

WAPH-Web Application Programming and Hacking

Instructor: Dr. Phu Phung

Student

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Short-bio: Amit has keen interests in IT.



Repository Information

Repository's URL: <https://github.com/gaddiat-uc/waph.git>

This is a private repository for Amit Gaddi to store all code from the course. The organization of this repository is as follows.

Lab 2 - Front-end Web Development

Lab2

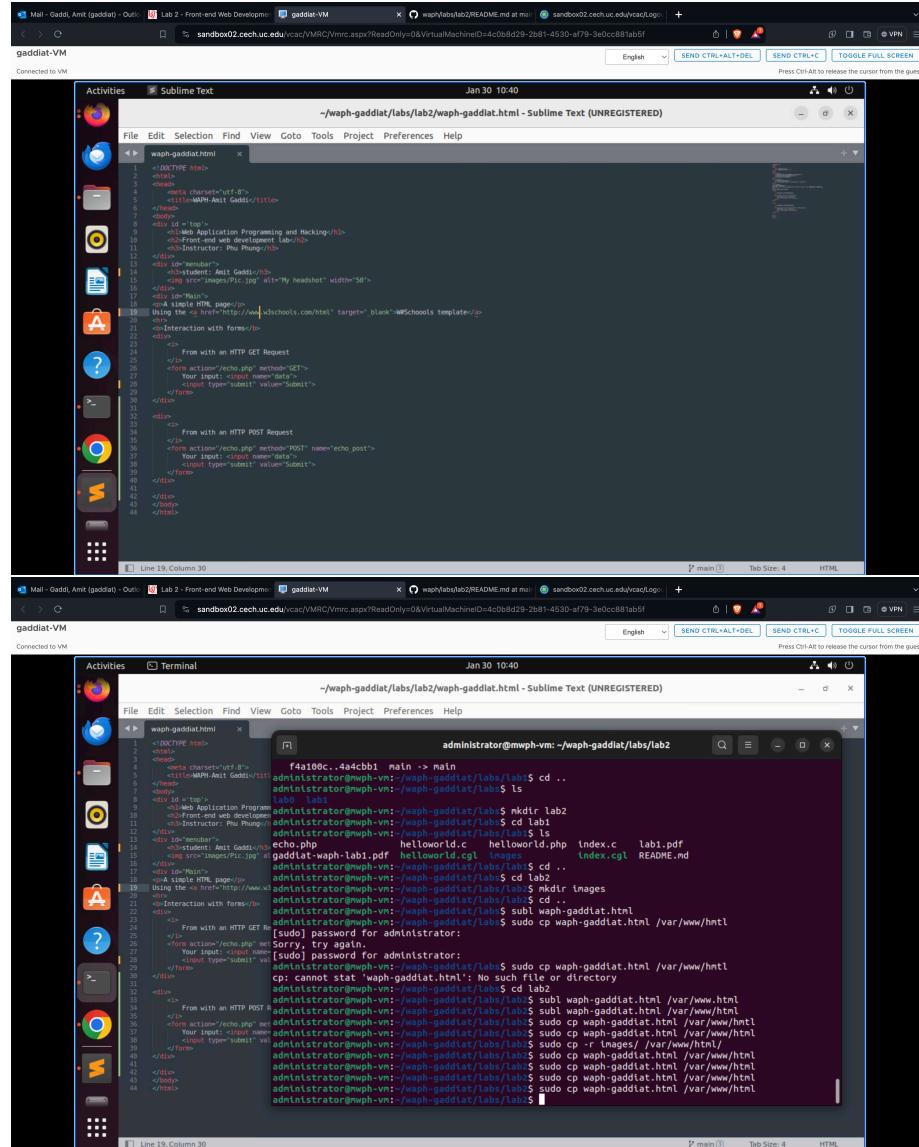
The lab's overview

This lab focuses on real web development exercises, covering subjects such as HTML, JavaScript, Ajax, CSS, jQuery, and Web API integration. In Task 1, I developed a simple HTML file containing basic elements, an image, and a form, and then use JavaScript to display the current date/time, log key presses, show/hide email, and display digital and analog clocks. Task 2 digs deeper into complex topics such as Ajax for handling asynchronous queries, CSS for decorating the webpage, jQuery for simplifying JavaScript code, and the use of Web APIs to fetch and display dynamic data. By completing these assignments,

I acquired hands-on experience developing interactive and dynamic online apps, which helped me better comprehend fundamental web development concepts and approaches.

Task 1. Basic HTML with forms, and JavaScript

a. HTML (5 pts) In this part of task 1, I developed a simple HTML page which included the Course details at the top using basic tags and the later added a headshot of myself and included 2 form inputs with GET & POST.



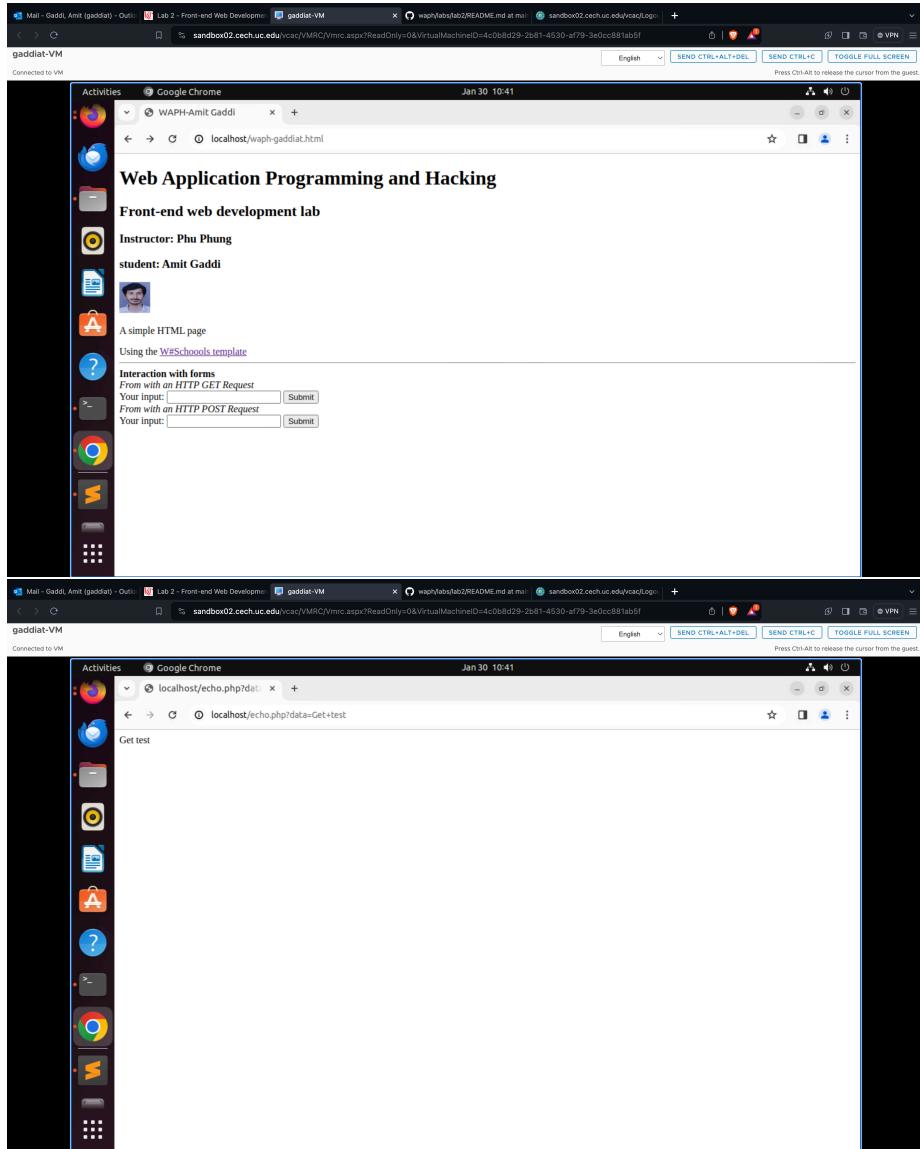
The screenshot shows a Linux desktop environment with two windows open:

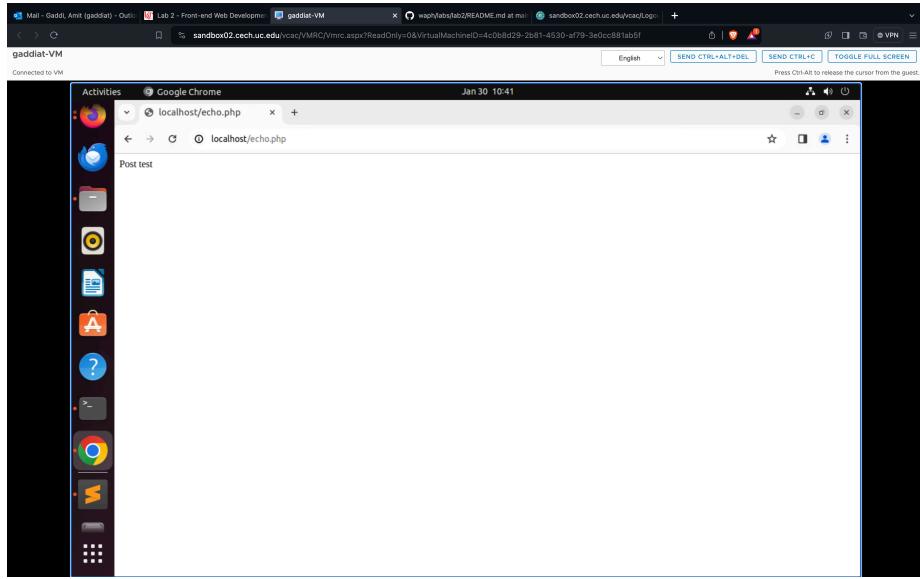
- Sublime Text Editor:** The main window displays the file `waph-gaddlat.html` with the following content:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>WAPH-Amit Gaddi</title>
</head>
<body>
<div id="top">
<h1>WAPH Application Programming and Hacking</h1>
<p>Front-end web development Lab</p>
<p>Instructor: Phu Phung</p>
</div>
<div id="main">

<div>
Using the a href="http://www.w3schools.com/html" target="_blank">w3schools template</div>
<div>
Interaction with forms</div>
<div>
    From with an HTTP GET Request
    <form action="echo.php" method="GET">
        Your input: <input name="data" type="text" value="Submit">
    </form>
</div>
<div>
    From with an HTTP POST Request
    <form action="echo.php" method="POST" name="echo_post">
        Your input: <input name="data" type="text" value="Submit">
        <input type="submit" value="Submit">
    </form>
</div>
</div>
</body>
</html>
```

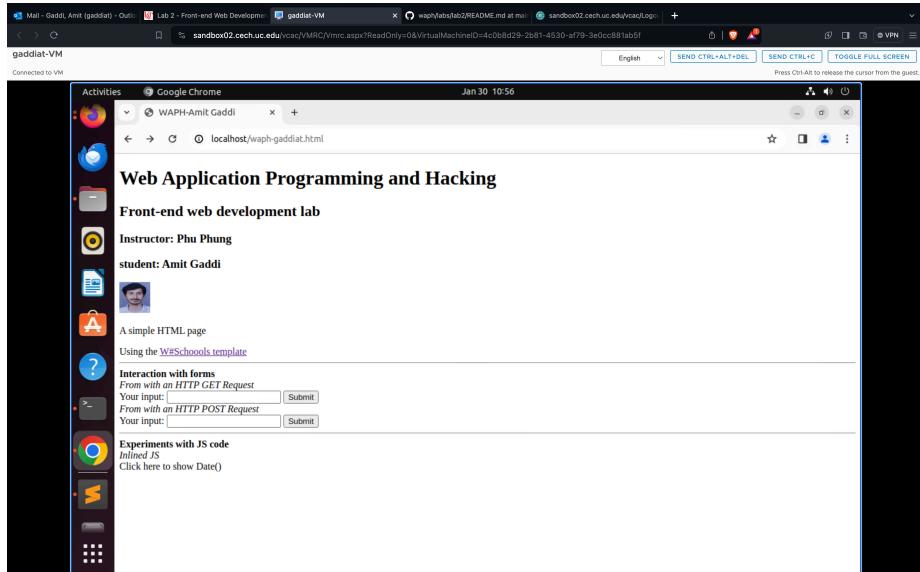
- Terminal Window:** The terminal window shows the command-line session where the file was uploaded to the server. It includes a password prompt for the administrator user.



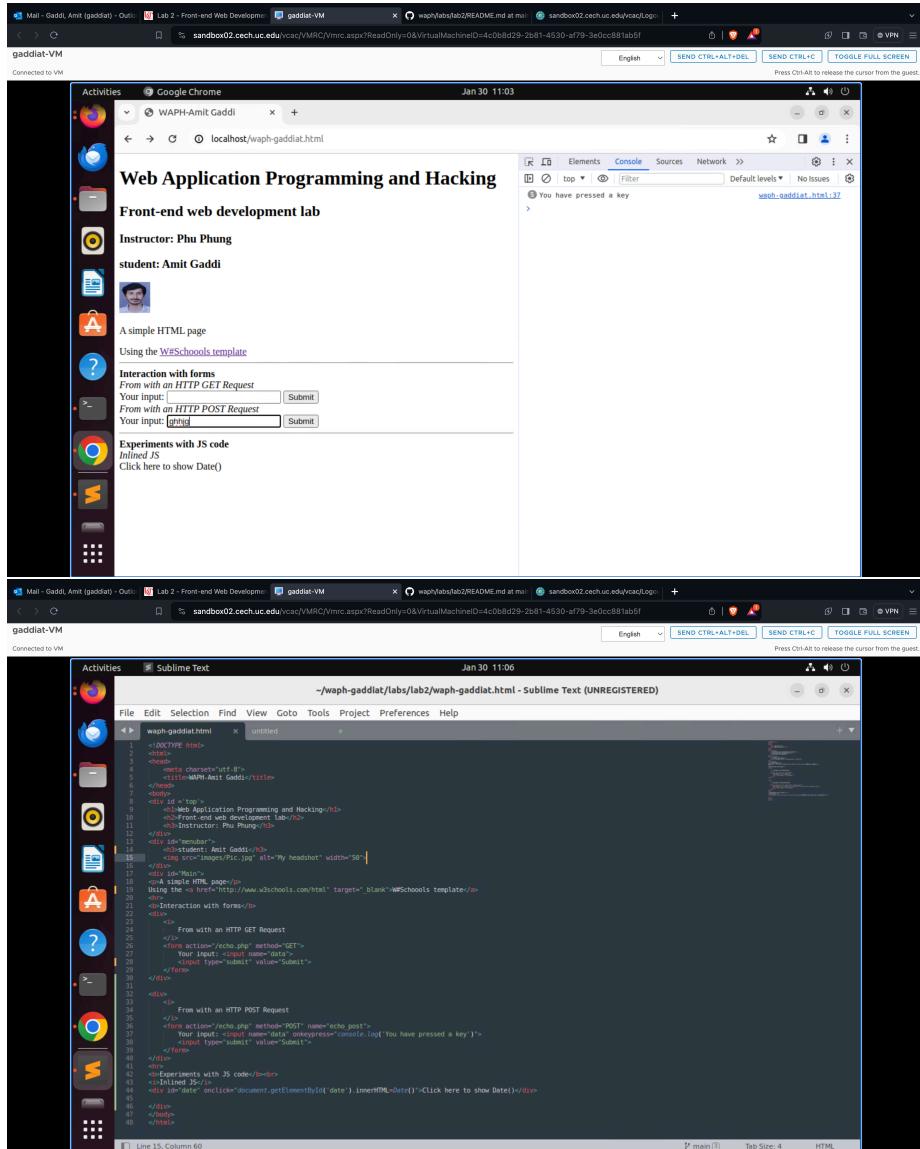


b. Simple JavaScript (15 pts) In this part, I used Inline JS to add a current date/time in my HTML page which displayed the time and date when clicked on it, then using the

tag I generated a digital clock moreover I created a JS file email.js which was used to show/ hide my email ID when clicked on it and take to me the mail page in addition to that using JS I created an analog digital clock using the function drawClock().



The screenshot shows a Linux desktop environment with a dark theme. At the top, there is a horizontal bar with several icons and text labels. Below this is a window titled "Activities" which lists open applications. One application, "Google Chrome", is currently active and displays a web page titled "Web Application Programming and Hacking". The page content includes sections like "Front-end web development lab", "Instructor: Phu Phung", "student: Amit Gaddi", and "Interaction with forms". It also contains some inline JavaScript code. To the right of the browser window, there is another window titled "Sublime Text" showing the same HTML code as the browser. The desktop background is black.



Mail - Gaddi, Amit (gaddiat) - Outbox Lab 2 - Front-end Web Development gaddiat-VM sandbox02.cech.uc.edu waph-labslab2/README.md at master · sandbox02.cech.uc.edu/vcad/Logo · + English SEND CTRL+ALT+DEL SEND CTRL+C TOGGLE FULL SCREEN Press Ctrl+Alt to release the cursor from the guest.

gaddiat-VM Connected to VM

Activities Sublime Text Jan 30 11:10 ~waph-gaddiat/labs/lab2/waph-gaddiat.html - Sublime Text (UNREGISTERED)

