

CSCI 241.01
Assignment 5
September 26, 2011
Instructor: Xusheng Wang

Objectives:

1. Learn how to create web GUI (Graphics User Interface)
2. Learn how to read and process user data, and how to generate a web page in PHP.

Submission:

1. Upload your assignment-4 website to your account on **inf.d.birdnest.org** web server, and email me (**wangx@winthrop.edu**) the URL to the first page of your assignment-4.
2. Create a zip file on your Calendar website, and attach the zip file with your email to me.
3. This assignment is **due at 5:30pm on Wednesday, October 5, 2011**

Requirements:

In this assignment, you need to develop two PHP pages to display a calendar for certain month.

- The first page has an HTML form that includes two textboxes and one Submit button. The two textboxes are used to enter a month and a year.
- The second page is a PHP page. Your PHP script fetches the user entered month and year, and validates the month (must be between 1 and 12) and year (must be between 1901 and 2099). If the validations for the month and year are failed, you need to output error messages. Otherwise generate and display a calendar for the month of the year by using an HTML table. The month should be displayed in month name, not numbers. (See the following figures)
- We have known that **January 1, 1901 is a Tuesday**.

Hints:

To print the calendar of a month, you need to know **how many days in the month** and **what day the first day of this month is**.

To find what day for the first day of a month, you need to calculate the total days between 1/1/1901 and the first day of the month entered by the user. You know that a year may have 365 days or 366 days (if the year is a leap year).

If a year is a leap year, it should be dividable by 4, and the year's February should have 29 days.

