

# KNOWLEDGE CART

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## **ABSTRACT**

To make learning and gaining knowledge a continuous and entertaining process for each and every student or a learner. This application is based on learn to earn concept, where a connection is established directly between a student and a seller, who sells all kind of stationary products. The students have to answer very simple questions to gain credits which are used to buy stationary products from different sellers through this application named 'Knowledge Cart'.

## **ENTITY RELATIONSHIP DIAGRAM**

**Entity Relationship Diagram:** Entity relationship diagram displays the relationships of entity set stored in a database. In other words, we can say that ER diagrams help you to explain the logical structure of databases. At first look, an ER diagram looks very similar to the flowchart. However, ER Diagram includes many specialized symbols, and its meanings make this model unique.

### **Prime reasons for using the ER Diagram:**

- Helps you to define terms related to entity relationship modelling.
- Provide a preview of how all your tables should connect, what fields are going to be on each table.
- Helps to describe entities, attributes, relationships.
- ER diagrams are translatable into relational tables which allows you to build databases quickly.
- ER diagrams can be used by database designers as a blueprint for implementing data in specific software applications.

- The database designer gains a better understanding of the information to be contained in the database with the help of ERP diagram.
- ERD is allowed you to communicate with the logical structure of the database to users.

### **Components of ER Diagram:**

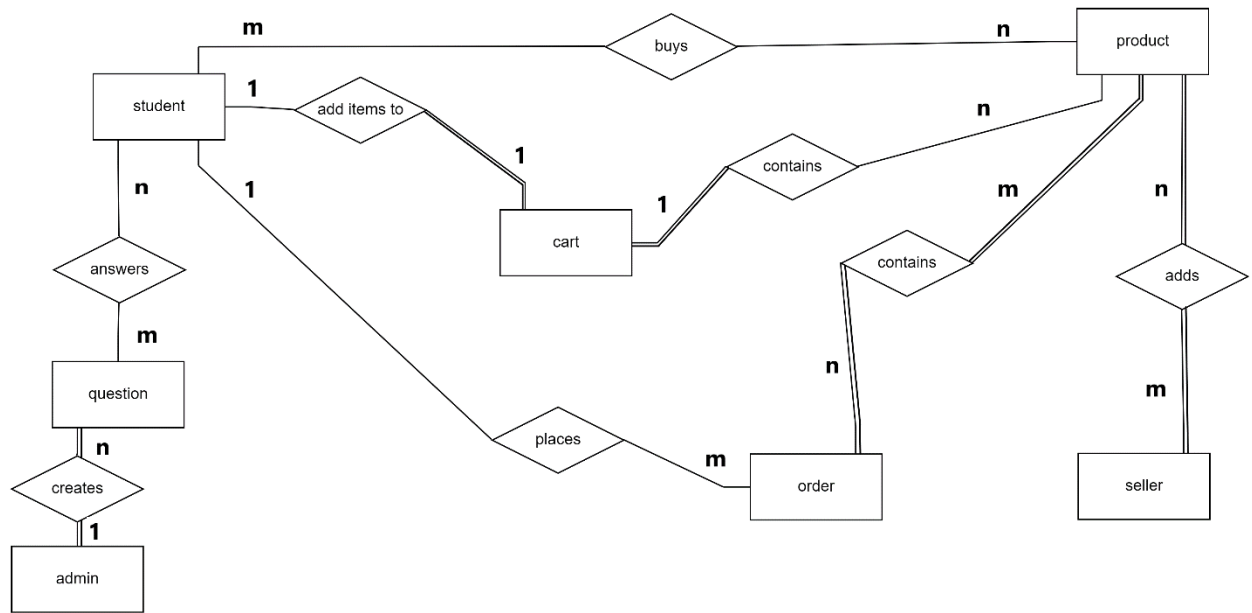
There are three types of components in ER Diagram as;

**Entity:** An entity is a real-world object that are represented in database. It can be any object, place, person or class. Data are stored about such entities.

**Attribute:** An attribute refers to a database component, such as a table. It also may refer to a database field. Attributes describe the instances in the row of a database.

**Relation:** A Database relation simply refers to an individual table in a relational database. In a relational database, the table is a relation because it stores the relation between data in its column-row format. The columns are the table's attributes, while the rows represent the data records.

## ER diagram:



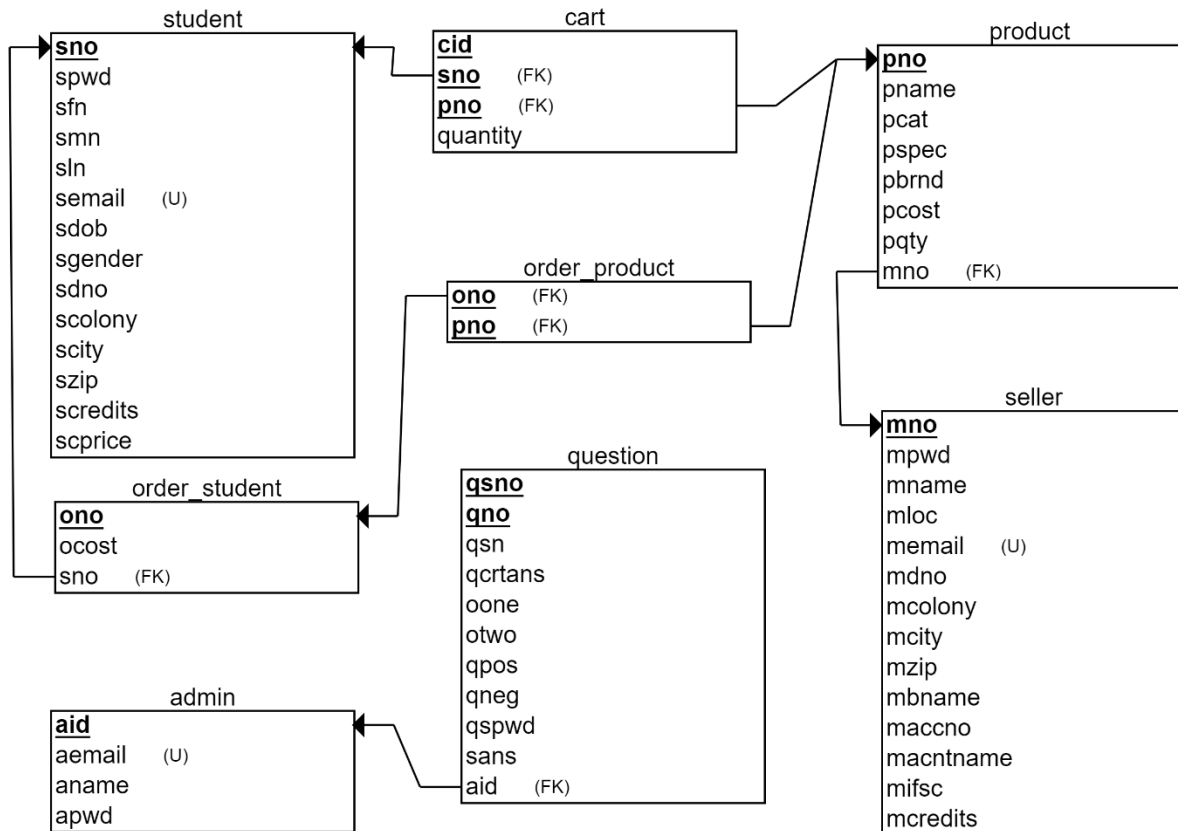
## **TABLES**

We use normalization technique for tables or entities to avoid the anomalies(Insert, Delete, Update).

