



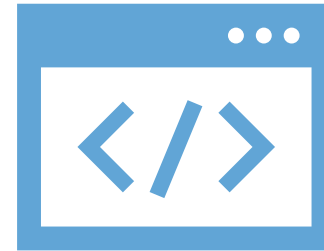
# WHO WANTS TO BE A MILLIONAIRE

-A GAME APPLICATION BY GOWTHAM THATAVARTHI,  
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SWATHI KOTHAPALLI.

# ABOUT THE GAME



This is an adaptation of the game show “Who wants to be a Millionaire”, which is very popular.



The tech-stack used are HTML, CSS, PHP.

# GAME RULES

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You have to register yourself for playing the game.

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Once registered, you can login and play the game anytime.

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There are easy, medium and difficult levels in the game. Two questions for each level.

---

Each level has a question and 4 options. Questions are randomised for each user. There is only one right answer.

---

Upon submitting the correct option, you will be given the score and taken to next level.

---

Upon submitting the wrong answer, your game will be terminated, you will be awarded the cash prize.

---

For every question, you can use a hint for seeking the right answer.

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Every time the hint is used, your score will be halved.

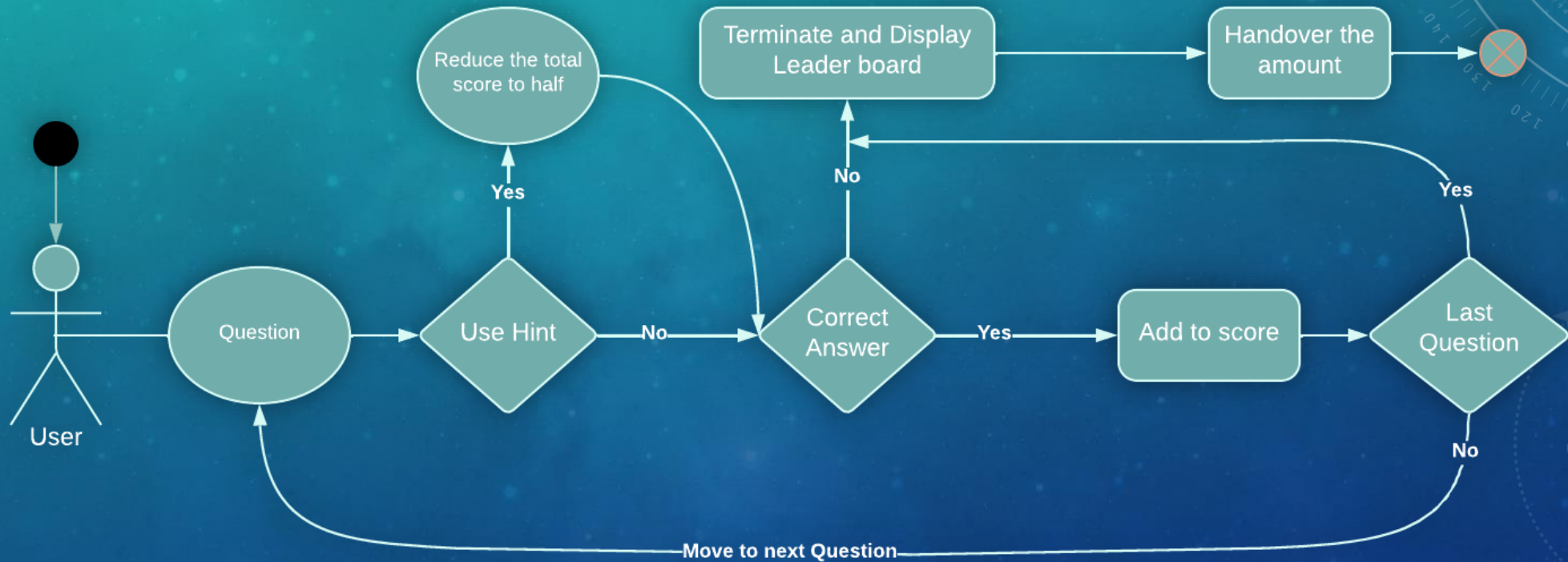
---

Upon clearing the 6th Level, you will be awarded One Million Dollars.

