SQL Queries

- Login helper:

  SELECT * FROM student WHERE STID='" . $stid . "' LIMIT 1;

- Navigation Bar (WEBPAGE)/"ADD COURSES":

This query basically retrieve data of 1.yet to take courses & 2.retake possible courses(finished courses whose cgpa<3). from the database for the particular student(logged in).

  SELECT courses.course_id FROM courses WHERE courses.course_id not in (SELECT course_finished.finished_course_id from course_finished WHERE course_finished.stid = '".$stid."') union SELECT course_finished.finished_course_id from course_finished WHERE course_finished.stid= '".$stid."' and course_result < 3;

- Checking Pre-requisite Courses Status: *while clicking on the course want to add, checking if all pre requisite courses of that course are done and done with proper cgpa requirement(from pre requisite course table).If both queries return same int value(number of pre requisite-courses) : means boolean true, then add. Otherwise show message "complete all pre requisite course with required cgpa. (2 queries)*

  SELECT count(*) completed_preq from course_finished,pre_req_course where course_finished.FINISHED_COURSE_ID=pre_req_course.PRE_REQ_COURSE_ID and pre_req_course.course_id='" . $course_id . "' and course_finished.stid='" . $stid . "' and course_finished.course_result>=pre_req_course.pre_req_requirement;

  SELECT TOTALNUMBER_OF_PRE_REQ_COURSE from courses where course_id='" . $course_id . "';

- ADD COURSES/SEAT STATUS:

  If the course is ok to add (after getting True for "Checking Pre-requisite Courses Status" Queries), then just showing sections/seat status for that particular course being added

  SELECT * from section WHERE course_id='" . $course_id . "';

- ADD COURSES/SEAT STATUS/Add: *while click on "Add" to a section. This query runs checking if this section has available seat or not*

  SELECT seat_remaining from section where course_id='" . $course_id . "' and section='" . $section . "';

- Finally Adding/Refusing Based on seat Availability of the section*: if output is 0(false,no seat available), show message 'no seat available' else* **ADD** *the course/section finally. After adding in the section table in database, this query updating seat_remaining attribute with decrementing by 1*

  UPDATE section set seat_remaining= seat_remaining-1 where course_id='" . $course_id . "' and section='" . $section . "';

- *Enlist the course in advised_course table in database: insert into advised_course table as the course added successfully*

  INSERT INTO advised_course VALUES('".$stid."','". $course_id. "' , '" . $section . "', '" . $faculty . "');

- Navigation Bar(WEBPAGE)/"ADVISED COURSES" : Show the added/registered courses

  SELECT * from advised_course WHERE STID='" . $stid . "';

- *Dropping an advised course from "Navigation Bar (WEBPAGE)/Advised Courses": 1.Drop from advised_course table and 2.updating*

seat_remaining attribute in section table for that particular section in database.(2 queries)

DELETE FROM `advised_course` WHERE STID="'".$stid."'" and COURSE_ID="'".$course_id."'";

UPDATE section set seat_remaining= seat_remaining+1 where faculty="'" . $faculty . "'" and section="'" . $section . "'";

- Navigation Bar (WEBPAGE) /"FINISHED COURSES" : Showing Completed Courses in previous semesters

  SELECT * from course_finished WHERE STID="'" . $stid . "'";

- Reset Password Helper

  SELECT * FROM student WHERE `Email address`="'" . $email . "'" LIMIT 1;

- Update Password

  UPDATE student set PASSWORD="'" . $newPassword . "'" WHERE STID="'" . $userStid . "'";

- Navigation Bar(WEBPAGE)/"COURSE DESCRIPTION"

  "SELECT * from courses";

- Navigation Bar(WEBPAGE)/"PREREQUISITE COURSES"

  SELECT * from pre_req_course;