‘Normalization’ is a database design technique which organizes tables in a manner that reduces redundancy and dependency of data. It divides larger tables to smaller tables and links them using relationships.

Normalized tables:

1. admin
2. student
3. seller
4. question
5. product
6. cart
7. order\_student
8. order\_product



## **TECHNOLOGIES USED**

### **1. Hyper Text Markup Language (HTML)**

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as Java Script.

### **2. Cascading Style Sheets (CSS)**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and Java Script.

### **3.PHP**

Hypertext Pre-processor is a server-side scripting language designed for Web development, and also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group.

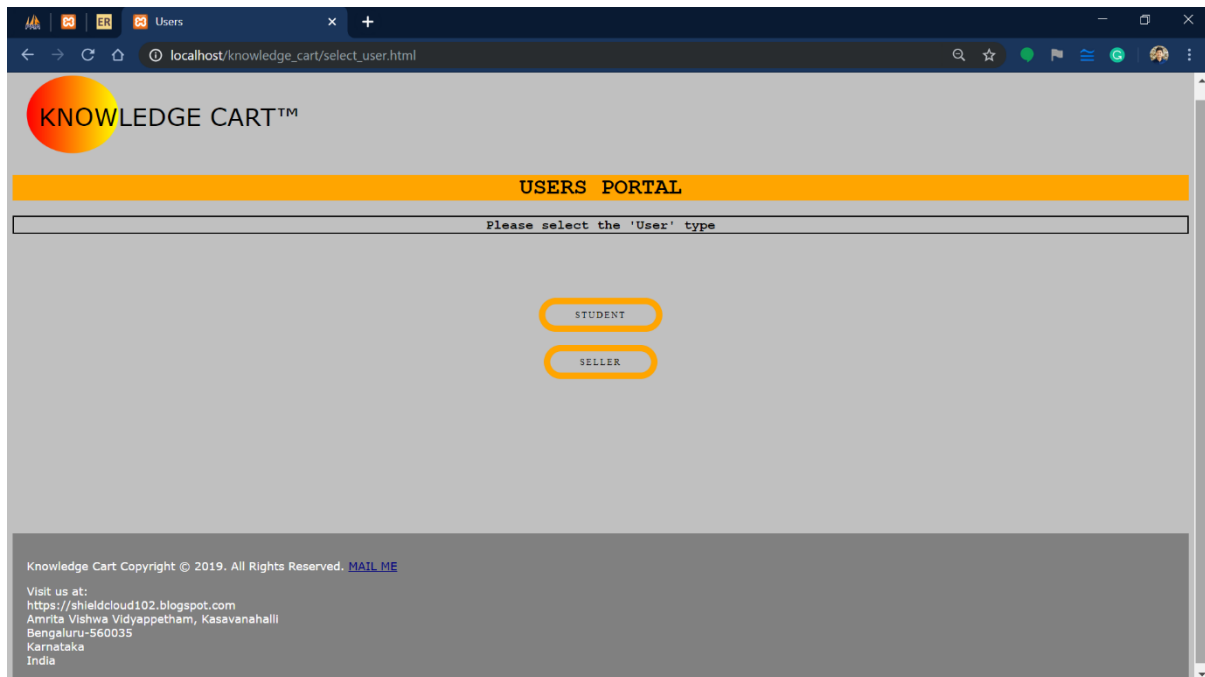
### **MySQL:**

MySQL is an open-source relational database management system. Its name is a combination of “My”, the name of co-founder Michael Widenius’s daughter, and “SQL”, the abbreviation for Structured Query Language.

