



# *Cupcakes* *Delight*

Avneet Sethi,  
Nadiya Noor, and  
Samina Hirani

# *Objective*

Create an e-commerce website using HTML, CSS, PHP and MySQL.

# *Idea*

Create an e-commerce website for a cupcake business where a users can buy pre-made cupcakes or create their own.

# *Design and Implementation*

- Used **JavaScript** to:
  - create the slideshow and responsive menu bar on the Home page
  - display the cupcake on the Custom Design page
  - create form field validators for the Contact and Account pages
- Used the **Flex Box Layout** to organize the content in a “grid” format on all pages for an optimized mobile experience
- Used **PHP** for:
  - shopping cart, login/register/forgotpassword features

Live Demo

# Work Division

Avneet - <i>UI Designer, Developer, Tester</i>	Nadiya - <i>Developer, Tester</i>	Samina - <i>Developer, Tester</i>
<ul style="list-style-type: none"><li>• HTML, CSS (flexbox)</li><li>• Slideshow (JS)</li><li>• Shopping Cart (PHP, SQL)</li><li>• Forgot Password (PHP, SQL)</li><li>• Custom Cupcake (JS, PHP, SQL)</li></ul>	<ul style="list-style-type: none"><li>• Individual Cupcake Pages</li><li>• Billing Details and Payment Pages</li><li>• Credit Card Detector (JS)</li><li>• Form Fields Validation (JS)</li></ul>	<ul style="list-style-type: none"><li>• Login - SQL, PHP</li><li>• Register - SQL, PHP</li><li>• Sign Out</li><li>• JS Field Validators</li><li>• Contact Form - SQL</li></ul>

# *Sql Tables*

Total: 3 Independent  
Tables: Users,  
Products, ContactInfo

# Tables

## Users

```
MariaDB [shirani4]> select * FROM Users;
+-----+-----+-----+-----+-----+-----+
| Name      | Email           | Username | Password | Question | Answer   |
+-----+-----+-----+-----+-----+-----+
| Avneet Sethi | avneetsethi@gmail.com | asethi    | asethi123 | Pet Name | snowy    |
| SAI MOUNIKA | mounikagottipati7@gmail.com | mounika   | codd111   | NULL     | NULL     |
| Nadiya Noor | nnoor@gmail.com | nnoor     | nnoor123  | City of Birth | atlanta |
| Samina Hirani | shirani@gmail.com | shirani   | shirani123 | City of Birth | somewhere |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

# Contact

## Form

```
+-----+-----+-----+-----+
| Name      | Email           | Subject | Message
+-----+-----+-----+-----+
| John Doe | jdoe@gmail.com | Yummy   | Your cupcakes are delicious!
| John Doe | jdoe@gmail.com | Order   | Has my order been placed?
| nadiya noor | nadiyanoor98@gmail.com | a       | aaaaaaa
| jksdnkvjsnfvk | nadiyanoor98@gmail.com | njkcsbv | nkldfnvoindfvi kn
| ff        | ff               | ff       | ff
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

# Products

```
MariaDB [asethi2]> select * FROM Products;
+-----+-----+-----+-----+
| ID | ProductName | Image          | Price | Inventory |
+-----+-----+-----+-----+
| 1  | Chocolate Vanilla Cupcake | images/Cupcake1.jpeg | 1.5 | 42 |
| 2  | Vanilla Rainbow Sprinkle | NULL            | 1.5 | 68 |
| 3  | Unicorn Cupcake         | NULL            | 2.5 | 101 |
| 4  | Fruity Tooty           | NULL            | 2    | 101 |
| 5  | Triple Chocolate Cupcake | NULL            | 1.75 | 100 |
| 6  | Caramel Pecan Cupcake  | NULL            | 2    | 9   |
| 7  | Custom Cupcake          | NULL            | 1.25 | NULL |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

# Register.php

<?php

```
MariaDB [shirani4]> select * FROM Users;
+-----+-----+-----+-----+-----+-----+
| Name | Email | Username | Password | Question | Answer |
+-----+-----+-----+-----+-----+-----+
| Avneet Sethi | avneetsethi@gmail.com | asethi | asethi123 | Pet Name | snowy |
| SAI MOUNIKA | mounikagottipati7@gmail.com | mounika | codd111 | NULL | NULL |
| Nadiya Noor | nnoor@gmail.com | nnoor | nnoor123 | City of Birth | atlanta |
| Samina Hirani | shirani@gmail.com | shirani | shirani123 | City of Birth | somewhere |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

