 9999 |
| White Laptop | Rs. 5999 |



localhost / 127.0.0.1 / eKart | Products

eKart | Products

localhost:81/eKart/products.php?catid=1

Search

Mobiles

Refine

Categories

- Mobiles
- Laptops
- Clothing
- Beauty
- TVs
- Furnitures
- Books
- Movies

Price

- High to Low
- Low to High

Rating

Asus Zenfone 2 Laser ZE550KL Rs.9999

Moto X Play Rs.19999

Moto G (3rd Generation) Rs.12999

Lenovo K3 Note Rs.9999

08:19 AM 29-10-2015

localhost / 127.0.0.1 / eKart | Products

eKart | Products

localhost:81/eKart/products.php?q=apple

Search

Showing search results for 'apple'

3 results found

Refine

Categories

- Mobiles
- Laptops
- Clothing
- Beauty
- TVs
- Furnitures
- Books
- Movies

Price

- High to Low
- Low to High

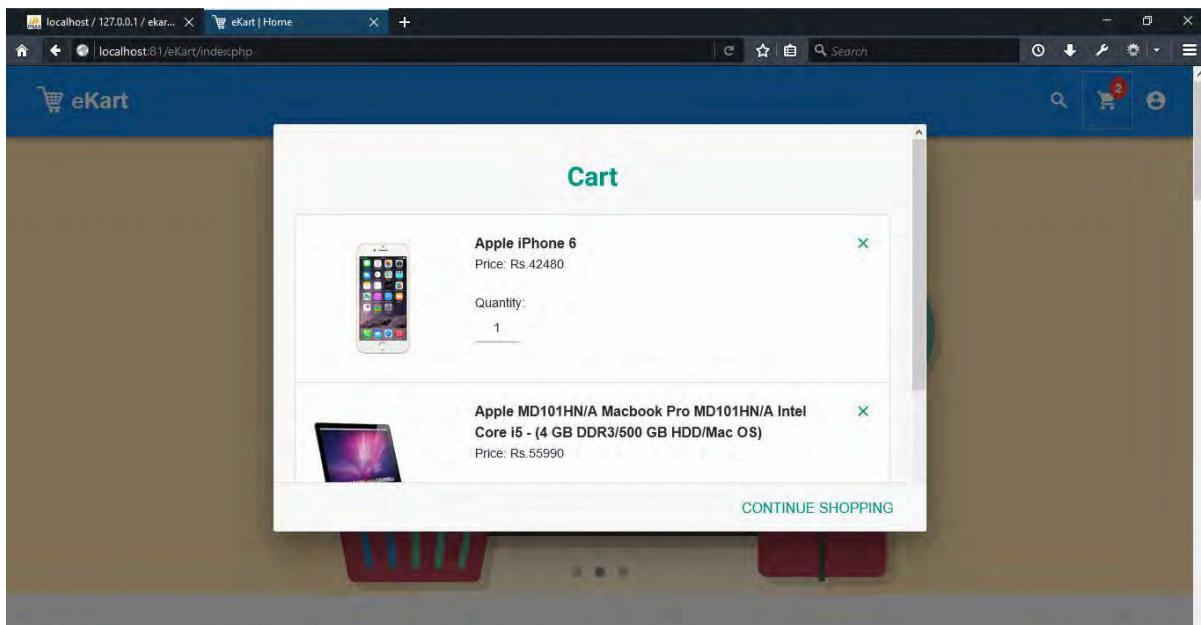
Rating

Apple iPhone 6 Rs.42480

Apple MD101HN/A Macbook Pro MD101HN/A Intel Core i5 - (4 GB DDR3/500 GB HDD/Mac OS) Rs.55990

Apple MJVE2HN/A Ultrabook (Core i5 5th Gen/ 4GB/ 128GB/ Mac OS X Yosemite) Rs.59990

08:19 AM 29-10-2015



The screenshot shows a web browser window with two tabs open. The active tab displays the 'User Reviews' section for a product. The reviews are listed in a grid format:

- Excellent Product !! by Harish Kandala 5 / 5
- Love this phone!! by Goutham Reddy 4 / 5
- Not bad. doesn't worth for price by Chandra Prakash Reddy 3 / 5

The screenshot shows a web browser window with two tabs open. The active tab displays the 'Add Review' form. The form includes fields for rating and writing a review, with a 'SUBMIT' button at the bottom.

