ISC User Registration Page

October 2014

(reviewed on 10/14/14)

Concept

Develop an Internet Studies Center registration web site to reside on the SW server. The original page was written first in ASP, then in PHP, and over time several components have broken, or have been rendered useless.
The task is to redo the front and implement a comprehensive database to keep track of student information.
There are effectively three types of data to keep track of, and many queries to relationship tables will be needed to generate organized info to three types of users
1. "students" will contain information about each student
2. "courses" will contain information about the classes offered by each department and
3. "certificates" will contain information about the certificates offered by the ISC.

Certificates have course requirements; students sign up for certificates and take courses. The relationship between the three is shown in detail later in this report.

A component of this project will also need to keep track of the projects students are involved in (see page 5)

Tentative Schedule – CSCI 403 – Fall 2014

1. "New User" form submission working (adds user to a queue) –
2. PHP Sessions Logins working (User and Admin levels) –
4. "Certificates" database and link to users. –
5. All administrator and user queries added. -

Primary Site Section: Administrator

The administrator side of the site contains the vast majority of the work. Administrators need to be able to add and edit students, certificates and courses. They also need to be able to approve students for certificate completion, edit certificate requirements and add or remove completed courses from the students. The administrator portal contains a list of all the administrator pages.

Personal
   View your full information
   Edit personal information
   Edit your course information
   Edit your certificate information
Certificate Information
   Add certificate
   View or Edit certificate information
   Add course
   View or Edit Course information
   Add or Remove courses to a certificate's requirements
Student Information
   Edit student class completion status
   Edit student certificate information
   View the complete information for a registered student
   Update information about a registered student (including resetting a password)
   Add or Remove projects from the projects page
Class Reports
   View a listing of registered students by certificate
   View a listing of registered students by quarter
   View a listing of all registered students
Administrative Options
   View, add or edit information about administrative users
   Approve / Deny new users (pending count)
Printer Friendly Reports
   All Granted Certificates by Name
   All Granted Certificates by Type
   All Students

Comments:
 • Provide a complete and easy to use interface through this main page.
 • The "View the complete information for a registered student" section provides a complete report for one student.

Primary Site Section: User

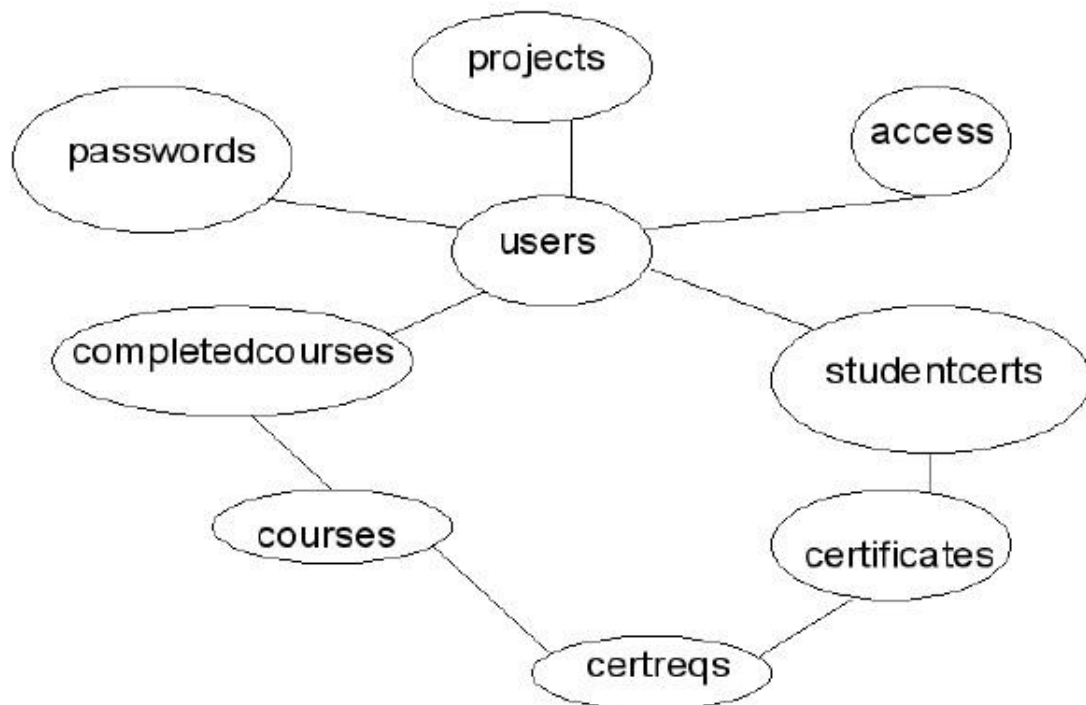The user section is significantly smaller than the administrative one.