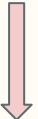
```
include("accountconfig.php");
$name = $_POST['name'];
$email = $_POST['email'];
$un = $_POST['un'];
$pwd = $_POST['pwd'];

$sql = "INSERT INTO Users (Name, Email, Username, Password) VALUES ('$name', '$email', '$un', '$pwd')";

if ($conn->query($sql) === TRUE) {
    echo "<h2 class = 'subtitle' align = 'center'>Account Successfully Created</h2>";
    echo "<p align = 'center'>Please check your email to verify your account details</p>";
} else {
    echo "<h2 class = 'subtitle' align = 'center'>Error. Please Try Again.</h2>";
}

$conn->close();
```

## Primary Key



?>

# Login.php

```
<?php

include("accountconfig.php");
$un = $_POST["un"];
$pwd = $_POST["pwd"];
$sql = "SELECT Name FROM Users";
$result = $conn->query($sql);

if($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        $_SESSION["name"] = $row["Name"];
        //echo "Welcome " . $row["Name"] . "<br>";
    }
    echo "<br/><br/><h2 class = 'subtitle' align = 'center'>Welcome, " . $_SESSION['name'] . "!" . "</h2>";

//if the session variable is set even if this page is reloaded, display the welcome message
} else if(isset($_SESSION["name"])){
    echo "<br/><br/><h2 class = 'subtitle' align = 'center'>Welcome, " . $_SESSION['name'] . "!" . "</h2>";

//if the session variable is not set / user login info is incorrect, redirect to the account.html page
} else {
    echo '<script>window.location.href = "account.html";</script>';
}

$conn->close();

?>
```

```
MariaDB [shirani4]> select * FROM Users;
+-----+-----+-----+-----+-----+
| Name | Email | Username | Password | Question | Answer |
+-----+-----+-----+-----+-----+
| Avneet Sethi | avneetsethi@gmail.com | asethi | asethi123 | Pet Name | snowy
| SAI MOUNIKA | mounikagottipati7@gmail.com | mounika | codd111 | NULL | NULL
| Nadiya Noor | nnoor@gmail.com | nnoor | nnoor123 | City of Birth | atlanta
| Samina Hirani | shirani@gmail.com | shirani | shiranil23 | City of Birth | somewhere
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

# ForgotPassword.php

```
MariaDB [shirani4]> select * FROM Users;
```

Name	Email	Username	Password	Question	Answer
Avneet Sethi	avneetsethi@gmail.com	asethi	asethi123	Pet Name	snowy
SAI MOUNIKA	mounikagottipati7@gmail.com	mounika	codd111	NULL	NULL
Nadiya Noor	nnoor@gmail.com	nnoor	nnoor123	City of Birth	atlanta
Samina Hirani	shirani@gmail.com	shirani	shirani123	City of Birth	somewhere

```
4 rows in set (0.00 sec)
```

# Contact.php

Name	Email	Subject	Message
John Doe	jdoe@gmail.com	Yummy	Your cupcakes are delicious!
John Doe	jdoe@gmail.com	Order	Has my order been placed?
nadiya noor	nadiyanoor98@gmail.com	a	aaaaaa
jksdnkvjsnfkv	nadiyanoor98@gmail.com	njkcsbv	nkldfnvoindfvikn
ff	ff	ff	ff

5 rows in set (0.00 sec)

# Cart.php

## Shopping Cart - MySQL Database



```
MariaDB [asethi2]> select * FROM Products;
+----+-----+-----+-----+-----+
| ID | ProductName           | Image          | Price | Inventory |
+----+-----+-----+-----+-----+
| 1  | Chocolate Vanilla Cupcake | images/Cupcake1.jpeg | 1.5  | 42   |
| 2  | Vanilla Rainbow Sprinkle | NULL           | 1.5  | 68   |
| 3  | Unicorn Cupcake         | NULL           | 2.5  | 101  |
| 4  | Fruity Tooty            | NULL           | 2    | 101  |
| 5  | Triple Chocolate Cupcake| NULL           | 1.75 | 100  |
| 6  | Caramel Pecan Cupcake  | NULL           | 2    | 9    |
| 7  | Custom Cupcake          | NULL           | 1.25 | NULL  |
+----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

### Your Items

Product Name	Quantity	Price Details	Total Price	Remove Item
Custom Cupcake	5	\$ 1.25	\$ 6.25	
Vanilla Rainbow Sprinkle	3	\$ 1.5	\$ 4.50	
Triple Chocolate Cupcake	5	\$ 1.75	\$ 8.75	
Total		\$ 19.50		