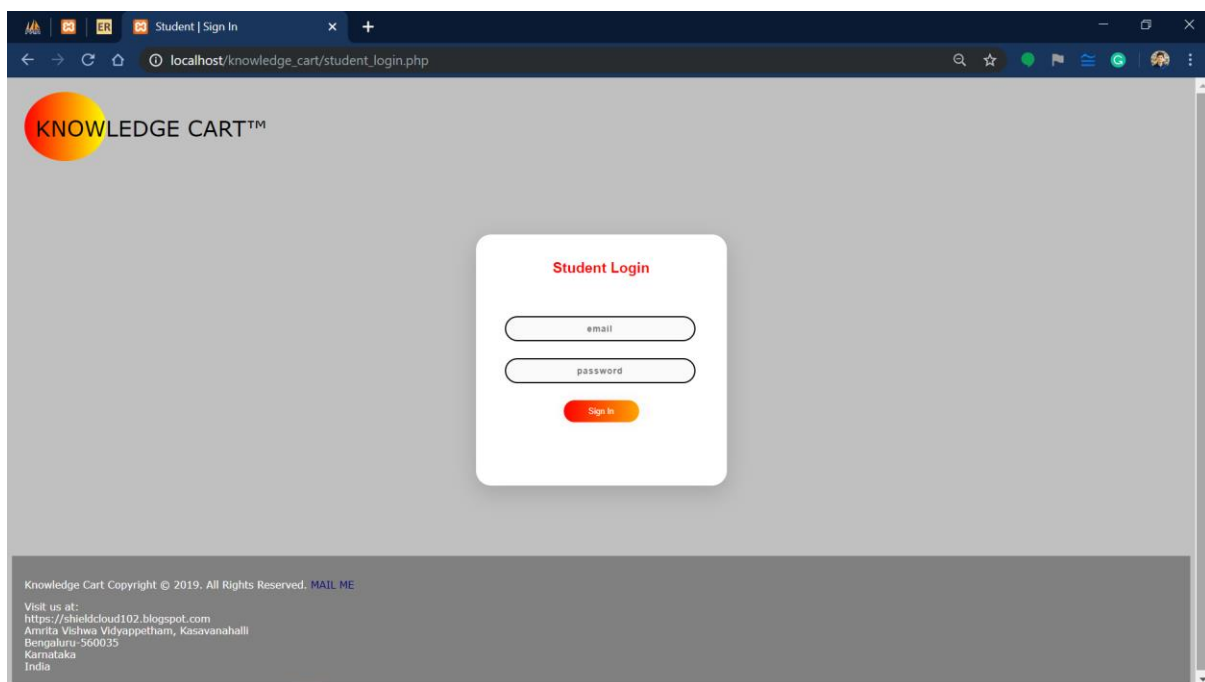


# MODULES

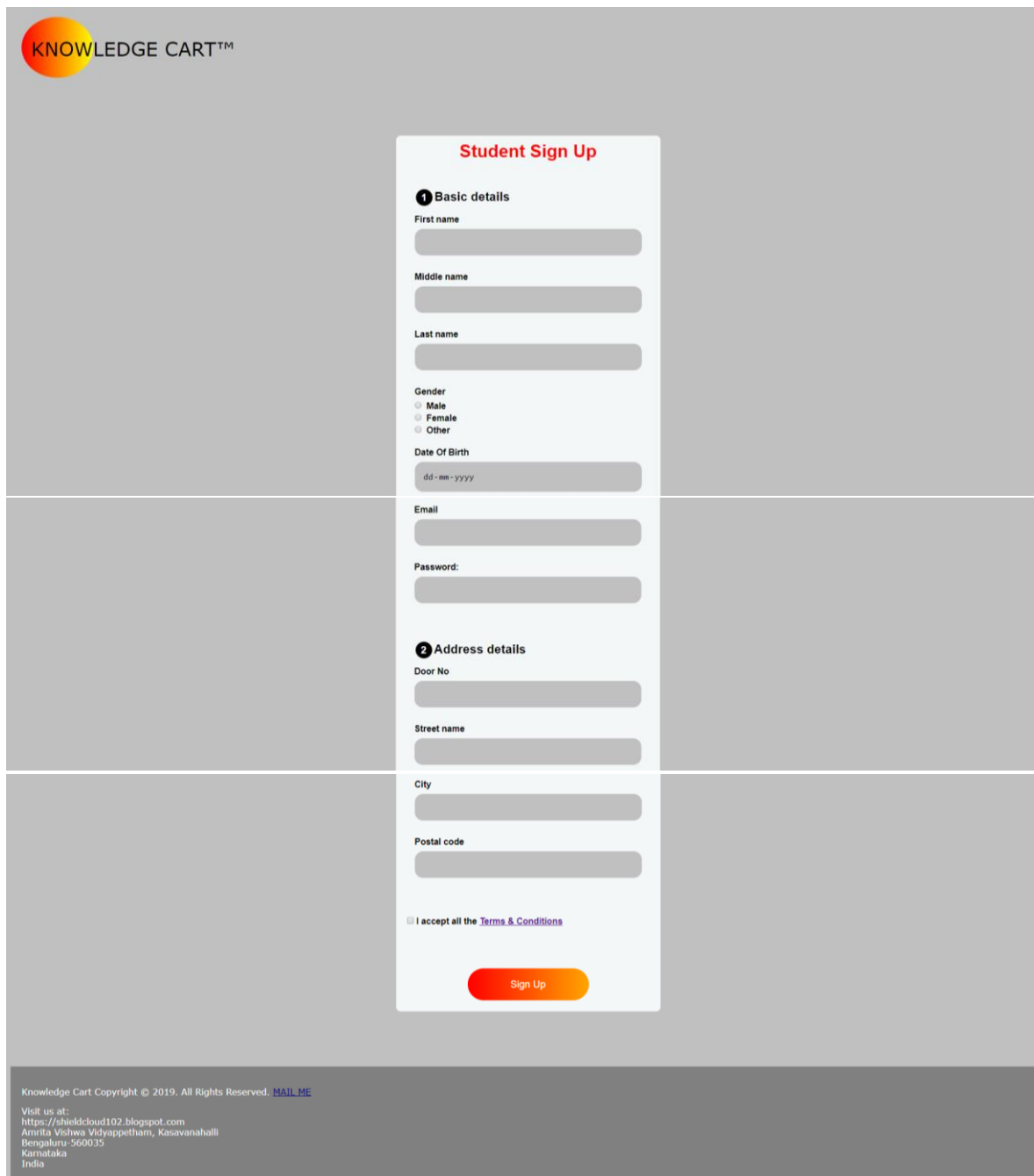
## 1. Select User module



## 2. Student Login module (Similarly Seller and Admin Login modules)



### 3. Student Signup module (Similarly Seller Signup and Student & Seller Update details module)



The image shows a 'Student Sign Up' form interface. At the top left is the 'KNOWLEDGE CART™' logo. The form is titled 'Student Sign Up' in red. It is divided into two sections: '1 Basic details' and '2 Address details'. The 'Basic details' section includes input fields for 'First name', 'Middle name', and 'Last name'. Below these are radio buttons for 'Gender' (Male, Female, Other) and a 'Date Of Birth' field with a placeholder 'dd-mm-yyyy'. The 'Address details' section includes input fields for 'Door No', 'Street name', 'City', and 'Postal code'. At the bottom of the form is a checkbox labeled 'I accept all the Terms & Conditions' and a red 'Sign Up' button. The footer contains copyright information for Knowledge Cart, a link to 'MAIL ME', and contact details for Amrita Vishwa Vidyapeetham in Bengaluru, Karnataka, India.

**KNOWLEDGE CART™**

### Student Sign Up

**1 Basic details**

First name

Middle name

Last name

Gender

☐ Male

☐ Female

☐ Other

Date Of Birth

dd-mm-yyyy

Email

Password:

**2 Address details**

Door No

Street name

City

Postal code

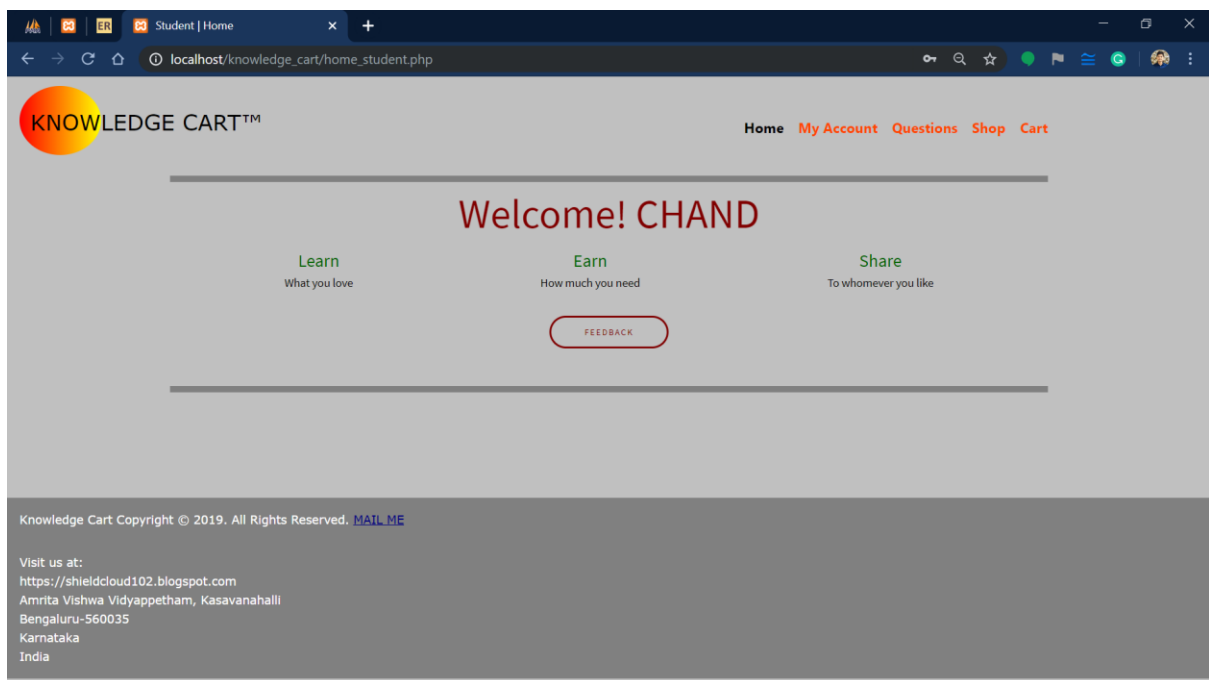
☐ I accept all the [Terms & Conditions](#)