```
waph-gaddiat.html x untitled
File Edit Selection Find View Goto Tools Project Preferences Help
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>WAPH-Amit Gaddi</title>
6   </head>
7   <body>
8     <div id="top">
9       <h1>Front-end Application Programming and Hacking</h1>
10      <ul>
11        <li><a href="#">Front-end web development lab</a></li>
12        <li><a href="#">Instructor: Phu Phung</a></li>
13      </ul>
14      <div>
15        <p>A simple student: Amit Gaddi</p>
16        
17        <ul>
18          <li><a href="#">Digital clock</a></li>
19          <li><a href="#">JavaScript</a></li>
20          <li><a href="#">document.getElementById("digit-clock").innerHTML = current time: " + new Date();</a>
21          <script>
22            setInterval(displayTime, 500)
23          </script>
24        </ul>
25        <div>
26          <p>A simple HTML page</p>
27          <ul>
28            <li><a href="http://www.w3schools.com/html" target="_blank">W3Schools template</a></li>
29            <li><a href="#">Interaction with forms</a></li>
30          </ul>
31        </div>
32        <div>
33          <p>From with an HTTP GET Request</p>
34          <form action="#" method="GET">
35            Your Input: <input name="data">
36            <input type="submit" value="Submit">
37          </form>
38        </div>
39        <div>
40          <p>From with an HTTP POST Request</p>
41          <form action="/echo.php" method="POST" name="echo post">
42            Your Input: <input name="data" onkeypress="console.log('You have pressed a key')">
43            <input type="submit" value="Submit">
44          </form>
45        </div>
46      </div>
47    </div>
48  </body>
49</html>
```

Line 21, Column 19 P main() Tab Size: 4 HTML

Mail - Gaddi, Amit (gaddiat) - Outbox Lab 2 - Front-end Web Development gaddiat-VM sandbox02.cech.uc.edu waph-labslab2/README.md at master · sandbox02.cech.uc.edu/vcad/Logo · + English SEND CTRL+ALT+DEL SEND CTRL+C TOGGLE FULL SCREEN Press Ctrl+Alt to release the cursor from the guest.

gaddiat-VM Connected to VM

Activities Google Chrome Jan 30 11:10 WAPH-Amit Gaddi localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung
student: Amit Gaddi



current time: Tue Jan 30 2024 11:10:26 GMT-0500 (Eastern Standard Time)

A simple HTML page

Using the [W3Schools template](#)

Interaction with forms

From with an HTTP GET Request
 Submit

From with an HTTP POST Request
 Submit

Experiments with JS code

Inlined JS
Click here to show Date()

Mail - Gaddi, Amit (gaddiat) - Outbox Lab 2 - Front-end Web Development gaddiat-VM waph-labslab2/README.md at master · sandbox02.cech.uc.edu/vcac/Logo · +

Connected to VM

Activities Sublime Text Jan 30 11:23

waph-gaddiat.html email.js untitled

```

1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>WAPH-Amit Gaddi</title>
6   </head>
7   <body>
8     <div id="top">
9       <h1>Web Application Programming and Hacking</h1>
10      <a href="#">Front-end web development lab</a>
11      <br/>
12    </div>
13    <div>
14      <student> Amit Gaddi</student>
15      <div><a href="#">Show my email</a></div>
16      
17      <div><a href="#">Digital clock</a></div>
18      <script>
19        function displayTime(){
20          document.getElementById("displayTime").innerHTML = new Date();
21        }
22        setInterval(displayTime, 500);
23      </script>
24    </div>
25    <div>
26      <a href="#">A simple HTML page</a>
27      <p>Using the <a href="http://www.w3schools.com/html" target="_blank">W3Schools template</a></p>
28      <a href="#">Interaction with forms</a>
29      <br/>
30      <br/>
31      <div>
32        <h3>From with an HTTP GET Request</h3>
33        <form action="/echo_get" method="GET">
34          Your input: <input type="text" name="data" onkeypress="console.log('You have pressed a key')"/>
35          <input type="submit" value="Submit">
36        </form>
37      </div>
38      <br/>
39      <div>
40        <h3>From with an HTTP POST Request</h3>
41        <form action="/echo_post" method="POST" name="echo_post">
42          Your input: <input name="data" onkeypress="console.log('You have pressed a key')"/>
43          <input type="submit" value="Submit">
44        </form>
45      </div>
46    </div>
47  </body>
48</html>
```

Line 15, Column 17 P main T Tab Size 4 HTML

Mail - Gaddi, Amit (gaddiat) - Outbox Lab 2 - Front-end Web Development gaddiat-VM waph-labslab2/README.md at master · sandbox02.cech.uc.edu/vcac/Logo · +

Connected to VM

Activities Google Chrome Jan 30 11:24

WAPH-Amit Gaddi localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung

student: Amit Gaddi

Show my email



current time: Tue Jan 30 2024 11:24:14 GMT-0500 (Eastern Standard Time)

A simple HTML page

Using the [W3Schools template](http://www.w3schools.com/html)

Interaction with forms

From with an HTTP GET Request

Your input: Submit

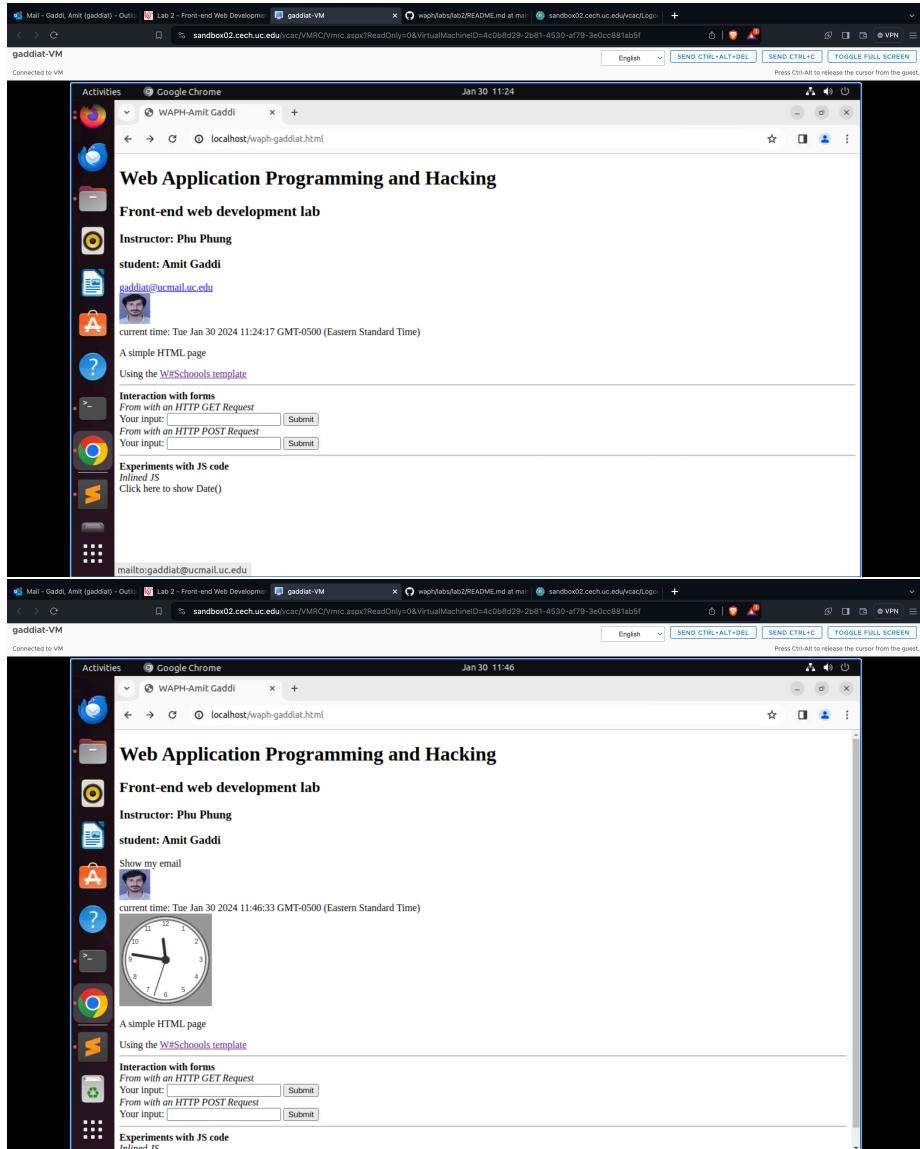
From with an HTTP POST Request

Your input: Submit

Experiments with JS code

Inline JS

Click here to show Date()