Continue

# Cupcake1.php

## Shopping Cart - cupcake1.php

```
MariaDB [asethi2]> select * FROM Products;
+----+-----+-----+-----+-----+
| ID | ProductName          | Image           | Price | Inventory |
+----+-----+-----+-----+-----+
| 1  | Chocolate Vanilla Cupcake | images/Cupcake1.jpeg | 1.5  | 42       |
| 2  | Vanilla Rainbow Sprinkle | NULL            | 1.5  | 68       |
| 3  | Unicorn Cupcake         | NULL            | 2.5  | 101      |
| 4  | Fruity Tooty           | NULL            | 2    | 101      |
| 5  | Triple Chocolate Cupcake | NULL            | 1.75 | 100      |
| 6  | Caramel Pecan Cupcake  | NULL            | 2    | 9        |
| 7  | Custom Cupcake          | NULL            | 1.25 | NULL     |
+----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
<?php
$sql = "SELECT * FROM Products WHERE ID = 1";
$result = mysqli_query($conn, $sql);
if (mysqli_num_rows($result) > 0) {
    $row1 = mysqli_fetch_array($result);
}
?>
```

```
<form method="post" action="cart.php?action=add&id=<?php echo $row1["ID"]; ?>">
<input type="text" name="quantity" value = "1">
<input type="hidden" name="hidden_name" value="<?php echo $row1["ProductName"]; ?>">
<input type="hidden" name="hidden_price" value="<?php echo $row1["Price"]; ?>">
<input type="hidden" name="hidden_inventory" value="<?php echo $row1["Inventory"]; ?>">
<input type="submit" name="add" style="margin-top: 5px;" value="Add to Cart">
</form>
```

# Form Field Validation

```
function checkEmail() {
    var patt = /^[A-Za-z]+[0-9]+@[a-z]+\.[a-z]{2,3}$/;
    var email = document.getElementById("email").value;
    document.getElementById("echeck1").value = "";

    if(patt.test(email) == false) {
        document.getElementById("echeck").innerHTML = "Invalid Input";
        document.getElementById("echeck1").value = "Invalid Input";
    } else {
        document.getElementById("echeck").innerHTML = "";
    }
}
```

```
<?php
    $fcheck1 = $_POST['fcheck1'];
    $echeck1 = $_POST['echeck1'];
    $pcheck1 = $_POST['pcheck1'];
    $confirmcheck1 = $_POST['confirmcheck1'];

    if ($fcheck1 != "" || $echeck1 != "" || $pcheck1 != "" || $confirmcheck1 != "") {
        header('location: account.html');
```

# Test Cases

1. Does the page reload if invalid fields in the form are submitted?
2. Does the corresponding item get added to cart after selecting the Add to Cart button?
3. Does the corresponding item get deleted from the cart after selecting the bin icon?
4. Does account.html redirect to login.php if a user has already logged in?
5. Does the error message display after registering an account with the same username?

# *The Glitches*

- Billing Details and Credit Card Info are not linked to a database
- Adding items to cart does not decrease number in the Inventory
- Custom Cupcakes order info is not linked to a database

*html + css + js*

# Work Division - Aneet

## Nav Bar - JavaScript

```
var mainNav = document.getElementById('mainNav');
var navBarToggle = document.getElementById('navBarToggle');

navBarToggle.addEventListener('click', function () {
    mainNav.classList.toggle('navActive');
});

.navActive {
    display: block;
}
```

Cupcakes Delight



Home

Products

Custom Design

Contact Us

Account



# Work Division - Aneet

## Slideshow - HTML

Cupcakes Delight

Home Products Custom Design About Us Contact Us Account



```
<div class = "wrap">
  <div id = "slider">
    <div class = "slide slide1 fade">
      <div class = "slide-caption">
        |   <b><span>Chocolate</span></b>
      </div>
    </div>
    <div class = "slide slide2 fade">
      <div class = "slide-caption">
        |   <b><span>Raspberry</span></b>
      </div>
    </div>
    <div class = "slide slide3 fade">
      <div class = "slide-caption">
        |   <b><span>Champagne</span></b>
      </div>
    </div>
  </div>
  <div id = "arrow-left" class = "arrow"></div>
  <div id = "arrow-right" class = "arrow"></div>
</div>
```

