

Web Development

Semester 3 - Main Assignment

Notes

Search

To do a wildcard search e.g. book title , using PDO do something like

Create a form with search field
Allow user to enter partial title

After post

```
$title = $_POST['search_string'];  
$title = "%".$title."%";
```

Then

```
$stmt = $dbh->prepare("select *from books where title like ?" );  
$stmt->bindParam(1, $title);  
$stmt->execute();
```

***Note if you want to search from the start of a title drop the leading "%" and .

Dates

```
$start = new DateTime('today'); //new date object of today's date  
$startstr = $start->format('Y-m-d'); //convert date to string  
//  
$weekstr = date('Y-m-d', strtotime(' + 7 days'));  
//
```

```
$week = new DateTime($weekstr); //create date object from string
//
$days = $week->diff($start);
echo $days->d; //days as integer
//
// store date to mysql as string in yy-mm-dd format
// when read from database convert to DateTime using date string from table
// use diff to find days between, ->d returns days as integer
```

SQL Queries and joins

You may find that you need to join two tables together and return some or all of the rows associated with the join.

Read the following for an explanation

<http://www.datamartist.com/sql-inner-join-left-outer-join-full-outer-join-examples-with-syntax-for-sql-server>

Item number 2 could be of particular use.

Admin Table

To create admin records you can create an admin table and manually add records

To create the table (run in hedi)

```
CREATE TABLE admin (
  id INT(11) UNSIGNED NOT NULL AUTO_INCREMENT,
  username VARCHAR(30) NOT NULL,
  password VARCHAR(255) NOT NULL,
  PRIMARY KEY (id)
);
```

To add a row run the following (put file under htdocs and run from localhost)

<?php

```
$name="CCT123";  
$password="CCT3034";
```

```
$host = '127.0.0.1';  
$dbname = 'wdtest';  
$user = 'root';  
$pass = '';
```

```
# MySQL with PDO_MYSQL  
$DBH = new PDO("mysql:host=$host;dbname=$dbname", $user,  
$pass);
```

```
$phash = password_hash($password, PASSWORD_BCRYPT);  
$stmt = $DBH->prepare("insert into admin (username, password)  
values (?,?)");
```

```
$stmt->bindParam(1, $name);  
$stmt->bindParam(2, $phash);
```

```
$stmt->execute();
```

?>