

ASSIGNMENT 2: Understanding PHP and JSON**(Group Assignment)****Dr. Varun Dutt****Due: Before 1 PM on August 25th, 2021****Readings:**

- Class notes and slides from week 2
- Activity 2 on Moodle

Objectives:

- Understand how PHP works
- Understand how JSON works.

Submission:

Each group will make one single submission.

Please submit as a zipped file, the following documents:

- HTML file and CSS stylesheet with proper filenames
- A PHP file with the code
- Any supplementary material that has been provided.

Assignment:

Q1. Create a contact form similar to the one attached below using HTML, CSS and PHP

First Name *	<input type="text" value="Abhinav"/>
Last Name *	<input type="text" value="Choudhury"/>
Email Address *	<input type="text" value="abhinavchoudhury.0490@gmail.com"/>
Telephone Number	<input type="text"/>
Comments *	<div><div>Hi,</div><div>My group number is</div><div>This is a solution to</div><div>the 2nd assignment</div><div>question.</div></div> <div><div></div><div></div><div></div></div>
<input type="button" value="Submit"/>	

Please enter your details in the text boxes.

The following things should be present in the webpage:

1. The webpage should be structured like a contact form containing your First name, Last name, email address and Phone number and a comment.

The comment box should contain the following text:

Comments *

Hi

My group number is |
This is a solution to the
2nd assignment question.

Submit

2. The form should send the above mail from your email address mail to your **Group TA's email address** (institutional).

Sample email output:



abhinavchoudhury.0490@gmail.com

to me ▾

Form details below.

First Name: Abhinav

Last Name: Choudhury

Email: abhinavchoudhury.0490@gmail.com

...

Telephone:

Comments: Hi,

My group number is

This is a solution to the 2nd assignment question.

Hint: Setting up your mail server in XAMPP

In C:\xampp\php\php.ini find extension=php_openssl.dll and remove the semicolon from the beginning of that line to make SSL working for gmail for localhost.

In php.ini file find [mail function] and change

```
[mail function]
; For Win32 only.
; http://php.net/smtp
SMTP=smtp.gmail.com
smtp_port=587
sendmail_from = <your address from where you want to send the mail>
sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"
```

Now Open C:\xampp\sendmail\sendmail.ini. Replace all the existing code in sendmail.ini with following code

```
; smtp port (normally 25)
smtp_server=smtp.gmail.com
smtp_port=587
error_logfile=error.log
debug_logfile=debug.log
auth_username=your email address
auth_password=your email password
force_sender=your email address
```

For more information, please see the following link: [How to configure XAMPP for mail](#)

Q6. [Optional Bonus].

Download the JSON file wizard.json from Moodle and decode the data and print it in the following format using PHP.

Harry Potter's wand is holly, 11 inches, with a phoenix feather core.
Hermione Granger's wand is vine, 10 and 3/4 inches, with a dragon heartstring core.
Ronald Weasley's wand is Ash, 12 inches, with a unicorn tail hair core.
Draco Malfoy's wand is Hawthorn, 10 inches, with a unicorn hair core.
Neville Longbottom's wand is Cherry, 13 inches, with a unicorn hair core.
Bellatrix Lestrange's wand is Walnut, 12 and 3/4 inches, with a dragon heartstring core.