# Work Division - Aneet

## Slideshow - CSS

```
#slider, .wrap, .slide-caption {  
    margin: 0;  
    padding: 0;  
    width: 100%;  
    height: 91vh;  
    overflow-x: hidden;  
    background-color: rgb(0,0,0,0.2);  
}  
  
.wrap{  
    position: relative;  
}  
  
.slide {  
    background-size: cover;  
    background-position: center;  
    background-repeat: no-repeat;  
}  
  
.slide1 {  
    background-image: url("images/chocolate_cupcake.jpeg");  
}
```

```
.slide-caption {  
    display: -webkit-box;  
    display: -moz-box;  
    display: -ms-flexbox; /*Internet Explorer 10*/  
    display: -webkit-flex;  
    display: flex;  
    flex-direction: column;  
    justify-content: center;  
    align-items: center;  
}  
  
.slide-caption span {  
    font-family: 'Satisfy', cursive;  
    text-align: center;  
    font-size: 60px;  
    color: white;  
}  
  
.arrow {  
    cursor: pointer;  
    position: absolute;  
    top: 50%;  
    margin-top: -35px;  
    width: 0;  
    height: 0;  
    border-style: solid;  
}  
  
.arrow-left {  
    border-width: 30px 40px 30px 0; /*top right bottom left*/  
    border-color: transparent #ffffff transparent transparent;  
    left: 0;  
    margin-left: 30px;  
}  
  
.fade {  
    -webkit-animation-name: fade;  
    -webkit-animation-duration: 2.0s;  
    animation-name: fade;  
    animation-duration: 2.0s;  
}  
  
@-webkit-keyframes fade {  
    from {opacity: .4}  
    to {opacity: 1}  
}
```

# Work Division - Aneet

## Slideshow - JavaScript

```
var slideshowImages = document.querySelectorAll('.slide');
var arrowLeft = document.getElementById('arrow-left');
var arrowRight = document.getElementById('arrow-right');
var current = 0;

arrowLeft.addEventListener('click', goBack);
arrowRight.addEventListener('click', goForward);

function hideSlides() {
    for(var i = 0; i < slideshowImages.length; i++) {
        slideshowImages[i].style.display = 'none';
    }
}

function showSlide(currentSlide) {
    hideSlides();
    slideshowImages[currentSlide].style.display = 'block';
}
```

```
function goBack() {
    current = current - 1;
    if(current < 0) {
        current = slideshowImages.length - 1;
    }
    showSlide(current);
}

function goForward() {
    current = current + 1;
    if(current == slideshowImages.length) {
        current = 0;
    }
    showSlide(current);
}

function runAutomatic() {
    goForward();
    setTimeout(function() {
        runAutomatic();
    }, 7000);
}

runAutomatic();
```

# Work Division - Avneet

## Create Your Own Cupcake

```
<p><b>Select a Cake</b></p>
<select id="selectedCake" name = "Cake" onchange="selectCakeBase() ">
  <option>None</option>
  <option value="0">Vanilla</option>
  <option value="1">Lemon</option>
  <option value="2">Chocolate</option>
  <option value="3">Red Velvet</option>
</select>
```

```
<div class = "itemsCustomize" style = "background-color: #f4c3c3; padding-top: 90px;">
  <div id="showTopping"></div>
  <div id="showFrosting"></div>
  <div id="showCake"></div>
</div>
```

Select a Cake

Vanilla

onchange = selectCakeBase()

Select a Frosting

Chocolate

selectFrosting()

Select a Topping

Peanuts

selectTopping()

Submit



# Work Division - Aneet

## Create Your Own Cupcake

```
<div class = "itemsCustomize" style = "background-color: #f4c3c3; padding-top: 90px;">
    <div id="showTopping"></div>
    <div id="showFrosting"></div>
    <div id="showCake"></div>
</div>

function selectCakeBase() {

    var cakeBases = ["images/vanillaCake.png", "images/lemonCake.png",
        "images/chocolateCake.png", "images/velvetCake.png"];
    var selectedCake = document.getElementById("selectedCake").value;
    var cakeDisplay = "<img width = 375px height = 250px src =\""
    + cakeBases[selectedCake] + "\">";

    showCake.innerHTML = cakeDisplay;
}
```

```
#showTopping{
    position: absolute;
    z-index: 8;
}

#showFrosting{
    position: absolute;
    z-index: 4;
}

#showCake{
    position: absolute;
    z-index: 1;
    bottom: 0px;
}
```

# Work Division - Nadiya



## Products Page - HTML

```
<div class = "productsContainer">
  <div class="product">
    <div class="cupcake1 shrink">
      <div class="name" align=center> Chocolate Vanilla Cupcake </div>
      <div class="price" align=center> $1.50 </div>
      <button type="button" onClick="location.href='cupcake1.html'"></button>
    </div>
  </div>

  <div class="product">
    <div class="cupcake2 shrink">
      <div class="name" align=center> Vanilla Rainbow Sprinkle </div>
      <div class="price" align=center> $1.50 </div>
      <button type="button" onclick="info2.html"></button></div>
    </div>
  </div>
```