```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>WAPH-Amit Gaddi</title>
</head>
<body>
<div id="top">
<div><a href="#">Web Application Programming and Hacking</a><br/>
<a href="#">Front-end web development Lab</a><br/>
<a href="#">Instructor: Pihu Phutie</a><br/>
</div>
<div>
<div><h3>Student: Amit Gaddi</h3>
<div id="email" onclick="showEmail()"><img alt="Show my email icon" />Show my email</div>

<div>Digital clock</div>
<div>Analog clock</div>
<div>Interaction with forms</div>
</div>
<div>
<script>
function displayTime(){
    var date = new Date();
    var digitClock = document.getElementById('digit-clock');
    var analogClock = document.getElementById('analog-clock');
    var ctx = canvas.getContext('2d');
    var radius = canvas.height/2;
    ctx.translate(radius, radius);
    radius = radius * 0.9;
    setInterval(drawClock, 1000);
}

function drawClock(){
    var now = new Date();
    var min = now.getMinutes();
    var sec = now.getSeconds();
    var radian = (min*6 + sec*0.1)*Math.PI/180;
    drawDialer(ctx, radius);
    drawNumbers(ctx, radius);
    drawHands(ctx, radius, min, sec);
}
</script>
</div>
</div>
<div id="Main">
<a href="#">HTML template</a>
Using the <a href="http://www.w3schools.com/html/" target="_blank">W3Schools template</a>
</div>
<div>Interaction with forms</div>
</div>

```

Task 2: Ajax, CSS, jQuery, and Web API integration

Ajax, CSS, and jQuery exercises below are covered in Lecture 5; Web API integration is covered in Lecture 6.

a. Ajax (7.5 pts) In this Task 2 part a, I first created an input with button and div elements to get the input form the user and to see the response I created another div element, and constructed an function `getEcho()` which would take the data from the user and send Ajax GET request to the `echo.php` and returns the response below, I then used the dev tools in the network to see the request which was sent to the `echo.php` page including with data sent by the user

Mail - Gaddi, Amit (gaddiat) - O_ Applied Research Cross-Functi... (6) MSIT PD7010 Alumni Panel | Lab 2 - Front-end Web Develop... gaddiat-VM x waph/gaddiat/labs/lab2 at main · phung... sandbox02.cech.uc.edu/vcdo... +

Connected to VM

Activities Sublime Text Jan 30 12:23

waph-gaddiat/labs/lab2/waph-gaddiat.html - Sublime Text (UNREGISTERED)