---

You will be redirected to the Leader board page, once your game is finished or if you are terminated.

# UML DIAGRAM





# SCRUM FRAMEWORK

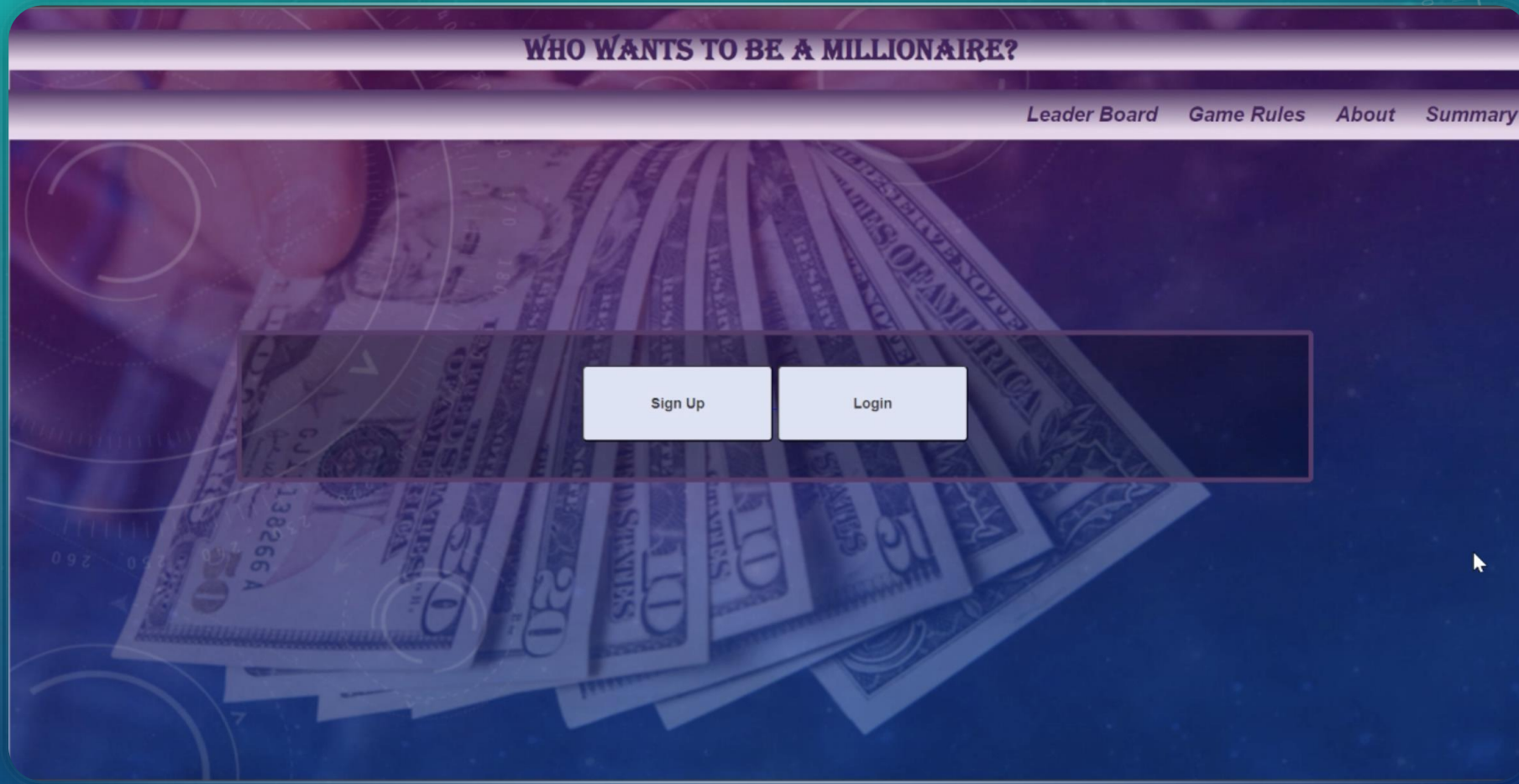
As a team, we had daily online standup calls to discuss the progress of the project.

