

## **REGS System- Team 13**

### **WEBSITE LINK:**

<http://student.seas.gwu.edu/~chafeitz/log.php>

### **FACULTY CREDENTIALS:**

#### **Professor - Password**

ROGER STONE - 501

TIMOTHY WOOD - 502

AMANDA VORA - 503

MEWELDE MOORE - 504

MARTHA DUQUES - 505

### **GRADUATE SECRETARY**

EMILY WALL - 555

**Carlos: was in charge of all work related to faculty.**

**Faculty logging in**

**Course selection**

**Student search**

**Student filter for courses**

**Course filter for professor**

**Grade assigning by professors**

**Grade assigning by graduate secretary**

**Transcript search by graduate secretary**

**Table population for courses, professors**

If a user selects faculty, then the program takes you to a page "login.html". This page prompts the user for First Name, Last Name, and Password. The password that the faculty member must enter is his or her's personal professor ID. Below the textbox options, there is a button "Sign In." When this button is selected, the variables "fname", "lname", and "PID" are forwarded to the webpage "course.php." When "course.php" gets the data from the login screen, it queries the database entitled "professors". The variables fname, lname, and PID are cross referenced with the values in the table professors. If the fname, lname, and PID match a specific user in the

professors table, then the faculty member is verified as an active member and allowed to proceed to the Course Selection page. If the query of the faculty member table does not yield a user that matches the fname, lname, and PID fields, then that user is not a faculty member and will be unable to log into the system. They will receive an error stating the issue.

When a faculty member reaches the Course Selection page, they will observe a dropdown menu. The dropdown menu holds the courses that the faculty member that logged in teaches. This information is retrieved by querying the variable PID and referencing it to the tables enrolled and courses. Once the faculty member selects the course that he wants and hits the "submit" button, the system will take you to the "grades.php" page. This page will show the students that are currently taking the course, and this information is acquired by comparing the course CID that was selected from the dropdown menu and compared to the table enrolled. In the same page there will also appear a search text box in which one can input the students first name and after hitting the button search that student will appear. This is done by comparing the input text as a variable to a query which compared the first names to the variable of the text box. On grades.php each student will have a dropdown menu that possesses all possible letter grades. The faculty member must choose which letter grade he/she will assign to the student and then hit submit. After submitting it, the system will compare the number of dropdown menu that was updated and compare it to the student SID. It will update the table enrolled with the new grade and make sure is the same student and in the same course. The submission takes place in "assign.php", which when grade submission are done will display a "DONE" message with a back button to go back to the course grade assigning.

If the faculty member that logged in is the Graduate Secretary, which is known by comparing the PID introduced, it will display all the above specification but including a "View Transcripts" button in the course.php page. After hitting the View Transcripts button, the user will be taken to "transcripts.php". There, the user will observe a dropdown menu with all the students names which are retrieved from the table enrolled. Also in the same page, the user would see a Total credits and Total GPA calculator on top, which shows the calculation of the GPA and the total credits taken by the selected student.

**All student modules and pages AND Part 2 of Written Report were implemented by Emily Fusco.**

**WEBSITE LINK:**

<http://student.seas.gwu.edu/~efusco/log.php>

**STUDENT CREDENTIALS:**

**Student Name - Password**

KAREN SMITH - 1  
PETER ADAMS - 2  
ANNA KIPP - 3  
CARLY WEBB - 4  
JEAN RILEY - 5

**Emily: was in charge of all work related to students.**

**Student logging in**

**Course registration**

**Registration restrictions: time, day, semester, prerequisites**

**Course search (within registration)**

**Transcript search for students**

**Tables populated and edited: students, enrolled**

The user is first greeted with the page "log.php" which provides three choices- student or faculty. If the reset button is selected, the values in all tables (enrolled, students, professors, and courses) will be deleted and refilled with our starting information. If a user selects student, then the program navigates to a page "login1.html." This page prompts the user for a First Name, Last Name, and Password. The password that the student must enter is his or her's personal student ID. Below the textbox options, there is a button "Sign In." When this button is selected, the variables "fname", "lname", and "SID" are forwarded to the webpage "enroll11.php." When enroll11.php receives the data from the log in screen, it queries the database entitled "students." The variables fname, lname, and SID are cross referenced with the values in the table students. If the fname, lname, and SID match a specific user in the students table, then the student is verified as an active member and allowed to proceed to the Student Options page. If the query of the students table does not yield a user that matches the fname, lname, and SID fields, then that user is not a student and will be unable to log into the system. They will receive an error stating the issue and a button "back" allowing the user to log into the student system again with correct information.

When a student reaches the student login page, they are faced with two options. The first option is Course Registration. The student is prompted to select a semester in which to register: Spring, Fall, or Summer. The year in which the student is registering is automatically set to 2013, as that is the current academic year. All courses are offered in every semester, so the list of courses that a student may choose from does not vary from semester to semester. Once a student has selected a semester, they may select the button "Register." If the Register button is pressed without a selected semester, then the student will be unable to register for courses. Instead they will receive the message "Must Select A Semester; Please Select a Semester." This error message will be accompanied by a back button, that will allow the student to return to the previous page and select a semester to register in.

If a semester has been correctly selected, then the student will be directed to the page “enroll1.php.” This web page displays all of the courses that are currently offered in the semester that the student wishes to register in. This is done by querying the table “Courses” and selecting descriptive information from all entries in the table. For each available course, the Course ID, Department, CRN, Title, Credits, Day, and Time are displayed. To make registration feasible, there is a search button on the registration page. A student may use a keyword to search through the titles of the 22 offered courses. The button “Search” initiates a query of the table courses whose titles contain the string input in the search textbox. The web page will refresh to enroll1.php with the courses found from query result. The refreshed page will have the same functionality as the normal registration page.

When registering for courses, a student may only enlist in one course at a time. When the one course has been selected, the student will press the button “Register.” When the button Register has been clicked, the course information of the selected class and the registering student’s information are sent to the webpage “enroll2.php.” If the student has only selected the Register button but has not provided any course information, then they will be faced with an error stating that a course must be selected in order for a student to register. The user will also be shown a back button that will allow them to return to the previous web page to enter the correct course information. Once enroll2.php receives actual course information, the information is verified to pass all restrictions and rules. If a user is not enrolled in any other classes, the course is first checked for any prerequisites. If there are no prerequisites for the course, the student may enroll. If there are prerequisites for the course, then the student is faced with an error stating that all prerequisites must be fulfilled before they may register for that course. They are provided a back button to navigate to the previous page. If a student tries to register for a course that is: on the same day and at the same time as another course in the same semester; on the same day and within 30 minutes of another course in the same semester; or that does not have all prerequisites filled, then they will be given an error and not be allowed to register.

When a student is on the student options page, they are also given the choice of viewing his or her transcript. If this button is selected, then the user’s fname, lname, and SID are pushed to the web page “trans.php.” When this is selected, all courses that the student is currently/has been enrolled in are displayed. If they are currently taking the course, then the grade displayed will be IP. Otherwise, the grade earned in that class will follow the course information. At the top of the transcript page, the total number of credits earned and the student’s total GPA will be seen.