```

File Edit Selection Find View Goto Tools Project Preferences Help

16 <script src="email.js"></script>
17 <div id="analog-clock"><div>
18   <div id="digit-clock"></div>
19   <div id="analog-clock"> width="150" height="150" style="background-color: #999999;">
20     <script src="https://raw.githubusercontent.com/darkclock.js/v1.0.0/dist/darkclock.js"></script>
21   </div>
22   <div id="analog-clock"> document.getElementById("digit-clock").innerHTML = current_time + " " + new Date();
23   </div>
24   setInterval(displayTime, 500);
25 
26   var canvas = document.getElementById("analog-clock");
27   var ctx = canvas.getContext("2d");
28   var radius = 75;
29   var cx = radius * 2;
30   var cy = radius * 2;
31   ctx.translate(cx, radius);
32   radius *= 2;
33   setIntervel((darkclock), 1000);
34 
35   function drawClock() {
36     drawBackground();
37     drawHourHand();
38     drawMinuteHand();
39     drawSecondHand();
40   }
41 
42   function getClock() {
43     var input = document.getElementById("data").value;
44     if (input.length==0) {
45       return;
46     }
47     var xhttp = new XMLHttpRequest();
48     xhttp.onreadystatechange = function(){
49       if (xhttp.readyState == 4 && xhttp.status == 200){
50         var responseText=xhttp.responseText;
51         document.getElementById("response").innerHTML="Response from server: "+xhttp.responseText;
52       }
53       xhttp.open("GET", "echo.php?data=" + input, true);
54       xhttp.send();
55       document.getElementById("data").value="";
56     }
57   }
58 
59 </script>
60 </div>
61 <div id="Main">
62   <a href="http://www.wischools.com/html/">Using the a href</a></div>
63   <div id="Main">
64     Using the a href="http://www.wischools.com/html/" target="blank">@MSchools template</div>

```

Line 54, Column 54

Mail - Gaddi, Amit (gaddiat) - O_ Applied Research Cross-Functi... (6) MSIT PD7010 Alumni Panel | Lab 2 - Front-end Web Develop... gaddiat-VM x waph/gaddiat/labs/lab2 at main · phung... sandbox02.cech.uc.edu/vcdo... +

Connected to VM

Activities Sublime Text Jan 30 12:23

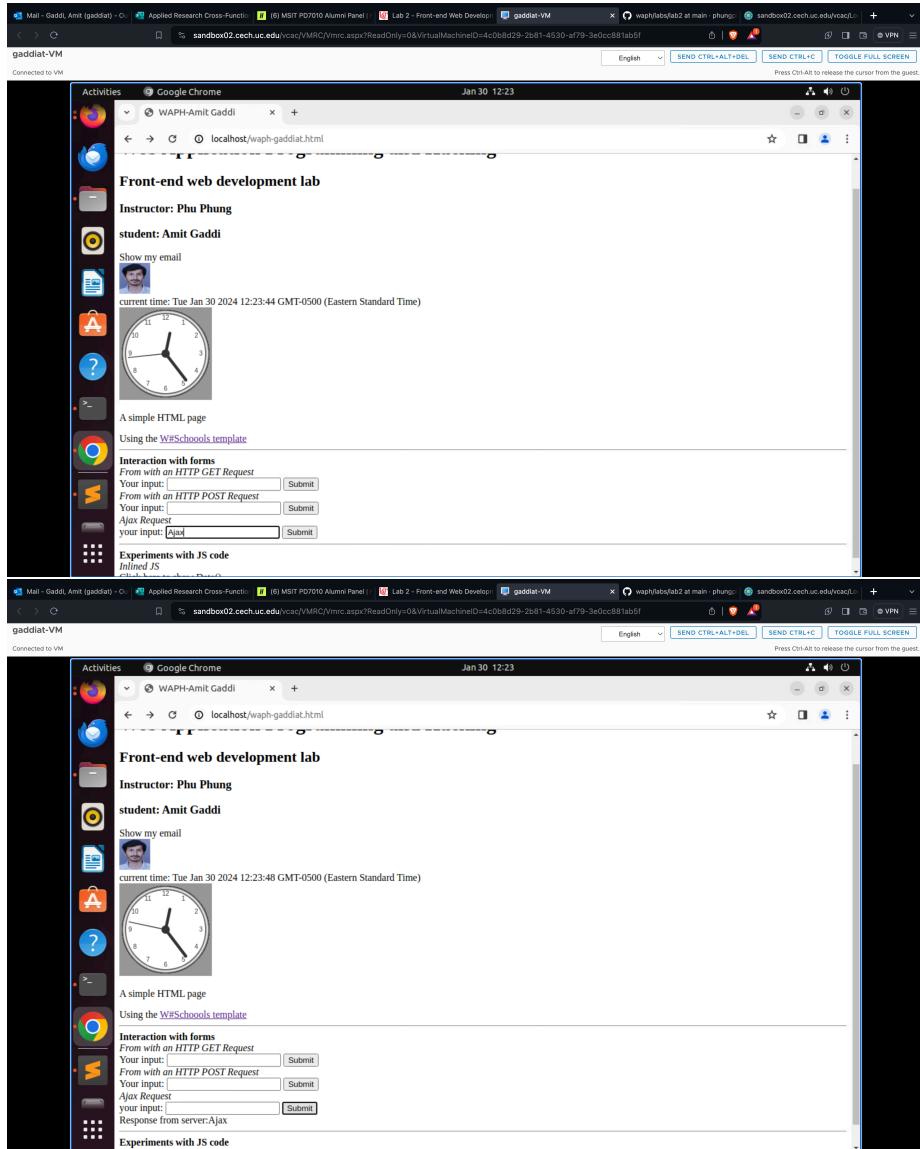
waph-gaddiat/labs/lab2/waph-gaddiat.html - Sublime Text (UNREGISTERED)

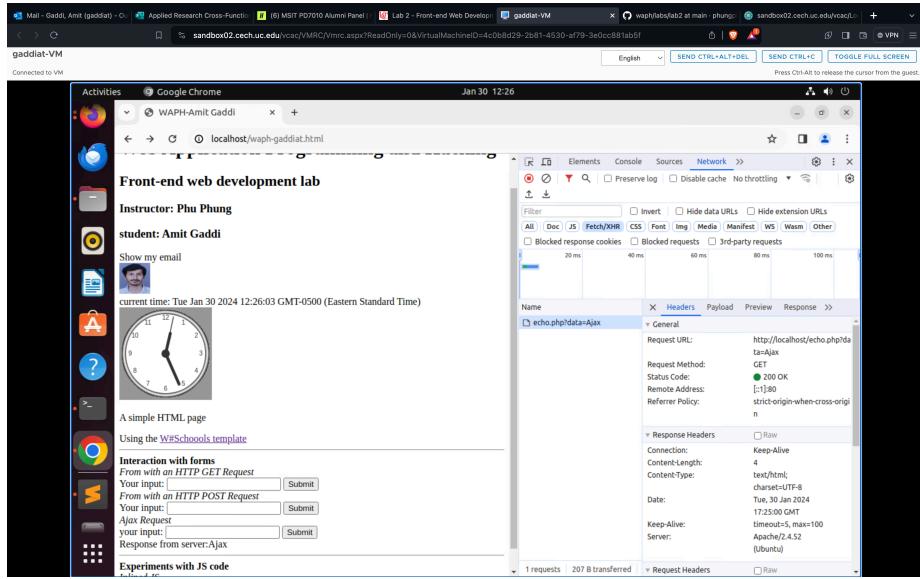
```