We created a common discord channel and WhatsApp group to make the communication effective and to maintain transparency among the team.

We had weekly in-person connects to overcome the gaps of online communication.

The team lead have distributed the work equally and coordinated to fix the issues/errors encountered.

# HOME PAGE



# SIGNUP/LOGIN PAGE

**WHO WANTS TO BE A MILLIONAIRE?**

[Login](#) [Sign up](#) [Leader Board](#) [Game Rules](#) [About](#) [Summary](#)

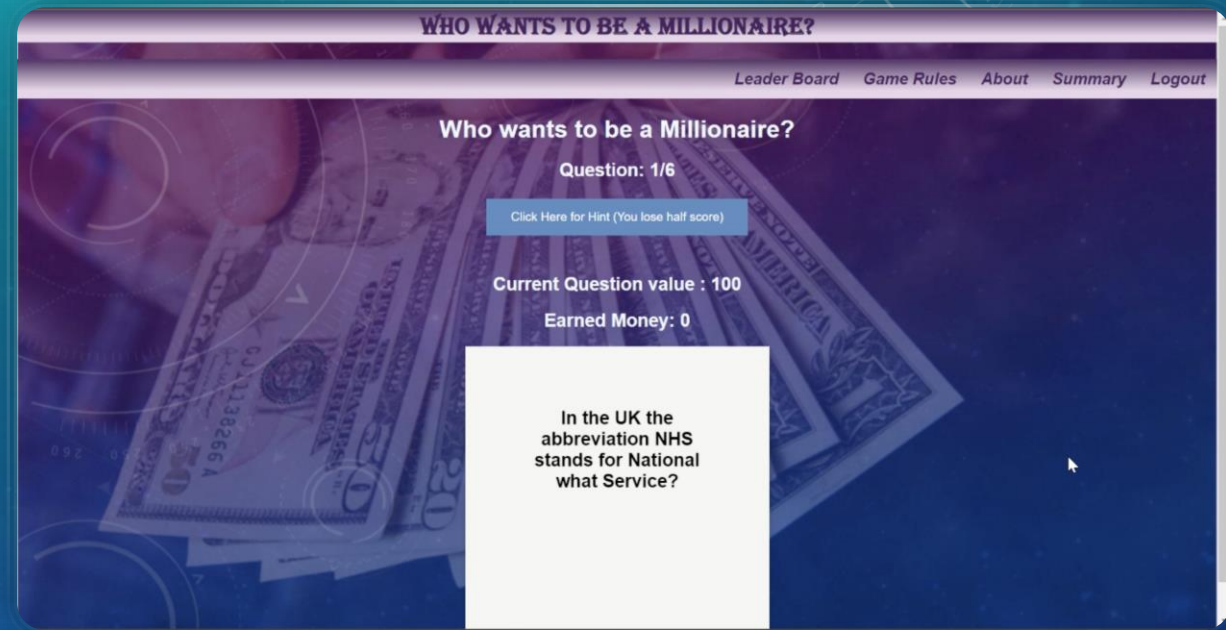
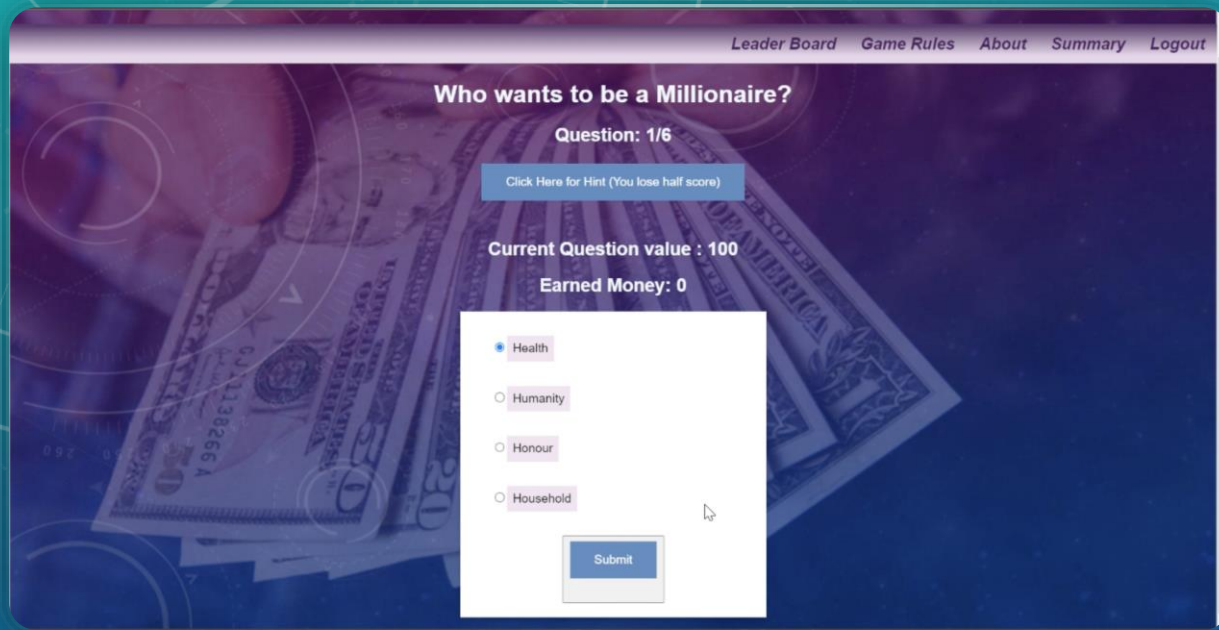
**User Name**

