**FULL STACK DEVELOPER ASSESSMENT**

**PART IV**

**(PLEASE ATTACH YOUR ANSWER ON PAGE 2 & PROVIDE THE SOURCE CODE OF THE ONE YOU MADE)**

* Create a simple node app + any framework (MeteorJs/ReactJs/Angular and etc) of your choice
* Requirements:
  + Create a simple chat app
  + Essential CRUD operations
  + Have a client and a server module
  + Events and activities should be in real time(eg. Notifications, chats & etc)
  + Should be accomplished within 2hrs and not more than 3hrs
  + Components must have
    - Login and account functionality
    - Contact list
    - Chat history
    - Contact headers and options
    - Chat composer
    - Notification
    - Optional:
      * File upload
      * Avatar
      * Emojis
      * Image viewer
      * WYSIWYG editor
      * Online status
      * Conference/Group Chat
* Criteria for evaluation
  + Able to follow instructions
  + Able to work under supervision and time pressure
  + Able to demonstrate proper use of variables and functions
  + Able to utilize OOP and modular accordingly
  + Able to complete and create a working sample application
  + Able to write a clean and organize code program
  + Able to demonstrate his/her skills on using NodeJS/Javascript

“Google is good, but plagiarism is a crime”

- Good Luck! -

**ANSWER SHEET:**

LAST NAME: Apollo

FIRST NAME: Machacon

EMAIL ADDRESS: adoymachacon@gmail.com

ANSWER:

<?php

session\_start();

if(isset($\_SESSION['name'])){

    $text = $\_POST['text'];

    $text\_message = "<div class='msgln'><span class='chat-time'>".date("g:i A")."</span> <b class='user-name'>".$\_SESSION['name']."</b> ".stripslashes(htmlspecialchars($text))."<br></div>";

    file\_put\_contents("log.html", $text\_message, FILE\_APPEND | LOCK\_EX);

}

?>

<?php

session\_start();

if(isset($\_GET['logout'])){

    //Simple exit message

    $logout\_message = "<div class='msgln'><span class='left-info'>User <b class='user-name-left'>". $\_SESSION['name'] ."</b> has left the chat session.</span><br></div>";

    file\_put\_contents("log.html", $logout\_message, FILE\_APPEND | LOCK\_EX);

    session\_destroy();

    header("Location: index.php"); //Redirect the user

}

if(isset($\_POST['enter'])){

    if($\_POST['name'] != ""){

        $\_SESSION['name'] = stripslashes(htmlspecialchars($\_POST['name']));

    }

    else{

        echo '<span class="error">Please type in a name</span>';

    }

}

function loginForm(){

    echo

    '<div id="loginform">

    <p>Please enter your name to continue!</p>

    <form action="index.php" method="post">

      <label for="name">Name &mdash;</label>

      <input type="text" name="name" id="name" />

      <input type="submit" name="enter" id="enter" value="Enter" />

    </form>

  </div>';

}

?>

<!DOCTYPE html>

<html lang="en">

    <head>

        <meta charset="utf-8" />

        <title>Tuts+ Chat Application</title>

        <meta name="description" content="Tuts+ Chat Application" />

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

    </head>

    <body>

    <?php

    if(!isset($\_SESSION['name'])){

        loginForm();

    }

    else {

    ?>

        <div id="wrapper">

            <div id="menu">

                <p class="welcome">Welcome, <b><?php echo $\_SESSION['name']; ?></b></p>

                <p class="logout"><a id="exit" href="#">Exit Chat</a></p>

            </div>

            <div id="chatbox">

            <?php

            if(file\_exists("log.html") && filesize("log.html") > 0){

                $contents = file\_get\_contents("log.html");

                echo $contents;

            }

            ?>

            </div>

            <form name="message" action="">

                <input name="usermsg" type="text" id="usermsg" />

                <input name="submitmsg" type="submit" id="submitmsg" value="Send" />

            </form>

        </div>

        <script type="text/javascript" src="<https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js>"></script>

        <script type="text/javascript">

            // jQuery Document

            $(document).ready(function () {

                $("#submitmsg").click(function () {

                    var clientmsg = $("#usermsg").val();

                    $.post("post.php", { text: clientmsg });

                    $("#usermsg").val("");

                    return false;

                });

                function loadLog() {

                    var oldscrollHeight = $("#chatbox")[0].scrollHeight - 20; //Scroll height before the request

                    $.ajax({

                        url: "log.html",

                        cache: false,

                        success: function (html) {

                            $("#chatbox").html(html); //Insert chat log into the #chatbox div

                            //Auto-scroll

                            var newscrollHeight = $("#chatbox")[0].scrollHeight - 20; //Scroll height after the request

                            if(newscrollHeight > oldscrollHeight){

                                $("#chatbox").animate({ scrollTop: newscrollHeight }, 'normal'); //Autoscroll to bottom of div

                            }

                        }

                    });

                }

                setInterval (loadLog, 2500);

                $("#exit").click(function () {

                    var exit = confirm("Are you sure you want to end the session?");

                    if (exit == true) {

                    window.location = "index.php?logout=true";

                    }

                });

            });

        </script>

    </body>

</html>

<?php

}

?>