**Sign Up**

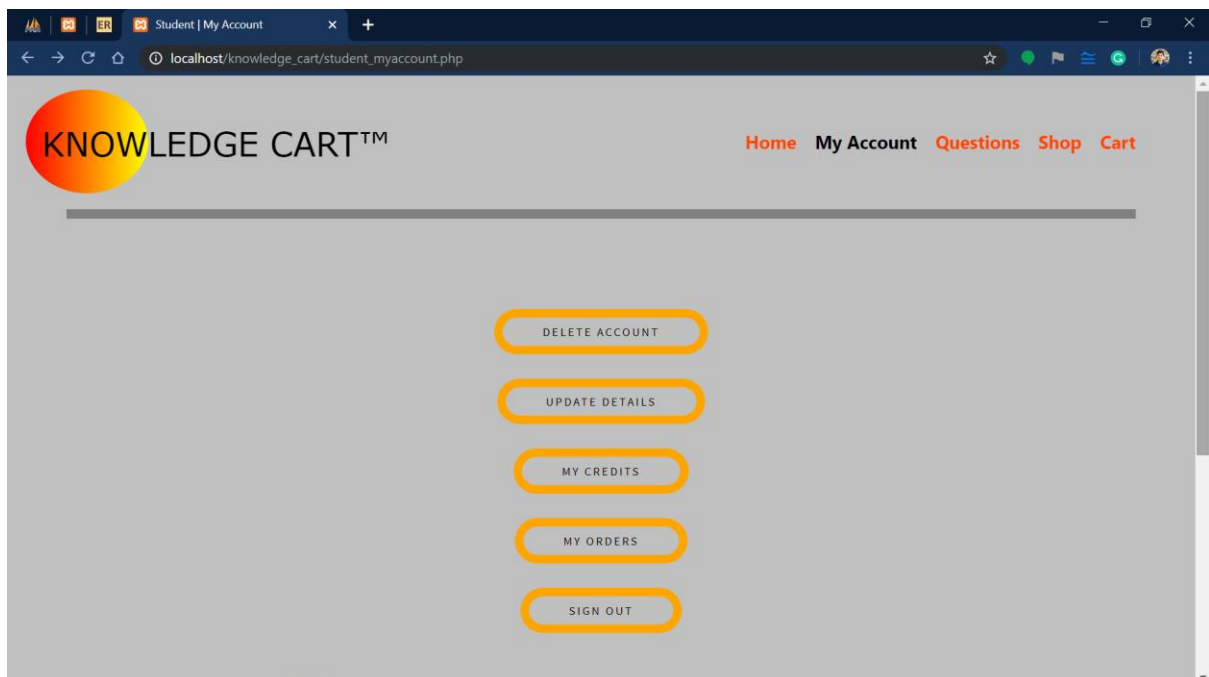
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 India

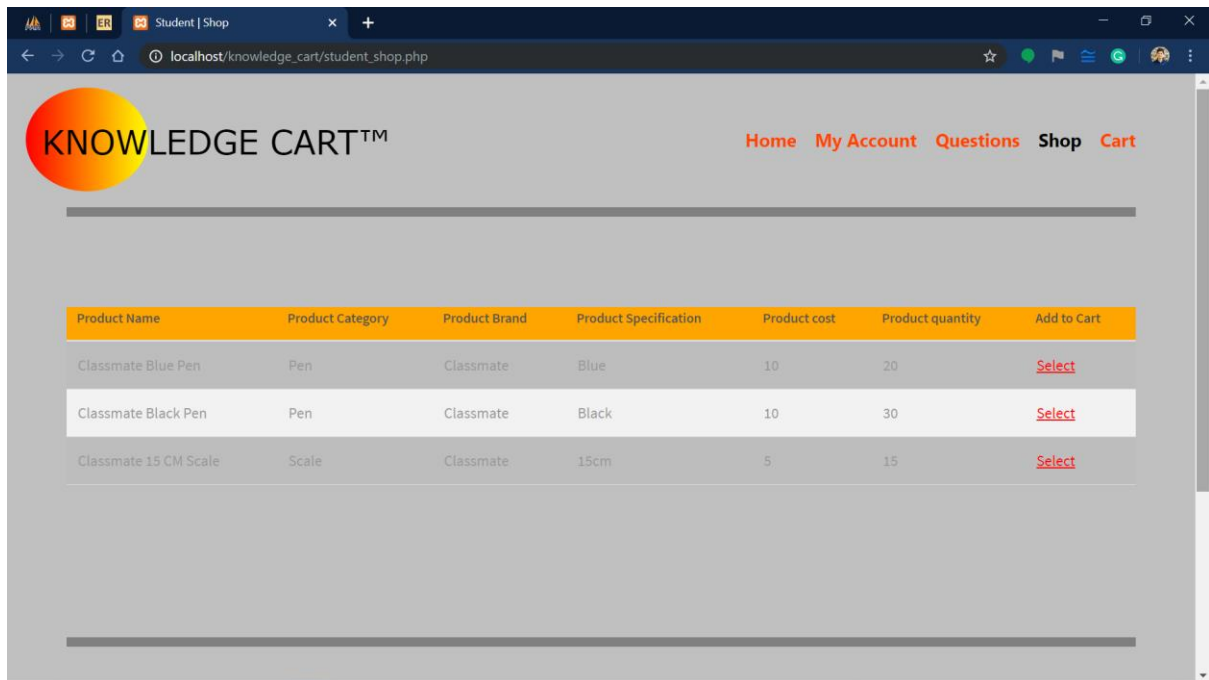
#### 4.Student Homepage module (Similarly Seller Homepage module)