# Work Division - Nadiya

## Products Page - CSS

```
.productsContainer{  
    display: -webkit-box;  
    display: -moz-box;  
    display: -ms-flexbox; /*Internet Explorer 10*/  
    display: -webkit-flex;  
    display: flex;  
    justify-content: space-evenly;  
    flex-flow: row wrap;  
    align-items: center;  
}  
  
.product {  
    display: -webkit-box;  
    display: -moz-box;  
    display: -ms-flexbox; /*Internet Explorer 10*/  
    display: -webkit-flex;  
    display: flex;  
    width: 350px;  
    height: 400px;  
    flex-flow: column wrap;  
    align-items: center;  
    margin: 20px;  
}
```

```
.name, .price{  
    background-color: #f4c3c3;  
    color: black;  
    font-size: 25px;  
}  
  
.name {  
    font-family: 'Satisfy', cursive;  
    font-size: 25px;  
    font-weight: bold;  
}  
/*Set the cupcake image for the 6 cupcakes*/  
.cupcake1 {  
    width: 350px;  
    height: 400px;  
    background-image:url('images/Cupcake1.jpeg');  
    background-repeat: no-repeat;  
    background-size:cover;  
}
```

## Animation on Hover

```
.shrink {  
    -webkit-transition: width .2s, height .2s, ease-in-out;  
    transition: all .2s ease-in-out; /*slow start slow end */  
}  
  
.shrink:hover {  
    -webkit-transform:scale(0.9, 0.9);  
    transform: scale(0.9, 0.9);  
}
```

# Work Division - Nadiya

## Individual Cupcake Page



*Products*

**<b><p>Quantity: </p></b>**

**<input type="number" name="quantity" min=0>**

**<br/>**

### *Chocolate Vanilla Cupcake*



Our popular chocolate vanilla cupcake is layered with lemon curd, whipped cream, fresh raspberries and raspberry preserves. Finished with white and milk chocolate cream cheese icing.

Price: \$1.50 each

Quantity:

Add to Cart

# Work Division - Samina

Forms for  
Contact and  
Account Pages



*Your Account*

*Create an Account*

First NameLast NameEmailPasswordConfirm Password

Submit

*Sign-In*

EmailPassword

Submit

# Work Division - Samina

## Forms for Contact and Account Pages

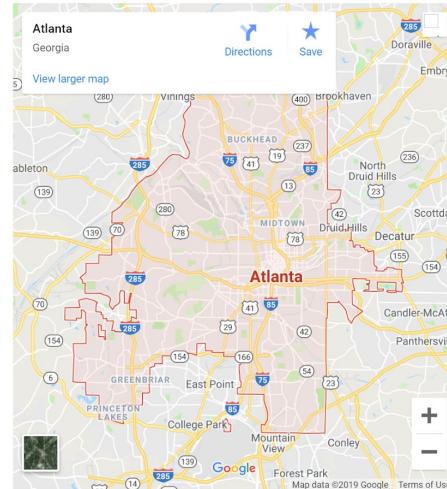


### Contact Us

Invalid Input

\*Required Field

\*Required Field



# Work Division - Samina

## Forms for Contact and Account Pages - HTML

```
<div class = "accountContainer">

    <div class = "formItem" style = "justify-content: space-evenly;">
        <h2 class = "subtitle">Create an Account</h2>

        <div><form action = ""></div>

        <input type = "text" id = "firstName" name = "First Name" placeholder = "First Name" onchange = "checkFirstName() ;">
        <div id = "fcheck" style = "color: #f98181;"></div>

        <input type = "text" id = "lastName" name = "Last Name" placeholder = "Last Name" onchange = "checkLastName() ;">
        <div id = "lcheck" style = "color: #f98181;"></div>

        <input type = "text" id = "email" placeholder = "Email" onchange = "checkEmail() ;">
        <div id = "echeck" style = "color: #f98181;"></div>

        <input type = "password" id = "password" placeholder = "Password">
        <div></div>

        <input type = "password" id = "confirmPassword" placeholder = "Confirm Password" onchange = "checkPassword() ;">
        <div id = "pcheck" style = "color: #f98181;"></div>

        <input class = "submitButton" type = "Submit">
    </form>
</div>
```