File Edit Selection Find View Goto Tools Project Preferences Help

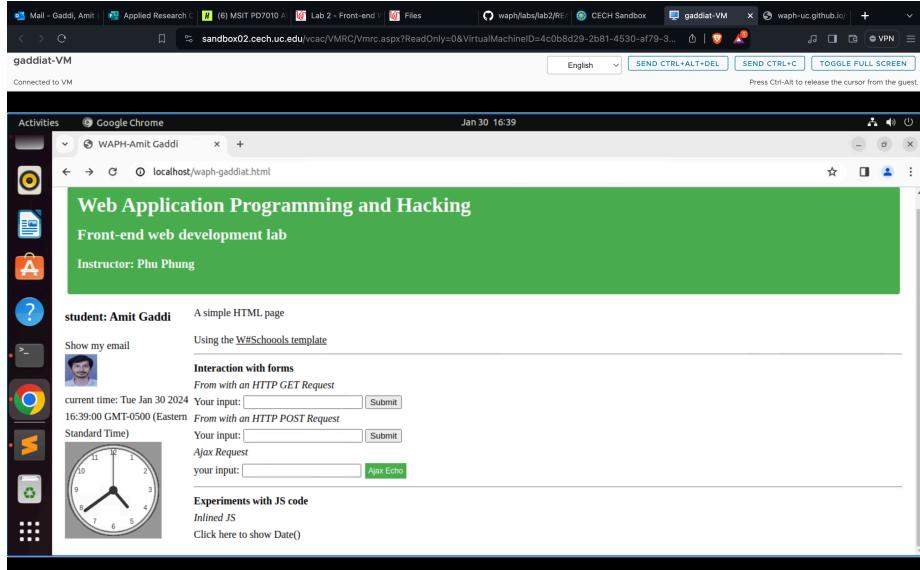
67 <div>
68   From with an HTTP GET Request
69   <form action="/echo.php" method="GET">
70     Your name: <input type="text" value="John" name="data" />
71     <input type="button" value="Submit" />
72   </form>
73 </div>
74 
75 <div>
76   From with an HTTP POST Request
77   <form action="/echo.php" method="POST" name="echo_post">
78     <input type="text" name="data" value="Enterprise><input type="button" value="Submit" />
79   </form>
80 </div>
81 
82 <div>
83   Ajax Request
84   <div>
85     <input name="data" onkeypress="console.log('You have pressed a key ') " id="data">
86     <input type="button" value="Submit" onclick="getInfo()" />
87   </div>
88 </div>
89 
90 <div>
91   Experiments with JS code<br>
92   <input type="button" value="Get Date" onclick="showDate()" />
93   <div id="date" onclick="document.getElementById('date').innerHTML=Date()">Click here to show Date!</div>
94 </div>
95 
96 </body>
97 </html>
98 
```

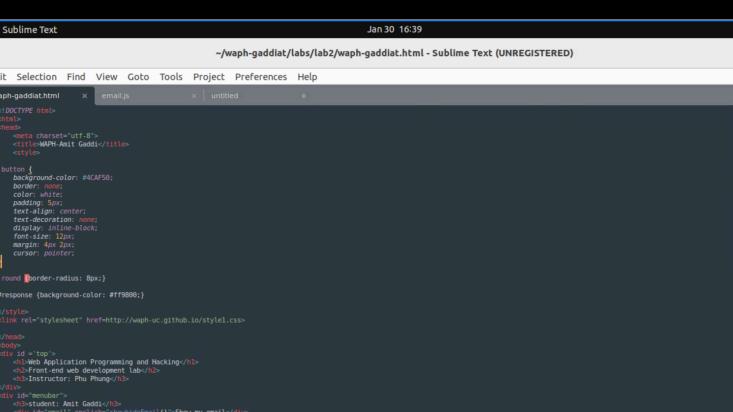
Line 54, Column 54





b. CSS (7.5 pts) In this part, I have added a css code in the the header section under style tag, I have added a code for button which makes the button green and other things and also for the response I changed it which background Orange, moreover we used external css(using the GitHub link) to add a style to our page.





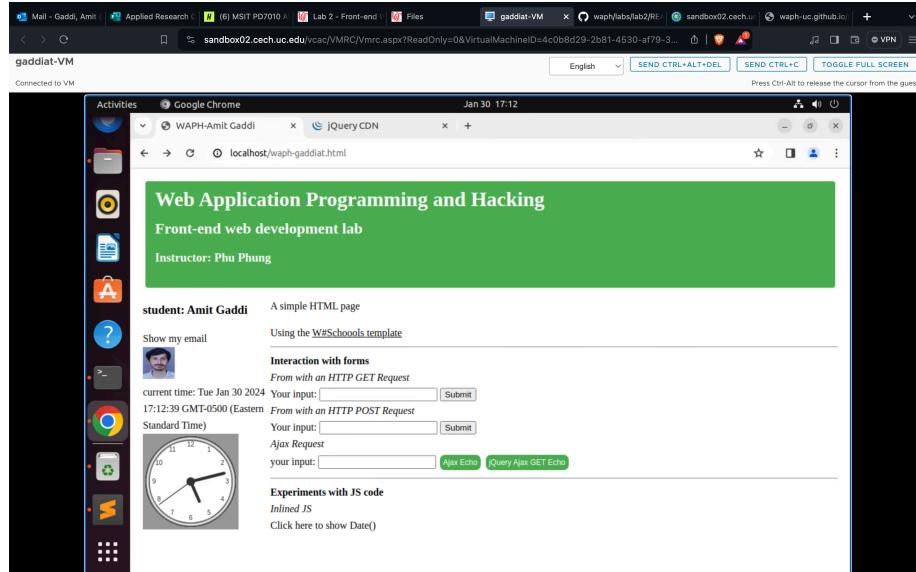
The screenshot shows a browser window with multiple tabs open. The active tab is titled "waph-gaddit-VM" and displays the URL "sandbox02.cech.cmu.edu/vcac/VMRC/Vmrc.aspx?readOnly=0&virtualMachineID=4c0b8d29-2b81-4830-a7f9-3...". Below the address bar, there are buttons for "SEND CTRL+ALT+DEL", "SEND CTRL+C", and "TOGGLE FULL SCREEN". A message at the bottom right says "Press Ctrl-Alt to release the cursor from the guest".

The main content area shows a Sublime Text window titled "waph-gaddit-VM" with the file "waph-gaddit.html" open. The file contains the following code:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>WAPH-Ankit Gaddi</title>
<style>
.button {
background-color: #4CAF50;
border: none;
color: white;
padding: 5px;
text-align: center;
text-decoration: none;
display: inline-block;
width: 100px;
margin: 4px 2px;
border-radius: 8px;
}
#round {
background-color: #FF9800;
border-radius: 8px;
}
</style>
<link rel="stylesheet" href="http://waph-uc.github.io/style.css">
</head>
<body>
<div id="top">
<h1>Web Application Programming and Hacking</h1>
<h2>Lab 2 - Front-end</h2>
<h3>Instructor: Phu Phung</h3>
</div>
<div id="menu">
<h3>Student: Ankit Gaddi</h3>
<a href="#" onclick="hideEmail()>Show my email</a>
<script src="email.js"></script>
<img alt="My headshot" width="50px" height="50px" id="myHeadshot" style="border-radius: 50%; border: 2px solid black; cursor: pointer;" data-bbox="480 480 520 520">
</div>
<div id="main">
<h1>Lab 2 - Front-end</h1>
<h2>Task 1: Create a simple web application</h2>
<h3>Description</h3>
<p>Create a simple web application that displays a heading and a button. When the button is clicked, it should show/hide an email address. The button should also change its appearance when it is being clicked (e.g., change color).</p>
<h3>Requirements</h3>
<ul>
<li>HTML, CSS, and JavaScript</li>
</ul>
<h3>Instructions</h3>
<ol>
<li>Create a new file named <b>index.html</b> and <b>email.js</b>.</li>
<li>Write the necessary HTML and CSS code to create the basic structure and styling.</li>
<li>Use JavaScript to handle the click event on the button and toggle the visibility of the email address.</li>
<li>Style the button to change its appearance during a click (e.g., change color).</li>
</ol>
</div>
</body>

```

c. jQuery (5 pts) For this section I have added two new button one for GET another for POST, and then assigned two different functions JQueryAjax() & JQueryAjaxPost() to each of the respective button. When I clicked on the buttons the request is sent to the echo page, one with the GET and another with POST and the response is retuned below.



gaddiat-VM

Connected to VM

Activities Google Chrome Jan 30 17:12

WAPH-Amit Gaddi x jQuery CDN x +

localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung

student: Amit Gaddi A simple HTML page

Show my email Using the WPSchools template

Interaction with forms

From with an HTTP GET Request

current time: Tue Jan 30 2024 Your input: Submit

17:12:43 GMT+0500 (Eastern Standard Time)

From with an HTTP POST Request

Your input: Submit

Ajax Request

your input: Ajax Echo

Response from server:fsdlkjdf

Experiments with JS code

Inlined JS

Click here to show Date()

gaddiat-VM

Connected to VM

Activities Sublime Text Jan 30 17:12

-/waph-gaddiat/labs/lab2/waph-gaddiat.html - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

waph-gaddiat.html x email.js x untitled

```

57 drawFace(ctx, radius);
58 drawNumbers(ctx, radius);
59 drawClockHand(ctx, radius);
60 }
61 }
62 function getEcho() {
63 var data = document.getElementById("data").value;
64 if (data.length==0) {
65 return;
66 }
67 var xhttp = new XMLHttpRequest();
68 xhttp.onreadystatechange=action();
69 if (xhttp.readyState == 4 && xhttp.status == 200){
70 console.log("Received data = "+xhttp.responseText);
71 document.getElementById("echo").innerHTML="Response from server:" + xhttp.responseText;
72 }
73 xhttp.open("GET","echo.php?data="+input, true);
74 xhttp.send();
75 document.getElementById("data").value="";
76 }
77 }
78 function queryAjax(){
79 var xhttp = new XMLHttpRequest();
80 xhttp.onreadystatechange=action();
81 if (xhttp.readyState==0) return;
82 xhttp.get("echo.php?data="+input, function(result){
83 });
84 if (result) document.getElementById("echo").innerHTML="Response from server:" + result;
85 if (data).val("");
86 }
87
88 </script>
89 </div>
90 </div id="Main">
91 <a href="http://www.wpschools.com/html" target="_blank">WPSchools template</a>
92 <br>Interaction with forms:<br>
93 <br>
94 <!-- From with an HTTP GET Request
95 -->
96 </p>
97 <form action="echo.php" method="GET">
98 <input type="text" name="data" />
99 </form>

