### **IIT MANDI CS-207**

# APPLIED DATABASE PRACTICUM

**FALL 2021** 

# **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:

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

### **Assignment:**

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

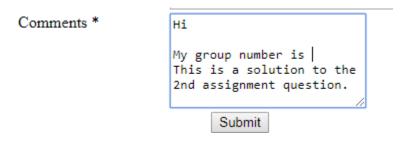
First Name *	Abhinav
Last Name *	Choudhury
Email Address *	abhinavchoudhury.0490@gmail.com
Telephone Number	
Comments *	Hi,  My group number is This is a solution to the 2nd assignment question.  ✓
	Submit

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:



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

## Sample email output:



## Hint: Setting up your mail server in XAMPP

In C:\xampp\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.