# Work Division - Samina

## Forms for Contact and Account Pages - JavaScript

```
function checkFirstName() {
    var patt = /^[A-Za-z]+$/;
    var name = document.getElementById("firstName").value;

    if(name === "") {
        document.getElementById("fcheck").innerHTML = "*Required Field";
    }else if(patt.test(name) == false) {
        document.getElementById("fcheck").innerHTML = "Invalid Input";
    }else {
        document.getElementById("fcheck").innerHTML = "";
    }
}

function checkPassword() {
    var pass = document.getElementById("password").value;
    var confirmPass = document.getElementById("confirmPassword").value;
    if(pass != confirmPass) {
        document.getElementById("pcheck").innerHTML = "Passwords do not match";
    }
}
```

# Resources

- Tutorial for creating a responsive slideshow:  
<https://youtu.be/7ZO2RTMNSAY>
- w3Schools, StackOverflow
- Creating a Responsive Nav Bar:  
<https://itnext.io/how-to-build-a-responsive-navbar-using-flexbox-and-javascript-eboaf24f19bf>

php

# Work Division - Samina

## register.php

```
<?php

include("accountconfig.php");
$name = $_POST['name'];
$email = $_POST['email'];
$un = $_POST['un'];
$pwd = $_POST['pwd'];

$sql = "INSERT INTO Users (Name, Email, Username, Password) VALUES ('$name', '$email', '$un', '$pwd')";

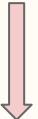
if ($conn->query($sql) === TRUE) {
    echo "<h2 class = 'subtitle' align = 'center'>Account Successfully Created</h2>";
    echo "<p align = 'center'>Please check your email to verify your account details</p>";
} else {
    echo "<h2 class = 'subtitle' align = 'center'>Error. Please Try Again.</h2>";
}

$conn->close();

?>
```

```
MariaDB [shirani4]> select * FROM Users;
+-----+-----+-----+-----+
| Name      | Email        | Username | Password |
+-----+-----+-----+-----+
| Nadiya Noor | nnoor@gmail.com | nadiya   | nadiya123 |
| Samina Hirani | shirani@gmail.com | samina   | samina123 |
| Avneet     | test@gmail.com | test     | avneet98  |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

### Primary Key



# Work Division - Samina

## login.php

```
<?php

include("accountconfig.php");
$un = $_POST["un"];
$pwd = $_POST["pwd"];
$sql = "SELECT Name FROM Users WHERE Username='$un' AND Password='$pwd'";
$result = $conn->query($sql);

if($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        $_SESSION["name"] = $row["Name"];
        //echo "Welcome " . $row["Name"] . "<br>";
    }
    echo "<br/><br/><h2 class = 'subtitle' align = 'center'>Welcome, " . $_SESSION['name'] . "!" . "</h2>";

//if the session variable is set even if this page is reloaded, display the welcome message
} else if(isset($_SESSION["name"])){
    echo "<br/><br/><h2 class = 'subtitle' align = 'center'>Welcome, " . $_SESSION['name'] . "!" . "</h2>";

//if the session variable is not set / user login info is incorrect, redirect to the account.html page
} else {
    echo '<script>window.location.href = "account.html";</script>';
}

$conn->close();

?>
```

```
MariaDB [shirani4]> select * FROM Users;
+-----+-----+-----+-----+
| Name      | Email       | Username | Password |
+-----+-----+-----+-----+
| Nadiya Noor | nnoor@gmail.com | nadiya   | nadiya123 |
| Samina Hirani | shirani@gmail.com | samina   | samina123 |
| Avneet     | test@gmail.com | test     | avneet98  |
+-----+-----+-----+-----+
```

# Work Division - Samina

## login.php

The following code displays the user's name on the page and on the nav bar only on login.php. It also directs "Account" to login.php.

```
<li>
    <a href="login.php" class="nav-links linkActive">Account</a>
</li>
<li><a href="" class="nav-links"><?php echo "Welcome, " . $_SESSION["name"] . "!" ; ?></a>
</li>
<li>
    <a href="cart.php" class="nav-links"><i class="fas fa-shopping-cart"></i></a>
</li>
```

# Work Division - Samina

## logout.php

The following code redirects the user to the home page after destroying the session variables.

```
<?php
    echo '<script>window.location.href = "index.html";</script>';
    session_start();
    // remove all session variables
    session_unset();

    // destroy the session
    session_destroy();
?>
<html>
<body>
<script>
</body>
</html>
```

# Work Division - Aneet

## Shopping Cart - cartconfig.php

```
//If the 'Add to Cart' button is clicked, execute the following code
if (isset($_POST["add"])){
    if (isset($_SESSION["cart"])){

        //If the cart already contains items, then check to see
        //if the current item is already in the cart.