```

Line 85, Column 32

gaddiat-VM

Connected to VM

Activities Google Chrome Jan 30 17:17

WAPH-Amit Gaddi x jQuery CDN x +

localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung

student: Amit Gaddi A simple HTML page

Show my email Using the WSchools template

Interaction with forms

From with an HTTP GET Request

current time: Tue Jan 30 2024 Your input: Submit

17:17:57 GMT-0500 (Eastern Standard Time)

From with an HTTP POST Request

Your input: Submit

Ajax Request

your input: Ajax Echo | Query Ajax GET Echo | Query Ajax POST Echo

Experiments with JS code

Inlined JS

Click here to show Date()

gaddiat-VM

Connected to VM

Activities Google Chrome Jan 30 17:18

WAPH-Amit Gaddi x jQuery CDN x +

localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung

student: Amit Gaddi A simple HTML page

Show my email Using the WSchools template

Interaction with forms

From with an HTTP GET Request

current time: Tue Jan 30 2024 Your input: Submit

17:18:07 GMT-0500 (Eastern Standard Time)

From with an HTTP POST Request

Your input: Submit

Ajax Request

your input: Ajax Echo | Query Ajax GET Echo | Query Ajax POST Echo

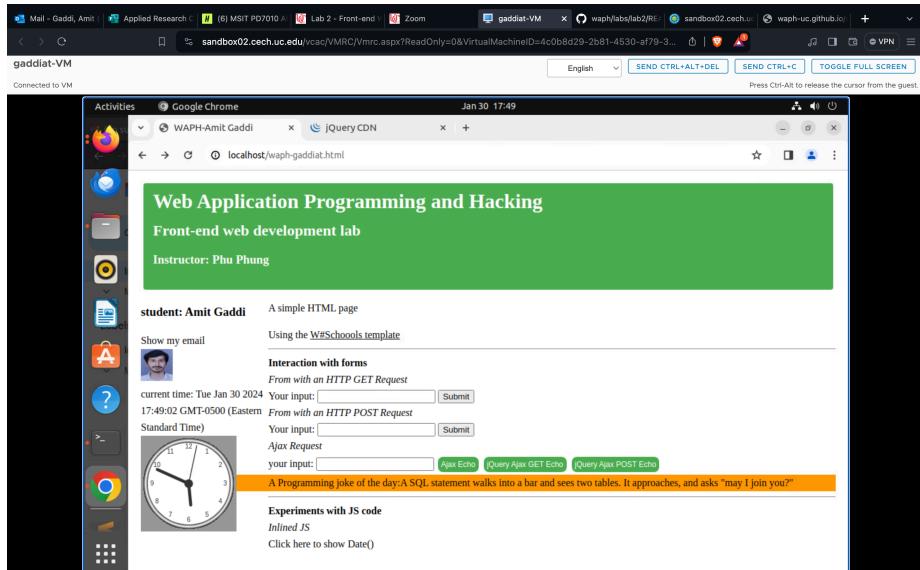
Response from server: hkskfh

```

File Edit Selection Find View Goto Tools Project Preferences Help
Jan 30 17:18
-/waph-gaddiat/labs/lab2/waph-gaddiat.html - Sublime Text (UNREGISTERED)
waph-gaddiat.html x email.js x untitled
69 if (this.readyState == 4 && this.status == 200) {
70   console.log("Received data = " + http.responseText);
71   document.getElementById("response").innerHTML = "Response from server:" + http.responseText;
72 }
73
74 http.open("GET", "echo.php?data=" + input, true);
75 http.onreadystatechange = function() {
76   if (http.readyState == 4) {
77     var responseText = http.responseText;
78     document.getElementById("data").value = responseText;
79   }
80 }
81
82 function queryAjax() {
83   var input = document.getElementById("data");
84   if (input.length == 0) return;
85   input.value = "echo.php?data=" + input.value;
86   $.get("echo.php", {data: input.value}, function(result) {
87     document.getElementById("response").innerHTML = "Response from server:" + result;
88   });
89   input.value = "";
90 }
91
92 function queryAjaxPost() {
93   var input = document.getElementById("data");
94   if (input.length == 0) return;
95   input.value = "echo.php?data=" + input.value;
96   $.post("echo.php", {data: input.value}, function(result) {
97     document.getElementById("response").innerHTML = "Response from server:" + result;
98   });
99 }
100
101 <div id="Main">
102 <p>A simple HTML page</p>
103 Using the <a href="http://www.wschools.com/html" target="_blank">wsSchools template</a>
104 <br>
105 <!--Interaction with forms-->
106 <div>
107   <!-- From with an HTTP GET Request
108   <form action="echo.php" method="GET">
109     Your input: <input type="text" name="data">
110     <input type="submit" value="Submit">
111   </form>
112   <!-- From with an HTTP POST Request
113   <form action="echo.php" method="POST">
114     Your input: <input type="text" name="data">
115     <input type="submit" value="Submit">
116   </form>
117 </div>
118 </div>

```

d. Web API integration (10 pts) i. For this I used Ajax on <https://v2.jokeapi.dev/joke/Programming?type=single> and wrote JavaScript code using jQuery Ajax to send a request and handle the response to display a random joke from the above API when the page is loaded. Then I inspected in the console to look at the response send by the Joke API and in the network I can see the request and response too.



gaddiat-VM

Connected to VM

Activities Google Chrome Jan 30 17:49

WAPH-Amit Gaddi x jQuery CDN x +

localhost/waph-gaddiat.html

Web Application Programming and Hacking

Front-end web development lab

Instructor: Phu Phung

student: Amit Gaddi A simple HTML page

Show my email Using the W3Schools template

Interaction with forms

From with an HTTP GET Request
current time: Tue Jan 30 2024 Your input: Submit

17:49:02 GMT-0500 (Eastern Standard Time) From with an HTTP POST Request
Your input: Submit

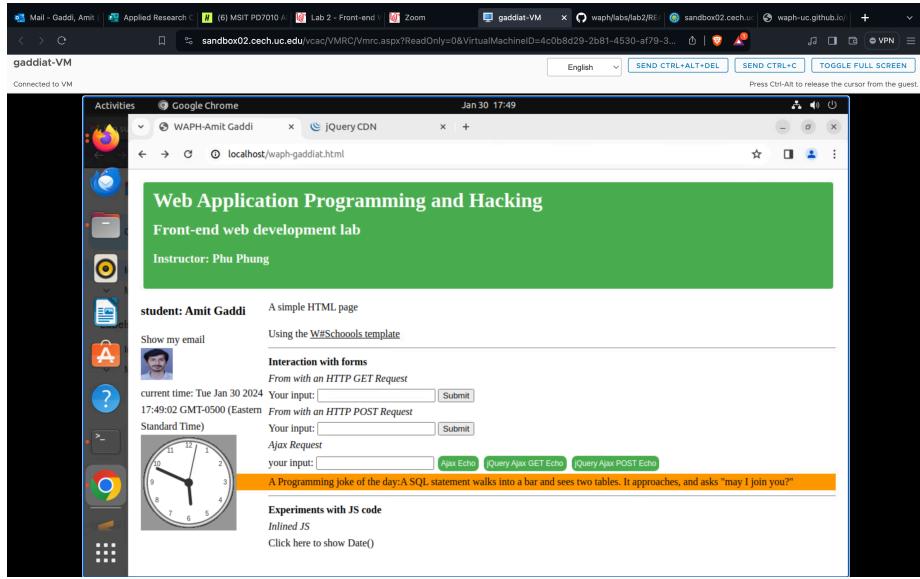
Ajax Request
your input: Ajax Echo | Query Ajax GET Echo | Query Ajax POST Echo

A Programming joke of the day:A SQL statement walks into a bar and sees two tables. It approaches, and asks "may I join you?"