#### 5.Student My Account module (Similarly Seller My Account module)

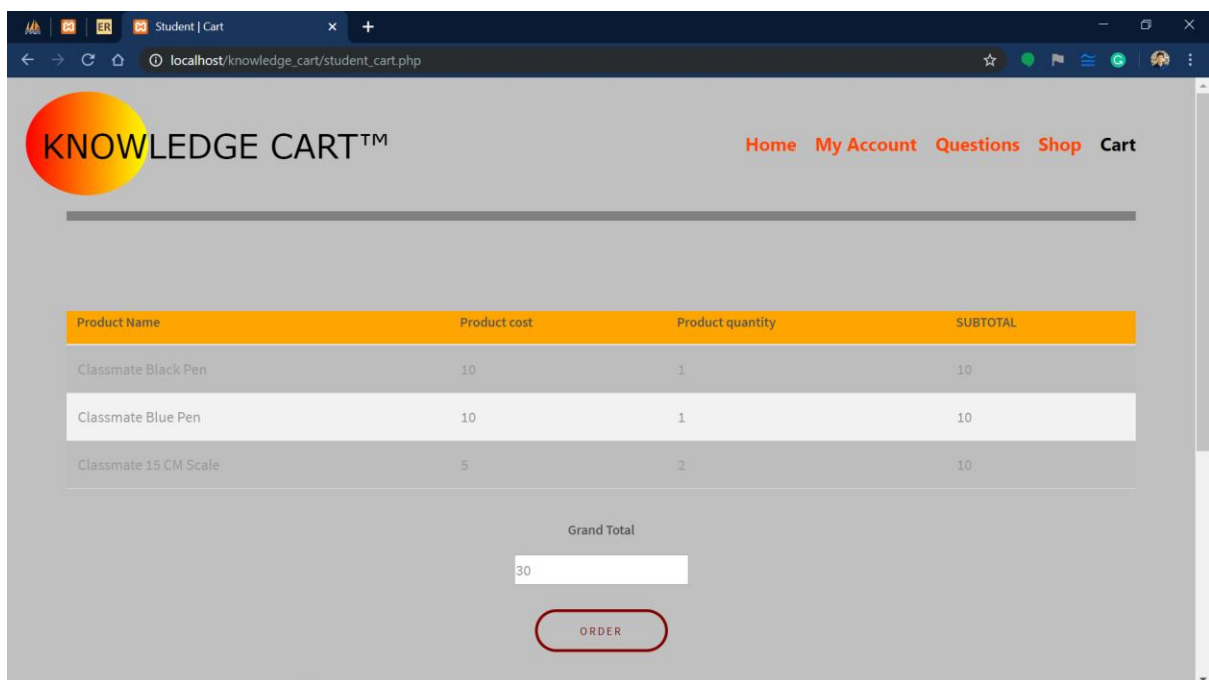


## 6.Student Shop module



Product Name	Product Category	Product Brand	Product Specification	Product cost	Product quantity	Add to Cart
Classmate Blue Pen	Pen	Classmate	Blue	10	20	<a href="#">Select</a>
Classmate Black Pen	Pen	Classmate	Black	10	30	<a href="#">Select</a>
Classmate 15 CM Scale	Scale	Classmate	15cm	5	15	<a href="#">Select</a>

## 7.Student Cart module



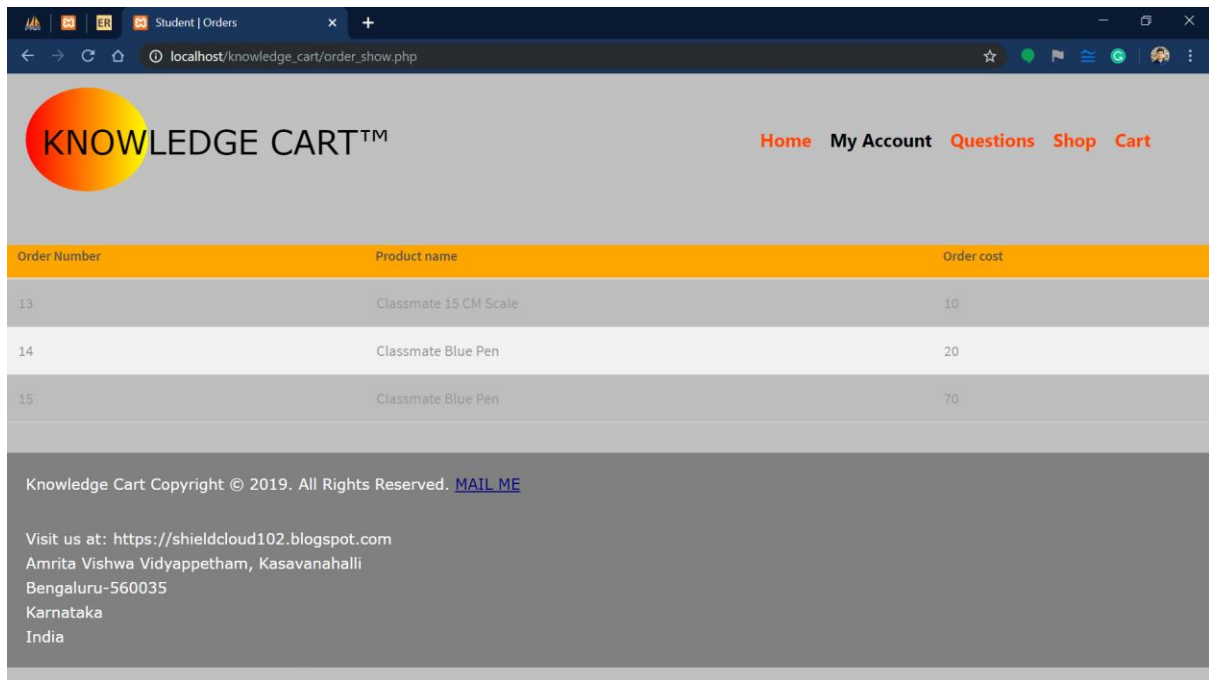
Product Name	Product cost	Product quantity	SUBTOTAL
Classmate Black Pen	10	1	10
Classmate Blue Pen	10	1	10
Classmate 15 CM Scale	5	2	10

Grand Total

30

[ORDER](#)

## 8. Student Orders module (Similarly for Seller)

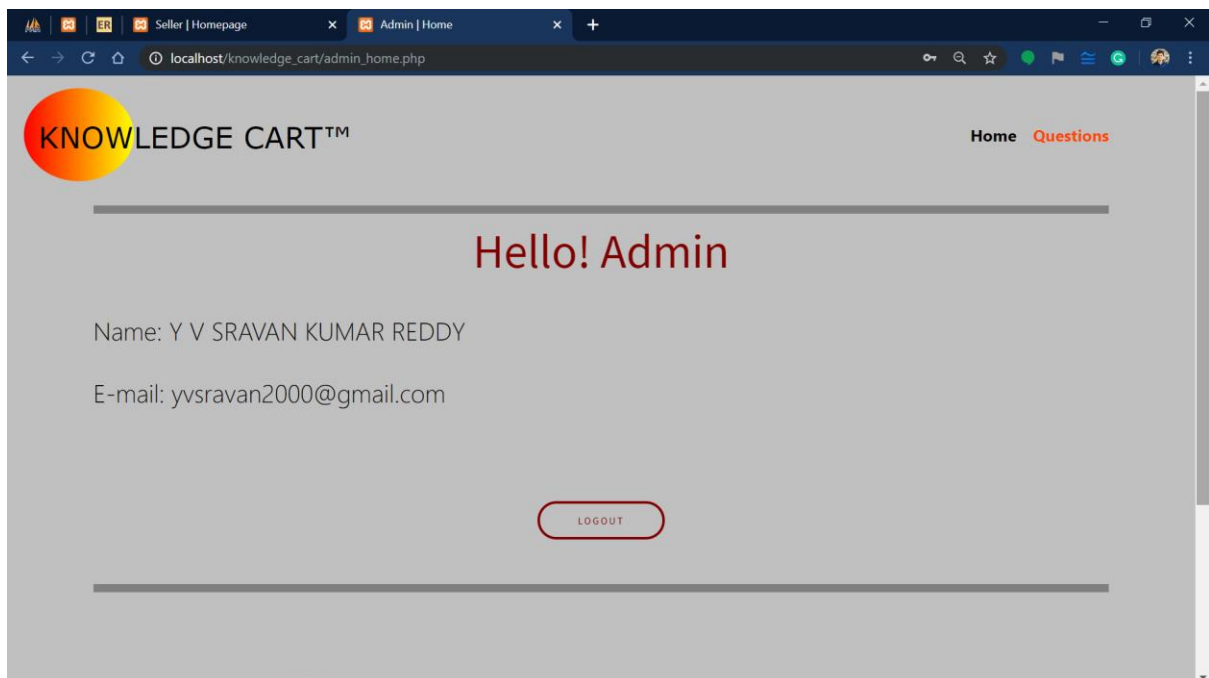


Order Number	Product name	Order cost
13	Classmate 15 CM Scale	10
14	Classmate Blue Pen	20
15	Classmate Blue Pen	70