        $item_array_id = array_column($_SESSION["cart"], "productID");

        //If the item is not in the cart, add it to the end of the
        //cart/the $_SESSION["cart"] array.
        if (!in_array($_GET["id"], $item_array_id)){
            $count = count($_SESSION["cart"]);
            $item_array = array(
                'productID' => $_GET["id"], //Gets the item's id from the URL
                'productName' => $_POST["hidden_name"],
                'productPrice' => $_POST["hidden_price"],
                'productInventory' => $_POST["hidden_inventory"],
                'productQuantity' => $_POST["quantity"],
            );
            $_SESSION["cart"][$count] = $item_array;
            //Each time an item is added to cart, go to the cart page.
            echo '<script>window.location="cart.php"</script>';
        }
    }
}
```

Adding items to the cart  
when it already contains  
items other than the item  
being added

# Work Division - Aneet

## Shopping Cart - cartconfig.php

```
 }else{
    //The item is already in the cart.
    echo '<script>alert("Product has already been added to cart.")</script>';
    echo '<script>window.location="cart.php"</script>';
}
}else{

//If the cart is empty, this should be the first item added to the
//$_SESSION["cart"] array.

$item_array = array(
    'productID' => $_GET["id"],
    'productName' => $_POST["hidden_name"],
    'productPrice' => $_POST["hidden_price"],
    'productInventory' => $_POST["hidden_inventory"],
    'productQuantity' => $_POST["quantity"],
);
$_SESSION["cart"][0] = $item_array;
}
```

Adding items  
to the cart  
when it is  
empty.

# Work Division - Aneet

## Shopping Cart - cartconfig.php

```
//URL for deleting an item from the cart:  
//<a href="cart.php?action=delete&id=<?php echo $value["productID"]">  
if (isset($_GET["action"])) {  
    if ($_GET["action"] == "delete") {  
        foreach ($_SESSION["cart"] as $keys => $value) {  
            if ($value["productID"] == $_GET["id"]) {  
                $productIDReference = $value["productID"];  
                $productInventoryReference = $value["productInventory"];  
                $productQuantityReference = $value["productQuantity"];  
  
                //Remove the item and its fields from the $_SESSION["cart"]  
                unset($_SESSION["cart"][$keys]);  
  
                //Increment the inventory in the database by quantity after removing the item  
                $sql = "UPDATE Products SET Inventory = " . ($productInventoryReference +  
                    $productQuantityReference) . " WHERE ID = " . $productIDReference;  
                $result = mysqli_query($conn, $sql);  
  
                //Reload cart.php page  
                echo '<script>window.location="cart.php"</script>';  
            }  
        }  
    }  
}
```

Deleting an item from the cart and not the entire array holding the items.

# Work Division - Aoneet

## Shopping Cart - MySQL Database



*Caramel Pecan Cupcake*



This pecan cupcake is made with a moist vanilla and cinnamon cupcake plenty of toasted butter pecans. It's topped with light cinnamon and sweet caramel.

Price: \$2.00 each

Low In Stock

Database changed					
MariaDB [asethi2]> select * FROM Products;					
ID	ProductName	Image	Price	Inventory	
1	Chocolate Vanilla Cupcake	images/Cupcake1.jpeg	1.5	30	
2	Vanilla Rainbow Sprinkle	NULL	1.5	67	
3	Unicorn Cupcake	NULL	2.5	101	
4	Fruity Tooty	NULL	2	101	
5	Triple Chocolate Cupcake	NULL	1.75	100	
6	Caramel Pecan Cupcake	NULL	2	100	

6 rows in set (0.00 sec)

# Work Division - Aoneet

## Shopping Cart - cupcake1.php

```
<?php  
$sql = "SELECT * FROM Products WHERE ID = 1";  
    $result = mysqli_query($conn, $sql);  
    if (mysqli_num_rows($result) > 0) {  
        $row1 = mysqli_fetch_array($result);  
    }  
?  
  