**Password**

**Sign up**



# GAME PAGE





# HINT PAGE

**WHO WANTS TO BE A MILLIONAIRE?**

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**Who wants to be a Millionaire?**

Question: 4/6

Hint :

Second in Name

Current Question value : 100000

Earned Money: 5550

☒ James II

☐ Henry VIII

☐ Victoria

☐ William I

Submit

# SUCCESS PAGE

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Congratulations you won \$ 11111100

## Leader Board

User Name	High Score
username1	11111100
username2	11111100
user10	11111100
username3	2100



# FAILURE PAGE





# LEADER BOARD

WHO WANTS TO BE A MILLIONAIRE?

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## Leader Board

User Name	High Score
username1	11111100
username2	11111100
user10	11111100
username3	2100

# PHP-GAME PAGE

```
<?php include("common.php");?>
<?php top();
echo '<link rel="stylesheet" href= "css/flipcard.css" type = "text/css">';
?>
<?php
session_start();
echo "<center>";
echo "<h1>Who wants to be a Millionaire?</h1>";
echo "<h2>Question: ".$_SESSION["questionNumber"]."/6</h2>";
$ques = array();
if (!$_SESSION["showHint"]){
    if($_SESSION["questionNumber"] == 1 || $_SESSION["questionNumber"] == 2){
        $ques = array_shift($_SESSION["easyQuestionArray"]);
    } else if ($_SESSION["questionNumber"] == 3 || $_SESSION["questionNumber"] == 4) {
        $ques = array_shift($_SESSION["medQuestionArray"]);
    }
    else{
        $ques = array_shift($_SESSION["highQuestionArray"]);
    }
    $_SESSION["currentQuestion"] = $ques;
}

if (!$_SESSION["showHint"]){
    echo '<a id="btns" href="showHint.php" name="btn">Click Here for Hint (You lose half score)</a>';
}
else{
    echo "<h3>Hint : </h3>";
    echo '<div class="hint">'.$_SESSION["currentQuestion"][8], '</div>';
    $_SESSION["showHint"]=False;
    $_SESSION["score"]=intdiv($_SESSION["score"],2);
}

echo '<form action="score.php" method="post">';
echo "<h2>Current Question value : ", $_SESSION["scoreMultiple"]*10, "</h2>";
echo "<h2>Earned Money: ", $_SESSION["score"], "</h2>";
echo '<div class="flip-card">';
    echo '<div class="flip-card-inner">';
        echo '<div class="flip-card-front">';
            echo "<div class='question'><h2>".$_SESSION["currentQuestion"][2]."</h2></div>";
            echo '</div>';
            echo '<div class="flip-card-back">';
                echo "<ol>";
                echo '<li><input checked="checked" type="radio" name="q1" value="", $_SESSION["currentQuestion"][3],"" /><p class="options">'.$_SESSION["currentQuestion"][3].','</p></li>';
                echo '<li><input type="radio" name="q1" value="", $_SESSION["currentQuestion"][4],"" /><p class="options">'.$_SESSION["currentQuestion"][4].','</p></li>';
                echo '<li><input type="radio" name="q1" value="", $_SESSION["currentQuestion"][5],"" /><p class="options">'.$_SESSION["currentQuestion"][5].','</p></li>';
                echo '<li><input type="radio" name="q1" value="", $_SESSION["currentQuestion"][6],"" /><p class="options">'.$_SESSION["currentQuestion"][6].','</p></li>';
                echo '</ol>';
            echo '<center><button><input id="btns" type="submit" value="Submit" name="submit"></button></center></form>';
            echo' </div>';
        echo' </div>';
    echo' </form>';
    echo "</center>";
    error_reporting(0);
?>
<?php bottom(); ?>
```