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 India

## 9. Admin Homepage module



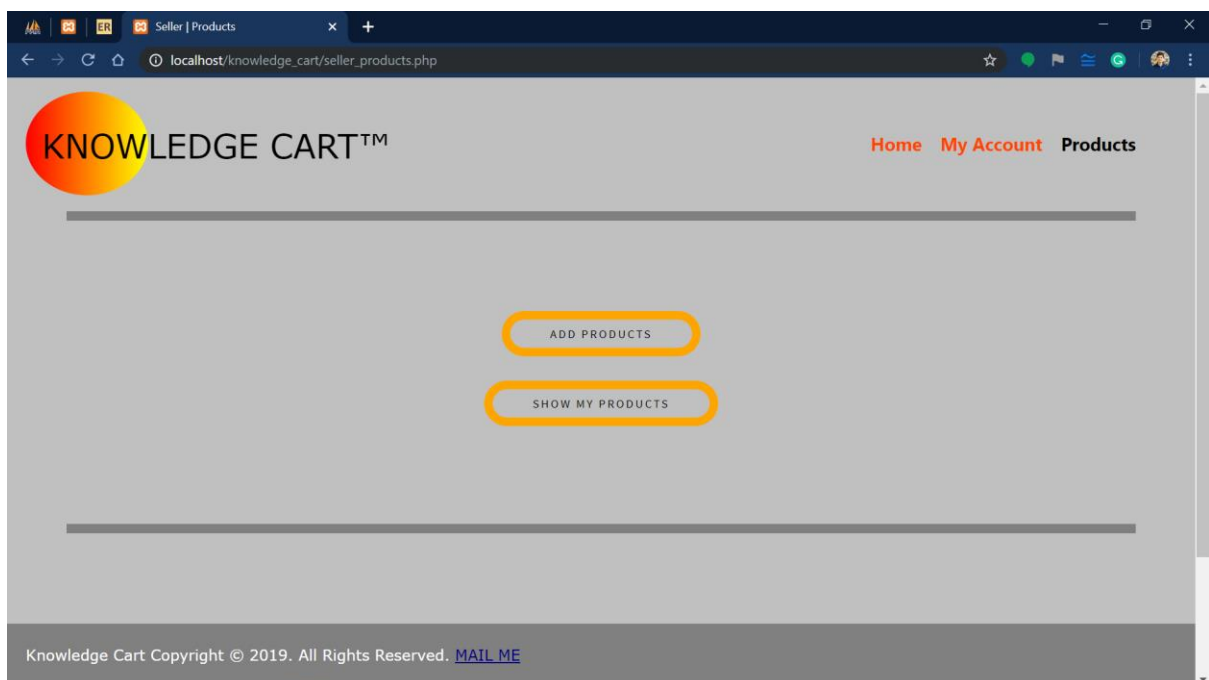
## 10.Add Questions page by admin

The screenshot shows a web browser window with the URL `localhost/knowledge_cart/add_questions.php`. The page features a central form titled "Add Questions" with the following input fields:

- Enter question set number
- Enter question set password
- Enter question number
- Enter question
- Enter option 1 (json)
- Enter option 2 (json)
- Enter correct answer
- Enter positive marks
- Enter negative marks

At the bottom of the form is a red button labeled "ADD QUESTIONS". The footer of the page contains copyright information: "Knowledge Cart Copyright © 2019. All Rights Reserved. [MAIL ME](#)".

## 11.Seller Products module



## 12.Add Products page by Seller

**KNOWLEDGE CART™**

**Add Products**

Select brand  
 --

Select category  
 --

Select specification  
 --

Product name  
 Brand-Category-Specification

Product cost

Product quantity

☐ I accept all the [Terms & Conditions](#)

**Add Product**

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## 13.Show my Products page by Seller

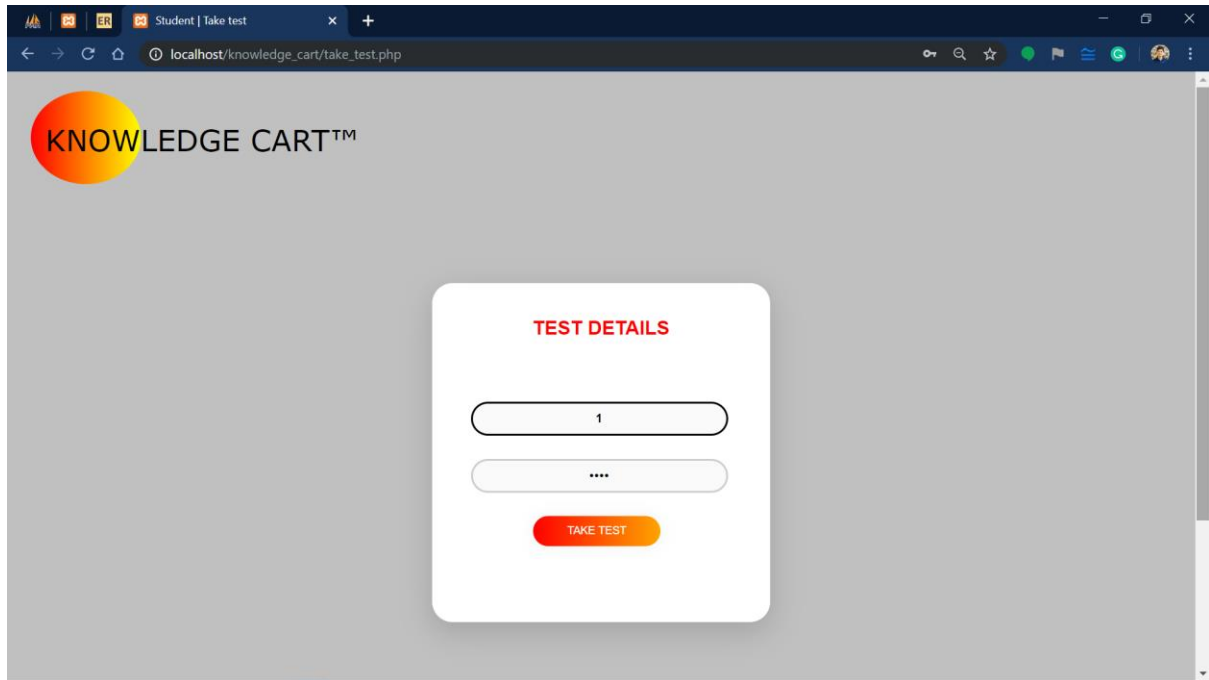
**KNOWLEDGE CART™**

Product Name	Product Category	Product Brand	Product Specification	Product cost	Product quantity
Classmate Blue Pen	Pen	Classmate	Blue	10	20
Classmate Black Pen	Pen	Classmate	Black	10	30