Below the form, a message box displays the text: "Oops! No reviews found for this product."

ajax.html

```
<!DOCTYPE html>
<html>
<style>
table,th,td {
    border : 1px solid black;
    border-collapse: collapse;
}
th,td {
    padding: 5px;
}
</style>
<body>

<p>Click on a CD to display album information.</p>
<p id='showCD'></p>
<table id="demo"></table>

<script>
var x,xmlhttp,xmlDoc
xmlhttp = new XMLHttpRequest();
xmlhttp.open("GET", "first.xml", false);
xmlhttp.send();
xmlDoc = xmlhttp.responseXML;
x = xmlDoc.getElementsByTagName("CD");
table=<tr><th>Artist</th><th>Title</th></tr>;
for (i = 0; i <x.length; i++) {
    table += "<tr onclick='displayCD(" + i + ")'><td>";
    table += x[i].getElementsByTagName("ARTIST")[0].childNodes[0].nodeValue;
    table += "</td><td>";
    table += x[i].getElementsByTagName("TITLE")[0].childNodes[0].nodeValue;
    table += "</td></tr>";
}
document.getElementById("demo").innerHTML = table;

function displayCD(i) {
    document.getElementById("showCD").innerHTML =
    "Artist: " +
    x[i].getElementsByTagName("ARTIST")[0].childNodes[0].nodeValue +
    "<br>Title: " +
    x[i].getElementsByTagName("TITLE")[0].childNodes[0].nodeValue +
    "<br>Year: " +
    x[i].getElementsByTagName("YEAR")[0].childNodes[0].nodeValue;
}
</script>
</body>
</html>
```

ajax.php

```
<html>
<head>
    <title>Live Username Available or not By using PHP Ajax Jquery</title>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/2.2.0/jquery.min.js"></script>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css" />
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"></script>
<style>
body
{
    margin:0;
    padding:0;
    background-color:#f1f1f1;
}
.box
{
    width:800px;
    border:1px solid #ccc;
    background-color:#fff;
    border-radius:5px;
    margin-top:36px;
}
</style>
</head>
<body>
    <div class="container box">
        <div class="form-group">
            <h3 align="center" >Live Username Available or not By using PHP Ajax Jquery</h3><br />
            <label>Enter Username</label>
            <input type="text" name="username" id="username" class="form-control" />
            <span id="availability"></span>
            <br /><br />
            <button type="button" name="register" class="btn btn-info" id="register" disabled>Register</button>
            <br />
        </div>
        <br />
        <br />
    </div>
</body>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Bitnami: Open Source. Simplified</title>
<link href="bitnami.css" media="all" rel="stylesheet" type="text/css" />
<link href="/dashboard/stylesheets/all.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div class="contain-to-grid">
<nav class="top-bar" data-topbar>
<ul class="title-area">
<li class="name">
<h1><a href="/dashboard/index.html">Apache Friends</a></h1>
</li>
<li class="toggle-topbar menu-icon">
<a href="#">
<span>Menu</span>
</a>
</li>
</ul>

<section class="top-bar-section">
<!-- Right Nav Section --&gt;
&lt;ul class="right"&gt;
&lt;li class="active"&gt;&lt;a href="/applications.html"&gt;Applications&lt;/a&gt;&lt;/li&gt;
&lt;li class=""&gt;&lt;a href="/dashboard/faq.html"&gt;FAQs&lt;/a&gt;&lt;/li&gt;
&lt;li class=""&gt;&lt;a href="/dashboard/howto.html"&gt;HOW-TO Guides&lt;/a&gt;&lt;/li&gt;
&lt;li class=""&gt;&lt;a target="_blank" href="/dashboard/phpinfo.php"&gt;PHPInfo&lt;/a&gt;&lt;/li&gt;
&lt;li class=""&gt;&lt;a href="/phpmyadmin/"&gt;phpMyAdmin&lt;/a&gt;&lt;/li&gt;
&lt;/ul&gt;
&lt;/section&gt;
&lt;/nav&gt;
&lt;/div&gt;
&lt;div id="wrapper"&gt;
&lt;div class="hero"&gt;
&lt;div class="row"&gt;
&lt;div class="large-12 columns"&gt;
&lt;p&gt;Apache Friends and Bitnami are cooperating to make dozens of open source applications available on XAMPP, for free. Bitnami-packaged applications include Wordpress, Drupal, Joomla! and dozens of others and can be deployed with one-click installers. Visit the &lt;a href="https://bitnami.com/xampp?utm_source=bitnami&amp;utm_</pre>
```

medium=installer&utm_campaign=XAMPP%2BModule" target="_blank">Bitnami XAMPP page for details on the currently available apps.</p>

