# SOFE 2800U
# Web Programming
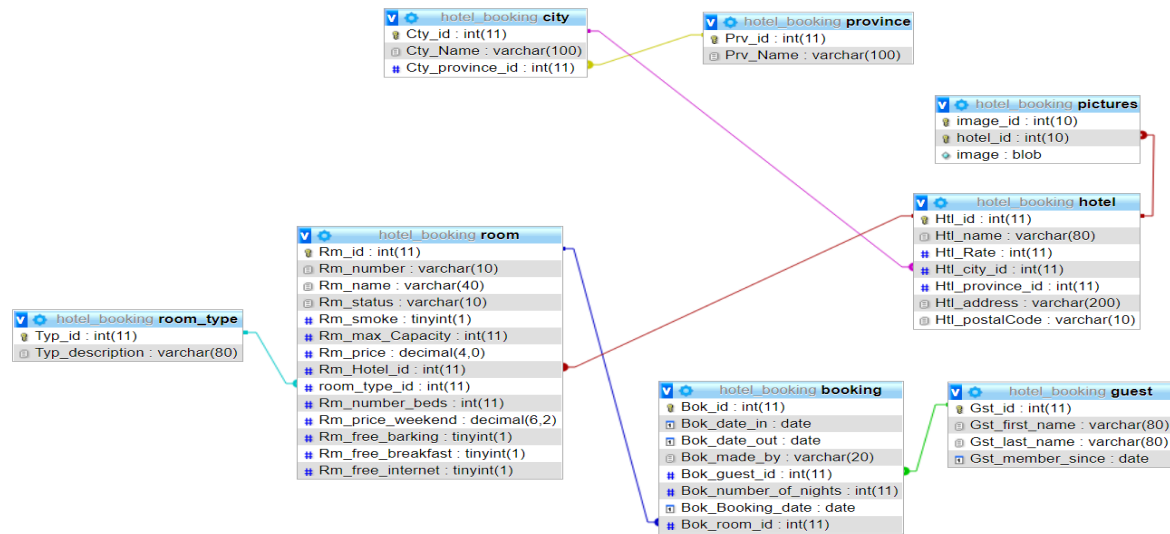# Fall 2017

**Assignment 3**

**PHP and MYSQL**

**Due date: Nov. 12, 2017 @ 11:59 pm**

Database Setup:

The aim of this assignment is to use PHP to connect to MYSQL database, and perform different transactions. Hence, the database diagram is provided below. The database consists of 8 tables. These tables are:

- Province
- City
- Hotel
- Pictures
- Room
- Room-Type
- Guest
- Booking

The tables contain sample data to complete this assignment.

Please follow the following steps to setup the database which will be used in this assignment

using WAMP MYSQL. (I assume that you are already installed WAMP)

1- In WAMP menu, click on MySQL, and click on MySQL console.
2- In the MySQL console run the following commands
   a. create Database Hotel_Booking;
   b. use Hotel_Booking;
   c. grant all privileges on Hotel_Booking.* to 'hbs@localhost' identified by 'hbs';
   d. source c:/Hotel_Booking.sql

3- Hotel_Booking.sql will be provided with the assignment.

At this step the database and the tables are created. To browse the database tables, login to

http://localhost/phpmyadmin using hbs@localhost as the username and hbs as the password.
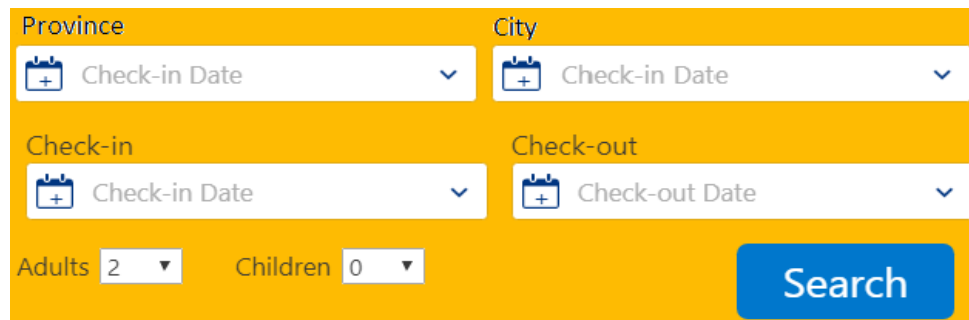
## The Assignment:

You are required to design a website. The website consists of two pages (for this assignment). The first page consists of three sections.

**Section 1**: a menu that contains the website's logo, Register button, and Sign in button.

**Section 2:** This section contains the following fields: **(Use Province and City Tables to finish this part)**

- **Province**: reads from Province Table to display the province name
- **City**: reads from City Table to display the city name based on the province the user already chose
- **Check-in Check-out, number of Adults, number of Children:** these fields are control fields. You should implement some validations i.e.: check-in date should be earlier that check-out, number of adults and children not exceed 5.
- **Button Search:**



**Section 3:**

- The search button should include a PHP function to display all the records from the database match the user selection.
- The results should be displayed in a table where the first column shows the hotel's image, while the second column shows the hotel's address, rate, and a button to view the rooms within that hotel.  **(Use Hotel Table to finish this part)**

| | | | |
|---|---|---|---|
|  | Rate:<br>The Address | View Deal | |
|  | Rate:<br>The Address | View Deal | |
|  | Rate:<br>The Address | View Deal | |

**[Use Room Table to finish this part]**

- **View deal** Button should open a new page with a list of all rooms of a particular hotel.

  The list should display information about a room like:

  - Room price
  - Room Type
  - Smoking/Not smoking
  - Number of beds
  - Free parking/not
  - Free breakfast/ not
  - Free internet/ not

- The design of the Rooms Page should be like

- For this assignment, the reserve button is inactivate.

| Room1 : | Single room<br>Non-smoking : yes<br>Free- parking : yes<br>Free- internet : yes<br>Free-Breakfast :yes | Price :  $120<br><br>Reserve |
|---|---|---|
| Room2 : | Double room<br>Non-smoking : yes<br>Free- parking : yes<br>Free- internet : no<br>Free-Breakfast: no | Price :  $140<br><br>Reserve |