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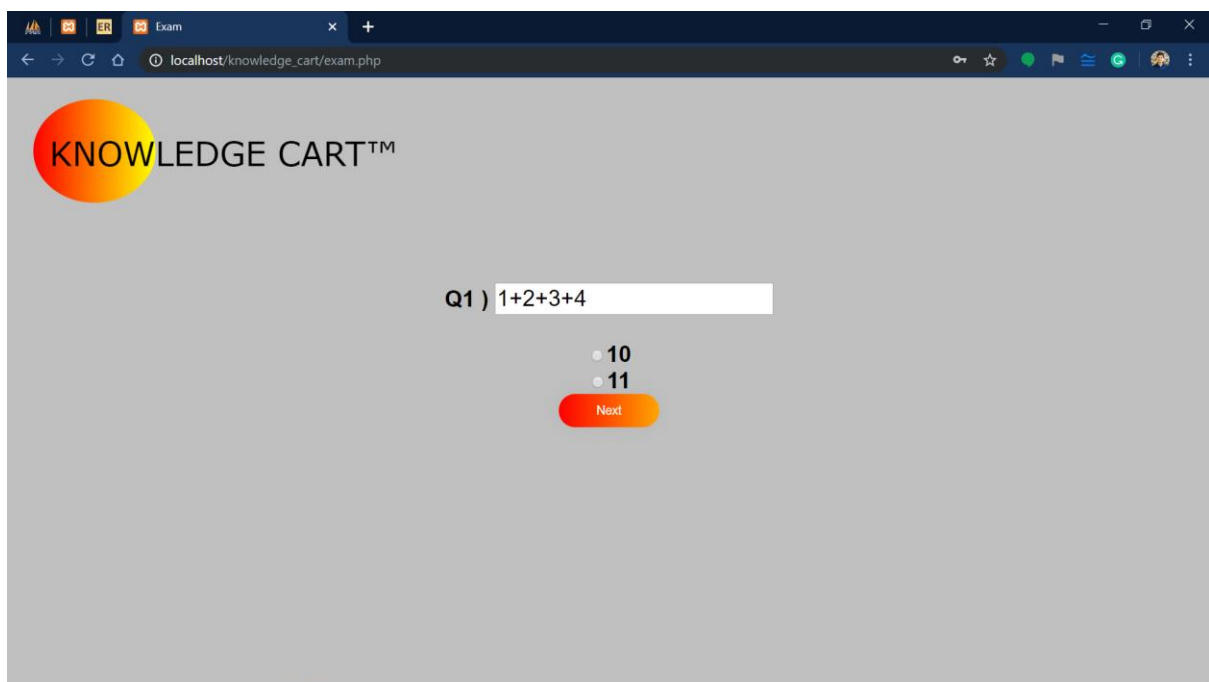
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 Bengaluru-560035  
 Karnataka  
 India

## 14.Student Question Set Login module



The screenshot shows a web browser window with the address bar displaying "localhost/knowledge\_cart/take\_test.php". The page features the "KNOWLEDGE CART™" logo in the top left corner. In the center, there is a white rounded rectangle titled "TEST DETAILS" in red. Below the title, there are two input fields: the first contains the number "1", and the second contains four asterisks "\*\*\*\*". At the bottom of this rectangle is a red button with the text "TAKE TEST" in white.

## 15.Student Exam module



The screenshot shows a web browser window with the address bar displaying "localhost/knowledge\_cart/exam.php". The page features the "KNOWLEDGE CART™" logo in the top left corner. In the center, there is a question labeled "Q1 )" followed by a text input field containing the expression  $1+2+3+4$ . Below the input field, there are two radio button options: "10" and "11". At the bottom of the question area is a red button with the text "Next" in white.



## **CONCLUSION**

Overall the Application gives solution for all the students and learners who are facing problems in the learning and gaining knowledge processes. Also, the student can gain knowledge using this. By allowing multiple sellers to sell their stationary products they can earn money. Hence, we conclude our project, 'Knowledge Cart' is the solution to all the above problems.

## **REFERENCES**

1. [www.w3schools.com](http://www.w3schools.com)
2. [www.geeksforgeeks.org](http://www.geeksforgeeks.org)
3. [www.wikipedia.org/wiki/Database](http://www.wikipedia.org/wiki/Database)

## CODE SNIPPETS

### ( connection.php )

```
<?php

define('DB_HOST','localhost');

define('DB_USERNAME','root');

define('DB_PASSWORD','');

define('DB_NAME','knowledge_cart');

define('COUNT',6);

$dbc=mysqli_connect(DB_HOST,DB_USERNAME,DB_PASSWORD,DB_NAME) or die('error connecting
with database');

?>
```

### ( select\_user.html )

```
<!DOCTYPE HTML>

<html>

<head>

<title>Users</title>

<link rel="stylesheet" href="css/user_button.css" />

</head>

<body>

<body style="background-color:silver;">

<svg height="130" width="500">

<defs>

<linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">

<stop offset="0%"

style="stop-color:red;stop-opacity:1" />

<stop offset="100%"

style="stop-color:yellow;stop-opacity:1" />

</linearGradient>

</defs>

<ellipse cx="85" cy="70" rx="65" ry="55" fill="url(#grad1)" />

<text fill="#000000" font-size="35" font-family="Verdana" x="37" y="86">KNOWLEDGE
CART&#8482;</text>
```

```

</svg>

<h1 style="background-color:orange; text-align:center;font-family:courier">USERS PORTAL</h1>

<h3 style="border:2px solid Black;font-family:courier;text-align:center;">Please select the 'User' type</h3>

<br><br><br>

<section id="banner">

  <div class="inner">

    <footer>

      <a href="http://localhost/knowledge_cart/student_select.html" class="button">Student</a><br><br>

      <a href="http://localhost/knowledge_cart/seller_select.html" class="button"> Seller</a>

      <br><br><br>

    </footer>

  </div>

</section>

<br><br>

<div style="background-color:grey;color:white;padding:20px;">

  <address class="cr">

    <p>Knowledge Cart Copyright &#169; 2019. All Rights Reserved.

      <a href="mailto:sravan.reddy.99999@gmail.com">MAIL ME</a>

    </p>

    Visit us at: <br>

    https://shieldcloud102.blogspot.com<br>

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    Karnataka<br>

    India<br>

  </address>

</div>

</body>

</html>

```

**(student\_login.php)**

```

<?php

include('connection.php');

if($_POST){

    $email=$_POST['semail'];

```

```

$pwd=$_POST['temp_pwd'];

$sql="SELECT * FROM `student` WHERE `semail`='$email' AND `spwd`='$pwd'";

$result=mysqli_query($dbc,$sql);

if(mysqli_num_rows($result)==1){

    session_start();

    $sql1=mysqli_query($dbc,"SELECT * FROM `student` WHERE `semail`='$email' AND
`spwd`='$pwd'");

    $res=mysqli_fetch_array($sql1);

    $_SESSION['semail']=$email;

    $_SESSION['sname']=$res['sln'];

    $_SESSION['sno']=$res['sno'];

    $_SESSION['scredits']=$res['scredits'];

    header("location:home_student.php");

}

else{

    echo "<script>alert('Invalid Student Login Credentials!')</script>";

}

}

?>

<?php

session_start();

if(isset($_SESSION['semail'])){

    header("Location: home_student.php");}

?>

<html>

<head>

    <link rel="stylesheet" href="css/style.css">

    <title>Student | Sign In</title>

</head>

<body>

<svg height="130" width="500">

    <defs>

        <linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">

            <stop offset="0%"

                style="stop-color:red;stop-opacity:1" />