<form method="post" action="cart.php?action=add&id=<?php echo $row1["ID"]; ?>">  
    <input type="text" name="quantity" value = "1">  
    <input type="hidden" name="hidden_name" value="<?php echo $row1["ProductName"]; ?>">  
    <input type="hidden" name="hidden_price" value="<?php echo $row1["Price"]; ?>">  
    <input type="hidden" name="hidden_inventory" value="<?php echo $row1["Inventory"]; ?>">  
    <input type="submit" name="add" style="margin-top: 5px;" value="Add to Cart">  
</form>
```

Get the info for each cupcake by selecting the corresponding row.

# Work Division - Aoneet

## Shopping Cart - cart.php - Displaying the Table

```
<h2 class="subtitle" align = "center">Your Items</h2>
<table cellpadding = "20">
    <tr>
        <th>Product Name</th>
        <th>Quantity</th>
        <th>Price Details</th>
        <th>Total Price</th>
        <th>Remove Item</th>
    </tr>

    <?php
        if(!empty($_SESSION["cart"])){
            $total = 0;
            foreach ($_SESSION["cart"] as $key => $value) {
    ?>

    <tr>
        <td align = "center"><?php echo $value["productName"]; ?></td>
        <td align = "center"><?php echo $value["productQuantity"]; ?></td>
        <td align = "center">$ <?php echo $value["productPrice"]; ?></td>
        <td align = "center">
            $ <?php echo number_format($value["productQuantity"] * $value["productPrice"], 2); ?></td>
        <td align = "center"><a href="cart.php?action=delete&id=<?php echo $value["productID"]; ?>">
            <span><i class="fas fa-trash"></i></span></a></td>
    </tr>

```

For each item in the  
\$\_SESSION["cart"] array, display the  
value in each of its fields

# Work Division - Nadiya

## Auto-Detecting Credit Card Type and Payment.html

```
function checkCard() {
    var cardNo = document.getElementById("cardNo").value;
    var masterPatt = /^(?:5[1-5]) [0-9]{14}$/;
    var visaPatt = /^4[0-9]{15}$/;
    var amexPatt = /^3[47][0-9]{13}$/;
    var discoverPatt = /^6(?:011|5[0-9]{2}) [0-9]{12}$/;

    var mastercard = cardNo.match(masterPatt);
    var visa = cardNo.match(visaPatt);
    var amex = cardNo.match(amexPatt);
    var discover = cardNo.match(discoverPatt);

    if(cardNo === "") {
        document.getElementById("ccheck").innerHTML = "*Required Field";
    }else {
        document.getElementById("ccheck").innerHTML = "";
    }

    if(cardNo != "") {
        if (mastercard != null){
            document.getElementById("cardName").innerHTML = 'MasterCard';
        }else if (visa != null){
            document.getElementById("cardName").innerHTML = 'Visa';
        }else if (amex != null){
            document.getElementById("cardName").innerHTML = 'American Express';
        }else if (discover != null){
            document.getElementById("cardName").innerHTML = 'Discover';
        }else{
            document.getElementById("ccheck").innerHTML = 'Not a valid card number';
        }
    }
}
```



Payment

### Card Information

Name on Card  
5275123412342222  
MasterCard  
Exp. MM  
/ Exp. YY  
Security Code

### Contact Information

Address  
Billing Address  
Phone Number  
Complete Order

# Confirmation

# Work Division - Nadiya

## completeOrder.php

```
<?php  
  
session_start();  
  
//After completing the purchase, the items should  
//be removed from the cart.  
unset($_SESSION["cart"]);  
  
?>  
  
<div align = "center"> <?php echo "Hi, " . $_SESSION['name'] . "!" ; ?> Thank you for your order.  
It will be ready by tomorrow. </div>  
  
</br></br>  
  
<div align = "center"> Your order confirmation number is: <?php echo rand(1000,4000) ?>. </div>  
  
</br></br>  
  
<h2 class="subtitle" align = "center">Want more cupcakes? Check these out!</h2>  
  
</br></br></br>
```



Hi, Avneet! Thank you for your order. It will be ready by tomorrow.

Your order confirmation number is: 3357.

Want more cupcakes? Check these out!



# Work Division - Nadiya

## Individual Cupcake Pages



*Chocolate Vanilla Cupcake*

Our popular chocolate vanilla cupcake is layered with lemon curd, whipped cream, fresh raspberries and raspberry preserves. Finished with white and milk chocolate cream cheese icing.

Price: \$1.50 each

Quantity:

Add to Cart

*Unicorn Cupcake*

Our special unicorn cupcake is made with a vanilla and white chocolate cake. It's topped with white vanilla frosting and decorated with unicorn horns and gold edible sparkles.

Price: \$2.50 each

Add to Cart



# Resources

- Tutorial for creating a shopping cart:  
<https://www.youtube.com/watch?v=IO5ezsURqyg&t=135s>
- w3Schools, StackOverflow

*The End*