# PHP-LEADER BOARD PAGE

```
function display_leaderboard(){
    $filename="leaderboard.txt";
    $assoc_arr = array();
    foreach (file($filename, FILE_IGNORE_NEW_LINES) as $leaderboardUser) {
        $each_row = explode(",", $leaderboardUser);
        $assoc_arr[$each_row[0]] = $each_row[1];
    }

    echo '<h1>Leader Board :) <br></h1>';
    echo '<table id="customers">
    <tr>
        <th>User Name</th>
        <th>High Score</th>
    </tr>';
    foreach ($assoc_arr as $key => $value) {
        echo '<tr>';
        echo '<td>'.$key.'</td>';
        echo '<td>'.$value.'</td>';
        echo '</tr>';
    }
    echo '</table>';
}
```

```
function update_leaderboard(){
    $filename="leaderboard.txt";
    $leaderboardUser = "";
    $assoc_arr = array();
    foreach (file($filename, FILE_IGNORE_NEW_LINES) as $leaderboardUser) {
        $each_row = explode(",", $leaderboardUser);
        $assoc_arr[$each_row[0]] = $each_row[1];
    }

    $assoc_arr_row_value = 0;

    if (array_key_exists($_SESSION["username"], $assoc_arr)) {
        $assoc_arr_row_value = $assoc_arr[$_SESSION["username"]];
    }

    $assoc_arr[$_SESSION["username"]] = max($_SESSION["score"], $assoc_arr_row_value);
    arsort($assoc_arr);
    $f = fopen($filename, 'w');

    foreach ($assoc_arr as $key => $value) {
        $data = $key.", ".$value."\n";
        fwrite($f, $data);
    }
    fclose($f);
}
```



# PHP-SCORE PAGE

```
<?php
session_start();
echo "score page";
if($_POST['submit']) {

    $q1 = $_POST['q1'];
    if($q1 == '') {
        echo '<h2>Please answer the question properly.</h2>';
    }
    else{
        if($q1 == $_SESSION["currentQuestion"][7]){
            $_SESSION["score"] = $_SESSION["score"] + $_SESSION["scoreMultiple"]*10 ;
            $_SESSION["scoreMultiple"] = $_SESSION["scoreMultiple"] * 10;
            $_SESSION["questionNumber"] = $_SESSION["questionNumber"] + 1;

            if($_SESSION["questionNumber"] == 7){
                unset ($_SESSION["currentQuestion"]);
                header("Location: endsucess.php");
                exit();
            }
            else{
                unset ($_SESSION["currentQuestion"]);
                header("Location: game.php");
                exit();
            }
        }
        else{
            unset ($_SESSION["currentQuestion"]);
            header("Location: endfailure.php");
            exit();
        }
    }
}
```

```
function start_game(){
    echo '<div class = "fieldset startgame">
    <button ><a id="btns" href="game.php" name="btn">Start Game</a></button>
    </div>';
    $_SESSION["score"] = 0;
    $_SESSION["questionNumber"] = 1;
    $_SESSION["showHint"] = False;
    $_SESSION["scoreMultiple"] = 10;
    @load_all_questions_once();
}
```