```

```

        <stop offset="100% "
        style="stop-color:yellow;stop-opacity:1" />
    </linearGradient>
</defs>

<ellipse cx="85" cy="70" rx="65" ry="55" fill="url(#grad1)" />
<text fill="#000000" font-size="35" font-family="Verdana"
x="37" y="86">KNOWLEDGE CART&#8482;</text>
</svg>
<div class="main">
    <p class="sign" align="center">Student Login</p>
    <form class="form1" method="post">
        <input class="un" name="semail" type="email" align="center" placeholder="email" required>
        <input class="pass" name="temp_pwd" type="password" align="center" placeholder="password"
required>
        <input type="submit" name="Submit" value="Sign In" class="submit">
    </form>
</div>
<div style="background-color:grey;color:white;padding:20px;">
    <address class="cr">
        <p>Knowledge Cart Copyright &#169; 2019. All Rights Reserved. <a
href="mailto:sravan.reddy.99999@gmail.com">MAIL ME</a></p>
        Visit us at:
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        Bengaluru-560035<br>
        Karnataka<br>
        India<br>
    </address>
</div>
</body>
</html>

```

**(home\_student.php)**

```

<?php

```

```

session_start();

if(!isset($_SESSION['semail'])){

    header("Location: student_login.php");}

?>

<!DOCTYPE HTML>

<html>

    <head>

        <title>Student | Home</title>

        <meta charset="utf-8" />

        <meta name="viewport" content="width=device-width, initial-scale=1" />

        <link rel="stylesheet" href="css/main.css" />

    </head>

    <body>

        <body style="background-color:silver;">

            <svg height="130" width="500">

                <defs>

                    <linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">

                        <stop offset="0%"

                            style="stop-color:red;stop-opacity:1" />

                        <stop offset="100%"

                            style="stop-color:yellow;stop-opacity:1" />

                    </linearGradient>

                </defs>

                <ellipse cx="85" cy="70" rx="65" ry="55" fill="url(#grad1)" />

                <text fill="#000000" font-size="35" font-family="Verdana"

                    x="37" y="86">KNOWLEDGE CART&#8482;</text>

            </svg>

            <!-- Header -->

            <header id="header">

                <div class="inner">

                    <nav id="nav">

                        <li class="active"><a

href="http://localhost/knowledge_cart/home_student.php">Home</a></li>

                        <li><a

href="http://localhost/knowledge_cart/student_myaccount.php">My Account</a></li>

```

```

                                <li><a
href="http://localhost/knowledge_cart/student_questions.php">Questions</a></li>

                                <li><a
href="http://localhost/knowledge_cart/student_shop.php">Shop</a></li>

                                <li><a
href="http://localhost/knowledge_cart/student_cart.php">Cart</a></li>

                                </nav>

                                <!--<a href="#navPanel" class="navPanelToggle"><span class="fa
fa-bars"></span></a> -->

                                </div>

                                </header>

                                <!-- Banner -->

                                <section id="banner">
                                    <div class="inner">
                                        <header>
                                            <h1>Welcome!
                                            <?php
                                                echo $_SESSION['sname'];
                                                echo "<br>";

                                            ?>
                                            </h1>
                                        </header>

                                        <div class="flex">

                                            <div>

                                                <span class="icon fa-car"></span>

                                                <h3>Learn</h3>

                                                <p>What you love</p>

                                            </div>

                                            <div>

                                                <span class="icon fa-camera"></span>

                                                <h3>Earn</h3>

                                                <p>How much you need</p>

```

</div>

<div>

<span class="icon fa-bug"></span>

<h3>Share</h3>

<p>To whomever you like</p>

</div>

</div>

<footer>

<a href="mailto:sravan.reddy.99999@gmail.com" class="button">FEEDBACK</a>

<br>

<br>

<br>

</footer>

</div>

</section>

<!-- Scripts -->

<script src="assets/js/jquery.min.js"></script>

<script src="assets/js/skel.min.js"></script>

<script src="assets/js/util.js"></script>

<script src="assets/js/main.js"></script>

<div style="background-color:grey;color:white;padding:20px;">

<address class="cr">

<p>Knowledge Cart Copyright &#169; 2019. All Rights Reserved. <a href="mailto:sravan.reddy.99999@gmail.com">MAIL ME</a></p>

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Karnataka<br>

India<br>



```

        </address>

    </div>

</body>

</html>

```

## **(take test.php )**

```

<?php
include 'connection.php';

session_start();

$_SESSION['qno']=1;

if(!isset($_SESSION['semail'])){
    header("Location: student_login.php");
}
else{
    if($_POST){
        $qsno=$_POST['qsno'];
        $qspwd=$_POST['qspwd'];
        $sql="SELECT * FROM `question` WHERE `qsno`='$qsno' AND `qspwd`='$qspwd'";
        $res=mysqli_query($dbc,$sql);
        if(mysqli_num_rows($res)>0){
            $_SESSION['qsno']=$qsno;

            header("location:exam.php");
        }
        else{
            echo "<script>alert('Invalid Test Details!')</script>";
        }
    }
}

?>

<html>

<head>

<title>Student | Take test</title>

<link rel="stylesheet" href="css/testlogin.css" />

```

```

</head>

<body>

<body style="background-color:silver;">

    <svg height="130" width="500">

        <defs>

            <linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">

                <stop offset="0%"

                    style="stop-color:red;stop-opacity:1" />

                <stop offset="100%"

                    style="stop-color:yellow;stop-opacity:1" />

            </linearGradient>

        </defs>

        <ellipse cx="85" cy="70" rx="65" ry="55" fill="url(#grad1)" />

        <text fill="#000000" font-size="35" font-family="Verdana"

            x="37" y="86">KNOWLEDGE CART&#8482;</text>

    </svg>

    <div class="main">

        <p class="sign" align="center">TEST DETAILS</p>

        <form class="form1" method="post">

            <input class="un" name="qsno" type="text" align="center" placeholder="SET NUMBER" required>

            <input class="pass" name="qspwd" type="password" align="center" placeholder="SET PASSWORD"

required>

            <input class="submit" value="TAKE TEST" type="Submit">

        </form>

    </div>

```

```

<div style="background-color:grey;color:white;padding:20px;">

    <address class="cr">

        <p>Knowledge Cart Copyright &#169; 2019. All Rights Reserved. <a

href="mailto:sravan.reddy.99999@gmail.com">MAIL ME</a></p>

        Visit us at:

```

<https://shieldcloud102.blogspot.com><br>

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Bengaluru-560035<br>

Karnataka<br>

India

</address>

</div>

</body>

</html>