Personal
   View your full information
   Edit personal information
   Edit your course information
   Edit your certificate information

These are exactly like the administrative versions, except they are restricted to the user that's currently logged in. Users are allowed to sign up for certificates and claim they have completed classes.

However, the final approval for a user to be "done" with a certificate must be signed off on by an administrator.

Database

The entire ISC registration site is driven with a MySQL back end. Below is a relationship chart for the various tables in the database.

Users have passwords and access levels, which are used to keep track of administrators. They are also linked to projects. When a user completes a course the user id and the course id are both added to the completed courses table.
Courses are also linked to certificate requirements through the certreqs table.
Certificates are in turn linked back to students through the studentcerts table.

Your program will also keep track of ISC projects (internships)

The administrator should be able to:

- Enter information about projects (enter new projects)
- Delete or edit any data about a specific project. In order to delete or edit, those operations need to be preceded by a display. At that stage, a project can have a student assigned to it
- Display information about all the students' projects (3 items: the first and last names of all the students and their respective projects -if any)
- Display information about all the projects (4 items: the names of all projects, and if applicable, the URL and images for each project and the name of the students working on each project).

The students should be able to:

- Display information about all the students' projects (3 items: the first and last names of all the students and their respective projects -if any)
- Display information about all the projects (4 items: the names of all projects, and if applicable, the URL and images for each project and the name of students working on the projects).

To create a project, the administrator will need to enter a project's name and the name of the student involved. Note that more than one student can be assigned on a project. However, projects can be described with no student assigned to them, and some students can have NO project assigned to them.

When project are being described in the database, they need to have a name as well as the name of the company and the project's supervisor. If the project has already been completed, the administrator will also enter a URL showing the location of the project, the date of completion and a small screen capture of the site. (Examples of screen capture at http://yorktown.cbe.wwu.edu/ISC/Projects.aspx)

For the projects, we need to have:

- Name of the project (enter a relevant name)
- (Optional) Name of the student involved
- Name of the company
- Name of the supervisor
- (Optional) URL for the project
- (Optional) Date of completion date (month, day, year)
- (Optional) An image illustrated the project (possibly a screen capture)

Screen shots: The administrator portal:

Internet Studies Center Administrator Portal

Logged in as: Brian Dahl - (Log out)

- **Personal**
  - View your full information
  - Edit personal information
  - Edit your course Information
  - Edit your certificate information

- **Certificate Information**
  - Add certificate
  - View or Edit certificate information
  - Add course
  - View or Edit Course information
  - Add or Remove courses to a certificate's requirements.

- **Student Information**
  - Edit student class completion information.
  - Edit student certificate information.
  - View the complete information for a registered student.
  - Update information about a registered student (includes resetting a password)
  - Add or Remove projects from the projects page

- **Class Reports**
  - View a listing of registered students per certificate
  - View a listing of registered students by quarter
  - View a listing of all registered students

- **Administrative Options**
  - View, add, or edit information about administrative users
  - Approve / Deny new users 1 pending!

- **Printer Friendly Reports**
  - All Granted Certificates by Name
  - All Granted Certificates by Type
  - All Students

Internet Studies Center Portal

Logged in as: bob bob - (Log out)

- **Personal**

  - View your full information
  - Edit personal information
  - Edit your course Information
  - Edit your certificate information

The user portal

W3C XHTML 1.0

Computer Science Department

WESTERN WASHINGTON UNIVERSITY

INTERNET STUDIES CENTER

Administrator: View complete student information.

Instructions:
Select a student to view their full information.

Select Student: Dahl, Brian   Submit

Return to portal

Viewing user: Brian Dahl

First Name:	Brian
Last Name:	Dahl
Student Number:	
Graduation Year:	2008
Graduation Quarter:	Summer
Major (primary):	Computer Science
Major (secondary):	(none)
Minor (primary):	(none)
Minor (secondary):	(none)
Phone Number:	2069499113
E-Mail:	

Certificates

User information panel

Nub

Required courses: CS202   CS403   CS442
Completed courses: CS442