<p>Check out our Bitnami for XAMPP Start Guide for more information about the applications installed.</p>


```
</div>
</div>
</div>
<div id="lowerContainer" class="row">
    <div id="content" class="large-12 columns">
        <!-- @@BITNAMI_MODULE_PLACEHOLDER@@ -->
    </div>
</div>
</div>
<footer>
    <div class="row">
        <div class="large-12 columns">
            <div class="row">
                <div class="large-8 columns">
                    <ul class="social">
                        <li class="twitter"><a href="https://twitter.com/apachefriends">Follow us on Twitter</a></li>
                        <li class="facebook"><a href="https://www.facebook.com/we.are.xampp">Like us on Facebook</a></li>
                        <li class="google"><a href="https://plus.google.com/+xampp/posts">Add us to your G+ Circles</a></li>
                    </ul>
                    <ul class="inline-list">
                        <li><a href="https://www.apachefriends.org/blog.html">Blog</a></li>
                        <li><a href="https://www.apachefriends.org/privacy_policy.html">Privacy Policy</a></li>
                        <li>
                            <a target="_blank" href="http://www.fastly.com/">CDN provided by
                                
                            </a>
                        </li>
                    </ul>
                </div>
                <div class="large-4 columns">
                    <p class="text-right">Copyright (c) 2015, Apache Friends</p>
                </div>
```

```

        </div>
    </div>
</div>
</footer>
</body>
</html>

<?xml version="1.0" encoding="UTF-8"?>
<!-- You may freely edit this file. See commented blocks below for -->
<!-- some examples of how to customize the build. -->
<!-- (If you delete it and reopen the project it will be recreated.) -->
<!-- By default, only the Clean and Build commands use this build script. -->
<!-- Commands such as Run, Debug, and Test only use this build script if -->
<!-- the Compile on Save feature is turned off for the project. -->
<!-- You can turn off the Compile on Save (or Deploy on Save) setting -->
<!-- in the project's Project Properties dialog box.-->
<project name="newServlet" default="default" basedir=".">
    <description>Builds, tests, and runs the project newServlet.</description>
    <import file="nbproject/build-impl.xml"/>
    <!--

```

There exist several targets which are by default empty and which can be used for execution of your tasks. These targets are usually executed before and after some main targets. They are:

| | |
|----------------------------|--|
| -pre-init: | called before initialization of project properties |
| -post-init: | called after initialization of project properties |
| -pre-compile: | called before javac compilation |
| -post-compile: | called after javac compilation |
| -pre-compile-single: | called before javac compilation of single file |
| -post-compile-single: | called after javac compilation of single file |
| -pre-compile-test: | called before javac compilation of JUnit tests |
| -post-compile-test: | called after javac compilation of JUnit tests |
| -pre-compile-test-single: | called before javac compilation of single JUnit test |
| -post-compile-test-single: | called after javac compilation of single JUnit test |
| -pre-dist: | called before archive building |
| -post-dist: | called after archive building |
| -post-clean: | called after cleaning build products |
| -pre-run-deploy: | called before deploying |
| -post-run-deploy: | called after deploying |

Example of plugging an obfuscator after the compilation could look like

```

<target name="-post-compile">
    <obfuscate>
        <fileset dir="${build.classes.dir}"/>
    </obfuscate>
</target>
```

For list of available properties check the imported nbproject/build-impl.xml file.