Experiments with JS code

Inlined JS

Click here to show Date()



gaddiat-VM

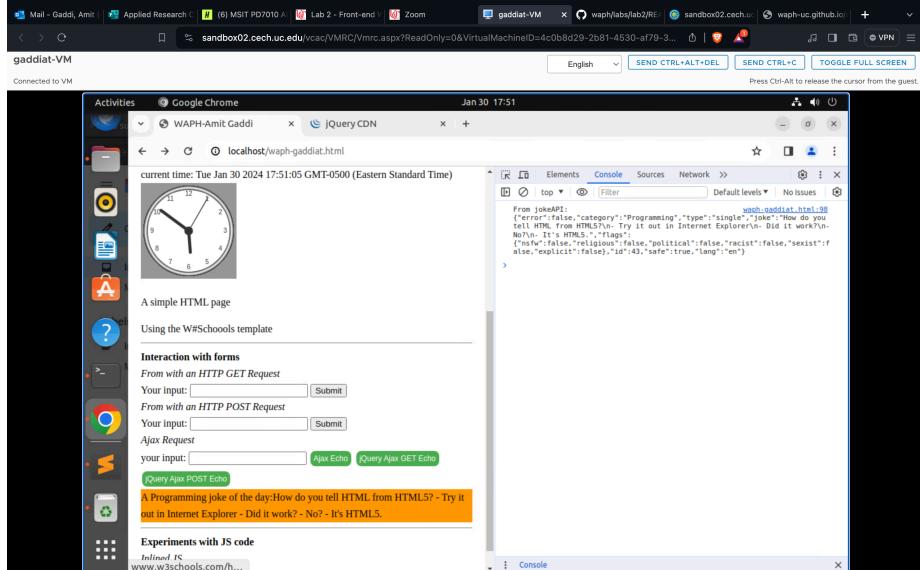
Connected to VM

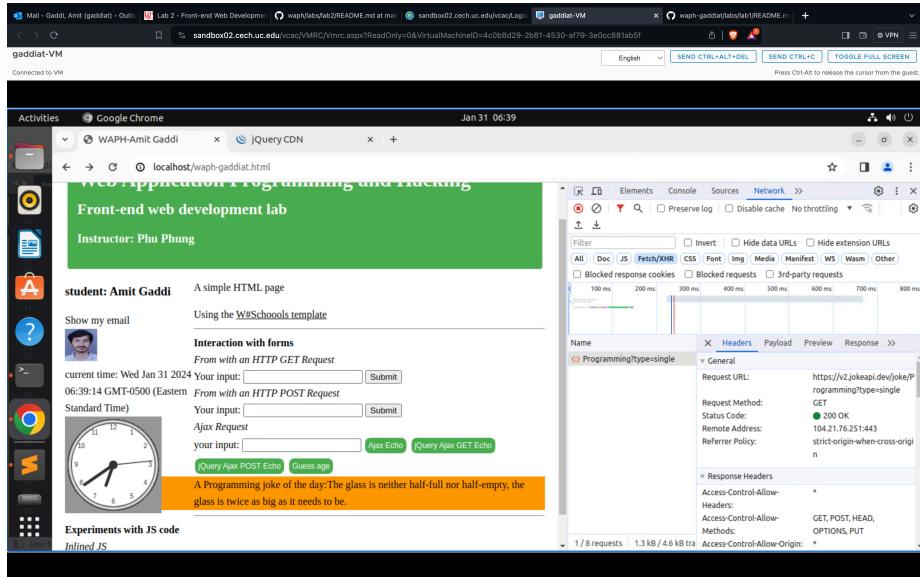
Activities Google Chrome Jan 30 17:51

WAPH-Amit Gaddi x jQuery CDN x +

localhost/waph-gaddiat.html

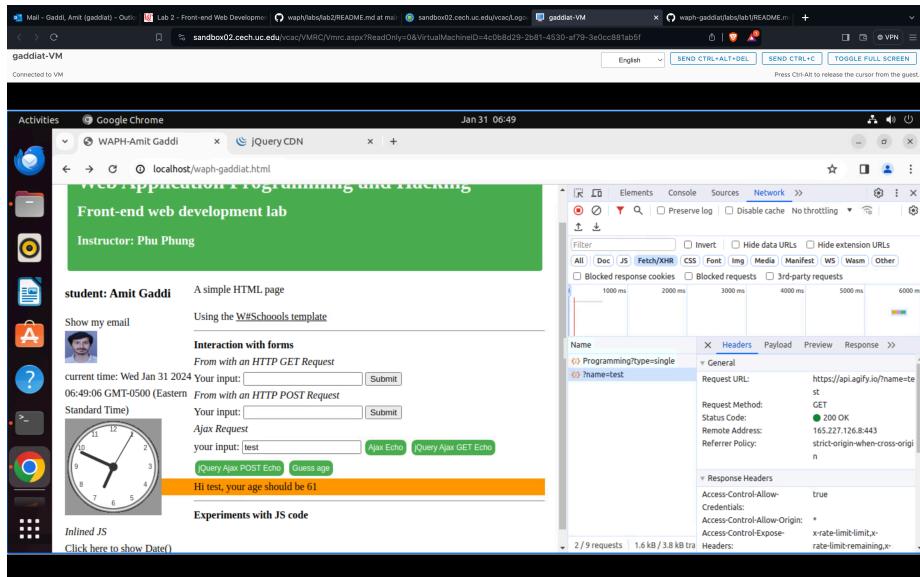
current time: Tue Jan 30 2024 17:51:05 GMT-0500 (Eastern Standard Time)





ii. Using the `fetch` API on <https://api.agify.io/?name=input>

Here first I created a new button and for that button I wrote a JS code to use the `fetch()` method to call the above API with user input, and display the response results. I then used the inspect to check out the request and response sent to and from that API.



The screenshot shows a terminal window with several tabs open, including 'Mail - Gaddi, Amit (gaddi) - Outbox', 'Lab 2 - Front-end Web Development', 'waph@lab2/README.md at main · gaddi/VM · GitHub', 'sandbox02.cech.uc.edu.vncd:Logon', 'gaddi-VM', and 'waph-gaddi@lab2/lab1/README.md at main · gaddi/VM · GitHub'. Below the tabs, it says 'Connected to VM'. A Sublime Text editor window is open, titled '-/waph-gaddi@lab2/waph-gaddi.html - Sublime Text (UNREGISTERED)'. The file contains the following code:

```
Activities Sublime Text Jan 31 06:49
File Edit Selection Find View Goto Tools Project Preferences Help
waph-gaddi.html x email.js x untitled *
90 if (input.length==0) return;
91 $get('echo.php', {data:input}, function(result){
92   $('#response').html('Response from server:' + result);
93   $('#data').val('');
94 }
95
96 $get("https://v2.jokeapi.dev/joke/Programming?type=single", function(result){
97   console.log('From jokeAPI:' + JSON.stringify(result));
98   $('#response').html('A Programming joke of the day:' + result.joke)
99
100
101 async function question(name){
102   const response = await fetch(`https://api.agify.io/?name=${name}`);
103   const result = await response.json();
104   $('#response').html(`Hi ${name}, your age should be ${result.age}`);
105 }
106
107 </script>
108
109 </div>
110
111 <div id="Main">
112   <p> simple HTML page/</p>
113   Using the <a href="http://www.w3schools.com/html" target="_blank">W3Schools template</a>
114 </div>
115 <div>
116   <h3>Interaction with forms</h3>
117 </div>
118 <div>
119   <h4> From with an HTTP GET Request
120   </h4>
121   </div>
122   <form action="echo.php" method="GET">
123     Your input: <input name="data">
124     <input type="submit" value="Submit">
125   </form>

```

Line 54, Column 38