# PHP- LOAD QUESTIONS

```
function load_all_questions_once(){
    $gamefilenameEasy = "questions_easy.txt";
    $gamefilenameMed = "questions_med.txt";
    $gamefilenamehigh = "questions_high.txt";

    $sarr = array($gamefilenameEasy, $gamefilenameMed, $gamefilenamehigh);
    $j = 1;
    foreach ($sarr as &$value) {
        $easyQuestions = array();
        $handle = fopen($value, "r");
        if ($handle) {
            $i=1;
            while (($line = fgets($handle)) !== false) {
                $data = explode(",", $line);
                $easyQuestions[$i] = array(
                    1 => $data[0],
                    2 => $data[1],
                    3 => $data[2],
                    4 => $data[3],
                    5 => $data[4],
                    6 => $data[5],
                    7 => $data[6],
                    8 => $data[7],
                    9 => $data[8],
                    10 => $data[9]
                );
                $i++;
            }
            fclose($handle);
            shuffle($easyQuestions);
            if($j == 1){
                $_SESSION["easyQuestionArray"] = (new ArrayObject($easyQuestions))->getArrayCopy();
            } else if($j == 2){
                $_SESSION["medQuestionArray"] = (new ArrayObject($easyQuestions))->getArrayCopy();
            }
            else{
                $_SESSION["highQuestionArray"] = (new ArrayObject($easyQuestions))->getArrayCopy();
            }
            $j++;
        }
        #print_r($_SESSION["easyQuestionArray"]);
        #print_r($_SESSION["medQuestionArray"]);
        #print_r($_SESSION["highQuestionArray"]);
    }
}
```

# CSS

```
.main-buttons {
  text-align: center;
}

.main-buttons button {
  width: 200px;
  height: auto;
  color: rgb(52, 48, 48);
  cursor: pointer;
  font-size: 15px;
  font-weight: bold;
  margin-bottom: 5px;
  border-radius: 5px;
  border-color: rgb(52, 48, 48);
}

.main-buttons button:hover{
  background-color: #a7e6ed;
}

.fieldset
{
  border-radius: 5px;
  border-color: white;
  background-color: #189AB4;
  padding: 20px;
  color: white;
  text-align: center;
  justify-items: center;
}

.navbar{
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background: linear-gradient(#05445E 5%, #189AB4 90%);
}

.navitems {
  float: right;
```

```
html, body {
  background-color: #125672;
  margin: 0 auto;
  padding: 0;
  font-family: Ubuntu, "Helvetica Neue", Helvetica, Helvetica, Arial, sans-serif;
  color: aliceblue;
}

.welcome {
  display: flex;
  flex: 1;
  flex-direction: column;
  padding: 2rem 0;
  margin-left: 15%;
  margin-right: 15%;
  justify-content: center;
  align-items: center;
  width: 70%;
  margin-top: 35px;
  border-left: 8px solid #53a8cc;
  border-right: 8px solid #2c85ab;
  border-bottom: 8px solid #53a8cc;
  border-top: 8px solid #2c85ab;
  border-radius: 5px;
  background-color: #75E6DA;
  color: black;
}

.wel-main{
  background-color: rgb(54, 7, 184);
  text-align: center;
  align-items: center;
}

.name {
  text-align: center;
  color: #D4F1F4;
  background: linear-gradient(#05445E 5%, #189AB4 90%);
  font-family: Algerian;
```