Other way how to customize the build is by overriding existing main targets. The target of interest are:

```
init-macrodef-javac:      defines macro for javac compilation
init-macrodef-junit:      defines macro for junit execution
init-macrodef-debug:      defines macro for class debugging
do-dist:                  archive building
run:                      execution of project
javadoc-build:           javadoc generation
```

Example of overriding the target for project execution could look like

```
<target name="run" depends="<PROJNAME>-impl.jar">
    <exec dir="bin" executable="launcher.exe">
        <arg file="${dist.jar}"/>
    </exec>
</target>
```

Notice that overridden target depends on jar target and not only on compile target as regular run target does. Again, for list of available properties which you can use check the target you are overriding in nbproject/build-impl.xml file.

```
-->
</project>
```

coustmercare.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Shopping Zone</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" type="text/css" media="screen" href="main.css" />
    <script src="main.js"></script>
</head>
<body background="ami.jpg">
    <h1 style="font-size:30px">Feel free to ask...</h1>
    <p style="font-size:25px">+91 14001-50001</p>
    <p style="font-size:25px">+91 14001-50022</p>
    <p style="font-size:25px">+91 14001-50033</p>

</body>
</html>
```

mydatabase.php

```
<?php
    extract($_POST);
    $mysqli = new mysqli('localhost', 'root', '', 'mydatabase');

    if($mysqli->connect_errno > 0){
        die('Unable to connect to database [' . $db->connect_error . ']');
    }

    $query = "INSERT INTO mysignup VALUES
    ('$firstname', '$lastname', '$email', '$mobile', '$password', '$conpassword', '$gender')
";
    $insert_row = $mysqli->query($query);
    if($insert_row){
        header("Location: http://localhost/project/mylogin.php");
    }
    else{
        die('Error : (' . $mysqli->errno . ') ' . $mysqli->error);
    }
?>
```

myhome.css

```
body {  
    background-color: MediumSlateBlue;  
}  
  
p {  
    font-family: Verdana;  
    text-align: center;  
    font-size: 30px;  
}  
  
h1 {  
    color: red;  
    font-weight: bold;  
    font-size: 40px;  
    text-align: center;  
}  
  
form {  
    font-size: 25px;  
    text-align: center;  
}  
  
body {  
    background-image: url("ami.jpg");  
}  
  
/*  
ul1 {  
    list-style-type: none;  
    margin: 0;  
    padding: 0;  
    overflow: hidden;  
    position: fixed;  
    top: 0;  
    width: 100%;  
    background-color: #333;  
}  
  
li1 {  
    float: right;  
    border-left:1px solid #bbb;  
}  
  
li1 a {  
    display: block;  
    padding: 14px 16px;  
    color: white;  
    text-decoration: none;
```

```
    text-align: center;
}
li1 a:hover {
    background-color: rgb(168, 121, 121);
}
li1 a:hover:not(.active) {
    background-color: #111;
}
*/
/*
ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
    position: fixed;
    bottom: 0;
    width: 100%;
    background-color: #dddddd;
}
li {
    float: left;
}
li a {
    display: block;
    padding: 14px 16px;
    color: rgb(30, 6, 117);
    text-decoration: none;
    text-align: center;
}
li a:hover {
    background-color: rgb(168, 121, 121);
}
li a:hover:not(.active) {
    background-color: #111;
}
.active {
    background-color: #4CAF50;
}
*/
body {
margin: 0;
```

```
font-family: Arial, Helvetica, sans-serif;
}

nav{

    margin: 0;
    overflow:hidden;
    text-align: center;
}

nav ul{
    margin: 0;
    padding: 0;
}

nav ul li{
    float: right;
    list-style-type: none;
}

nav > ul > li > a{
    color: #aaa;
    display: block;
    line-height: 2em;
    padding: 0.5em 1em;
    text-decoration: none;
}

nav > ul > ul {
    color: rgb(187, 16, 16);
    line-height: 2em;
    padding: 0.5em 1em;
    text-decoration: none;
    margin: 1px auto;

    display: inline-block;
}

nav > ul > strong {
    float: left;
    color: aliceblue;
    position: relative;
    margin: 2px 0px 0px 60px;
}

.logo-img{
    float: left;
    position: fixed;
```

```
    margin: 0px 0px 0px 0px;
}
.bg-div{
    background:#333;
    overflow: hidden;
}

body {
    margin: 0;
    font-family: Arial, Helvetica, sans-serif;
}

.navbar {
    overflow: hidden;
    background-color: #333;
    position: relative;
    bottom: 0;
    width: 100%;
}

