**COEN 178          Intro to Database Systems          Spring 2022**

# Objectives: Learn

- Using HTML, PHP and Oracle SQL to build a Web application that reads the user input via an HTML form, processes the input on the server side using PHP and Oracle SQL.

**SUBMIT:**

- Edited PHP and HTML files
- Website link

**DEMO:**

- Website

# Ref:

https://www.oracle.com/technetwork/database/database-technologies/php/phpintro-otn-090860.html#t5

In **this assignment,** you will work with different pieces in building a web application that uses an Oracle database. **You will do the following**:

a) Create the tables and necessary PLSQL procedures/functions.

b) Use an HTML web form to input the data that should be inserted into the tables in a) Invoke a PHP script that takes the input data from the webform in b) and inserts it into the tables in **a**. You will learn how to call a PLSQL procedure from a PHP program.

c) Use a web form with a clickable link to display the data in the tables.

**Note:** You will learn all the steps necessary to build a Web application with a GUI for your final project.

**Create the table and PLSQL procedure below:**

a) `Create table MovieReviews (movieName varchar(25), comments varchar(40));`

b) `Create or Replace procedure addMovieReview (v_movieName IN varchar, v_comment IN varchar) AS`

   `BEGIN`

   `insert into MovieReviews values (v_movieName,v_comment);`

   `END;`

   `/`

## Exercise 1 (15pts)

In this exercise, you will use an HTML web form for user input and a PHP script on the server side that processes the input and inserts the input into the tables, **MovieReviews.**

You will use the following files:

- **movieReviewsForm.html**

- **addMovieReview.php**

- **showMovieStats.php**

a) Copy all the files into your webpages directory (/webpages/<username>/)

b) Open the **movieReviewsForm.html** with your text editor and give the correct path to your **addMovieReview.php** script, in the **action attribute** of the **form**. Save your changes.

c) Now, open the **addMovieReview.php** file with your text editor. Edit the code to put your username and password to login to Oracle database . **Note**: At the end of the lab session, please feel free to change your password.

d) From your browser window, using its URL, open **movieReviewsForm.html.**


**You should see a form shown below.**

# Movie Name and Comments

Movie Name: [          ]          Comments: [          ]

[Submit]  [Reset]

This is the input form to insert data into the **MovieReviews** table.

e) Enter the name of a movie you have seen and your comments in the fields in the form. Click **submit button**.

f) Do you see any messages whether your submission succeeded? You should see the message below displayed on the page.

## Movie Review Inserted

g) Now, from your SQLPlus prompt, do a `select * FROM MovieReviews` table and check if the data you submitted via the form is inserted into the table. If the table does not show any data, give it a second or so, and do the query again. Sometimes, there is a lag time before you see the data. You may log out of SQL and log back on and try the query.

h) Enter a few more rows of data (movie names and comments) into the tables, using the HTML form. You should do several submissions for the same movie with different comments.

**Q: What is the URL for movieReviewsForm.html?**

**A:**

**Exercise 2 (10pts)**

In this exercise, you will use **showMovieStats.php** script, which when run opens a web page with a clickable link as below.

a) Open the file **showMovieStats.php** in your text editor. Edit the path of the file in the **href** attribute in the <a> tag. Save your changes.

b) Now, open the file, **showMovieStats.php** in the browser window. Click on the **link** displayed and check if the displayed stats are correct. The stats show below are for the data that I entered.

Show Movie Stats

Movie: Titanic No. of Reviews: 2
Movie: Sound of Music No. of Reviews: 3
Movie: Lion King No. of Reviews: 1
Movie: Matrix No. of Reviews: 1

**Exercise 3 (25 pts)**

Now, you should provide one more stat when you click the link on showMovieStats.php page. The stat should **show the movie (s) with the most no. of reviews**.

 **The output should be as below:**

Movie: Titanic No. of Reviews: 2
Movie: Sound of Music No. of Reviews: 3
Movie: Lion King No. of Reviews: 1
Movie: Matrix No. of Reviews: 1

# Movie(s) with most no. of reviews

Movie: Sound of Music No. of Reviews: 3

**Edit the showMovieStats.php** file and add one more query (follow the comment lines in the file) to find the name(s) of movie(s) with maximum no. of reviews