# CSS

```
.options
{
  display: inline-block;
  background-color: ■#efdff0;
  color: □black;
  padding: 0.2cm;
}

.navitems a {
  display: block;
  color: ■white;
  font-style: italic;
  font-size: 16pt;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

.navitems a:hover:not(.active) {
  background-color: ■#125672;
}

.login{
  width: 100px;
  height: 100px;
  border-radius: 50%;
  position : absolute;
  align-items: center;
}

.header {
  font-size: 35px;
  text-transform: uppercase;
  letter-spacing: 5px;
  color: □black;
}

.description {
  font-size: 14px;
  letter-spacing: 1px;
```

```
.description {
  font-size: 14px;
  letter-spacing: 1px;
  line-height: 1.3em;
  margin: -2px 0 45px;
  color: □black;
}

#customers {
  border-collapse: collapse;
  width: 70%;
  text-align: center;
}

#customers td, #customers th {
  border: 1px solid ■#ddd;
  padding: 8px;
  text-align: center;
}

#customers tr:nth-child(even){background-color: ■#CC9999;}

#customers tr:hover {background-color: ■#ddd;}

#customers th {
  padding-top: 12px;
  padding-bottom: 12px;
  text-align: left;
  background-color: ■#04AA6D;
  color: ■white;
  text-align: center;
}

.hbut{
  color:■white;
  background-color: □rgba(0, 0, 0, 0.57);
  text-align: center;
  height:25%;
```

# CSS

```
.hbut{
  color: ■white;
  background-color: □rgba(0, 0, 0, 0.57);
  text-align: center;
  height:25%;
  width:55%;
  max-width: 250px;
  border-radius: 7%;
  outline-color: □black;
  font-weight: bold;
  font-size: 1.3em;
  font-weight: 700;
}

.hbut:hover{
  background-color: ■rgba(155, 203, 206, 0.655);
  color:□black;
  height:25%;
  width:55%;
}

#btns {
  background-color: ■#4CAF50;
  border: none;
  color: ■white;
  padding: 15px 32px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
  margin: 4px 2px;
  cursor: pointer;
  -webkit-transition-duration: 0.4s; /* Safari */
  transition-duration: 0.4s;
  margin-bottom: 30px;
}
```

```
#btns:hover {
  box-shadow: 0 12px 16px 0 □rgba(0,0,0,0.24),0 17px 50px 0 □rgba(0,0,0,0.19);
}

.startgame
{
  text-align: center;
  margin-top: 10%;
}

.question
{
  text-align: center;
  margin: 20%;
}

.hint
{
  display: inline-block;
  color: □black;
  background-color: ■#e8c3c3;
  padding: 0.2cm;
}
```

# CSS-FLIP CARD

```
.flip-card {
  background-color: transparent;
  width: 400px;
  height: 400px;
  perspective: 1000px;
  text-align: left;
  justify-content: left;
}

.flip-card-inner {
  position: relative;
  width: 100%;
  height: 100%;
  text-align: left;
  justify-content: left;
  transition: transform 0.6s;
  transform-style: preserve-3d;
  box-shadow: 0 4px 8px 0 rgba(0,0,0,0.2);
}

.flip-card:hover .flip-card-inner {
  transform: rotateY(180deg);
}

.flip-card-front, .flip-card-back {
  position: absolute;
  width: 100%;
  height: 100%;
  -webkit-backface-visibility: hidden;
  backface-visibility: hidden;
}
```

```
.flip-card-front {
  background-color: ■rgb(244, 245, 239);
  color: □black;
}

.flip-card-back {
  background-color: ■white;
  color: ■white;
  transform: rotateY(180deg);
}

#btns {
  background-color: ■#4CAF50; /* Green */
  border: none;
  color: ■white;
  padding: 15px 32px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
  margin: 4px 2px;
  cursor: pointer;
  -webkit-transition-duration: 0.4s; /* Safari */
  transition-duration: 0.4s;
  margin-bottom: 30px;
}

#btns:hover {
  box-shadow: 0 12px 16px 0 □rgba(0,0,0,0.24), 0 17px 50px 0 □rgba(0,0,0,0.19);
}
```





TESTING

PHP Sessions

CSS Validator

Safari

Chrome

Codd server



THANK YOU!