.navbar a {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-size: 16px;
}

.navbar a:hover {
    background: #f1f1f1;
    color: black;
}

.navbar a.active {
    background-color: #4CAF50;
    color: white;
}

.main {
    padding: 15px;
    margin-bottom: 30px;
```

mylogin.css

```
.formkastyle
.form{
    margin: auto;
    background-color: #4f5650;
    margin-top: 50px;
    margin-left: 550px;
    width: 25%;
    border: 3px solid rgb(1, 61, 1);
    border-radius: 10px;
    padding: 30px;
    text-align: center;
    font-size: 25px;
}
form > P{
    font-size: 35px;
    color: red;
    text-align: center;
}
P{
    font-size: 18px;
    color: red;
    text-align: center;
}
h1{
    font-size: 40px;
    text-align: center;
}
#signupbtn{
    border-radius: 5px;
    font-size: 25px;
    margin-left: auto;
    margin-right: auto;
    margin-top: 0%;
    display: block;
    background-color: #5f84bf;
}

#loginbtn{
    border-radius: 5px;
    font-size: 25px;
    margin-left: auto;
    margin-right: auto;
    margin-top: 0%;
    display: block;
    background-color: #5f84bf;
}
```

mylogin.js

```
function num()
{   var haveErr = '';

    var inputName2 = document.getElementById("email").value;
    var mailformat = /^w+([.-]?\w+)*@\w+([.-]?\w+)*(\.\w{2,3})+$/;
    if(mailformat.test(inputName2)==false){
        haveErr = 'Y';
        alert("please enter valid email ");
    }

    var password = document.getElementById("password").value;
    if (haveErr == 'Y') {
        document.getElementById("myForm").action = "mylogin.html";
    }
    else{
        alert("Successfully login");
        document.getElementById("myForm").action = "myhome.html";
    }
}

function cancelFunction(){
    var removeMail = document.getElementById("email").value=" ";
    var removePassword = document.getElementById("password").value="";
}
```

mysignup.css

```
.formkastyle{
    display: inline-block;
}

.form{
    margin: auto;
    background-color: #4f5650;
    margin-top: 10px;
    margin-left: 550px;
    width: 25%;
    border: 3px solid green;
    border-radius: 10px;
    padding: 30px;
    font-size: 25px;
    text-align: center;
}

P{
    margin-top: 0%;
    font-size: 35px;
    text-align: center;
}
```

```

h1{
    font-size: 40px;
    text-align:center;
    color:red;
}
#signupbtn{
    font-size:30px;
    border-radius: 5px;
    background-color: #5f84bf;
}

```

mysignup.js

```

function num()
{   var haveErr = '';
    var inputName = document.getElementById("firstname").value;
    var inputName1 = document.getElementById("lastname").value;
    var validName = /^[a-zA-Z ]/;
    if(validName.test(inputName)==false){
        haveErr = 'Y';
        alert("please enter valid name ");
    }
    if(validName1.test(inputName1)==false){
        haveErr = 'Y';
        alert("please enter valid name ");
    }

    var inputName2 = document.getElementById("email").value;
    var mailformat = /^[a-zA-Z]+([._-]?[a-zA-Z]+)*@[a-zA-Z]+([._-]?[a-zA-Z]+)*(\. [a-zA-Z]{2,3})+$/;
    if(mailformat.test(inputName2)==false){
        haveErr = 'Y';
        alert("please enter valid email ");
    }

    var inputtxt=document.getElementById("mobile").value;
    var phoneno = /^[0-9]{10}$/;
    if(phoneno.test(inputtxt)==false){
        haveErr = 'Y';
        alert("please enter valid number");
    }
    var password = document.getElementById("password").value;
    var confirmPassword = document.getElementById("conpassword").value;
    //var passw= /^[A-Za-z]\w{7,15}$/;
    if(password != confirmPassword) {
        haveErr = 'Y';
    }
}

```

```

        alert("Passwords do not match.");
    }
    if (haveErr == 'Y') {
        alert("Passwords do not match.");
    }
    else{
        alert("Successfully submitted");
        //document.getElementById("myForm").action="http://localhost/project/mydatabase.php";
    }
}
function cancelFunction(){
    var removeName = document.getElementById("firstname").value=" ";
    var removeName = document.getElementById("lastname").value=" ";
    var removeMail = document.getElementById("email").value=" ";
    var removeNumber = document.getElementById("mobile").value=" ";
    var removePassword = document.getElementById("password").value="";
    var removeConfirmPassword = document.getElementById("conpassword").value="";
}

```

mysighup.html

```

<!DOCTYPE html>
<html>
<head>
<title>Shopping Zone</title>
<script src="http://localhost/project/mysignup.js"></script>
</head>
<body style="background-color:powderblue;">
    <link rel="stylesheet" href="mysignup.css">
<body background="ami.jpg">

<div class="formstyle">
<div class="form">

<p >WELCOME TO</p>
<h1 >NEWCART</h1>

<form id="myForm" method="post" >
    First name:<br>
    <input type="text" name="firstname" id="firstname" placeholder="first name">
    <br>
    Last name:<br>
    <input type="text" name="lastname" id="lastname" placeholder="last name">
    <br>
    Email:<br>
    <input type="email" name="email" id="email" placeholder="email">

```

```

<br>
Mobile No:<br>
<input type="tel" name="mobile" id="mobile" placeholder="mobile">
<br>
Password:<br>
<input type="password" name="password" id="password" placeholder="password">
<br>
Confirm password:<br>
<input type="password" name="conpassword" id="conpassword" placeholder="confirm pa
ssword">
<br>
<label style="font-size:22px">Gender </label>
<select name="gender" id="gender">
    <option value="male">male</option>
    <option value="female">female</option>
    <option value="other">other</option>
</select><br>
<input type=submit onclick="num()" value="Signup">
</form>

<br>

</div>
</div>

</body>
</html>

```

project.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://www.netbeans.org/ns/project/1">
    <type>org.netbeans.modules.web.project</type>
    <configuration>
        <data xmlns="http://www.netbeans.org/ns/web-project/3">
            <name>newServlet</name>
            <minimum-ant-version>1.6.5</minimum-ant-version>
            <web-module-libraries/>
            <web-module-additional-libraries/>
            <source-roots>
                <root id="src.dir" name="Source Packages"/>
            </source-roots>
            <test-roots>
                <root id="test.src.dir" name="Test Packages"/>
            </test-roots>
        </data>
    </configuration>
</project>

```

```
    </data>
  </configuration>
</project>
```

login.java

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author Anmol
 */
public class demoHello extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet demoHello</title>");
```

```
        out.println("</head>");
        out.println("<body>");
        out.println("<h1>Servlet demoHello at " + request.getContextPath() + "</h1>");
    }
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">
/***
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}

/***
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
}
```

```
 } // </editor-fold>
}
```

slideshow.html

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
* {box-sizing: border-box; }

body {
  margin: 0;
  font-family: Arial, Helvetica, sans-serif;
}

.topnav {
  overflow: hidden;
  background-color: #e9e9e9;
}

.topnav a {
  float: left;
  display: block;
  color: black;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
  font-size: 17px;
}

.topnav a:hover {
  background-color: #ddd;
  color: black;
}

.topnav a.active {
  background-color: #2196F3;
  color: white;
}

.topnav input[type=text] {
```

```

        float: right;
        padding: 6px;
        margin-top: 8px;
        margin-right: 16px;
        border: none;
        font-size: 17px;
    }

    @media screen and (max-width: 600px) {
        .topnav a, .topnav input[type=text] {
            float: none;
            display: block;
            text-align: left;
            width: 100%;
            margin: 0;
            padding: 14px;
        }

        .topnav input[type=text] {
            border: 1px solid #ccc;
        }
    }

```

</style>

</head>

<body>

```

<div class="topnav">
    <a class="active" href="#home">Home</a>
    <a href="#about">About</a>
    <a href="#contact">Contact</a>
    <input type="text" placeholder="Search...">
</div>

<div style="padding-left:16px">
    <h2>Responsive Search Bar</h2>
    <p>Navigation bar with a search box inside of it.</p>
    <p>Resize the browser window to see the responsive effect.</p>
    <p>For more examples on how to add a submit button and icon inside the search bar, go back to the tutorial.</p>
</div>

```

</body>

</html>

social.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Shopping Zone</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" type="text/css" media="screen" href="main.css" />
    <script src="main.js"></script>
</head>
<body background="ami.jpg">
    <h1 style="font-size:30px">You can find us at</h1>
    <!--
    <p style="font-size:25px">Facebook</p>
    <p style="font-size:25px">Youtube</p>
    <p style="font-size:25px">Twitter</p>  -->

    <ul>
        <p style="font-size:25px"><a href="https://www.facebook.com">Facebook</a></p>
        <p style="font-size:25px"><a href="https://www.youtube.com">Youtube</a></p>
        <p style="font-size:25px"><a href="https://twitter.com">Twitter </a></p>

    </ul>
</body>
</html>
```