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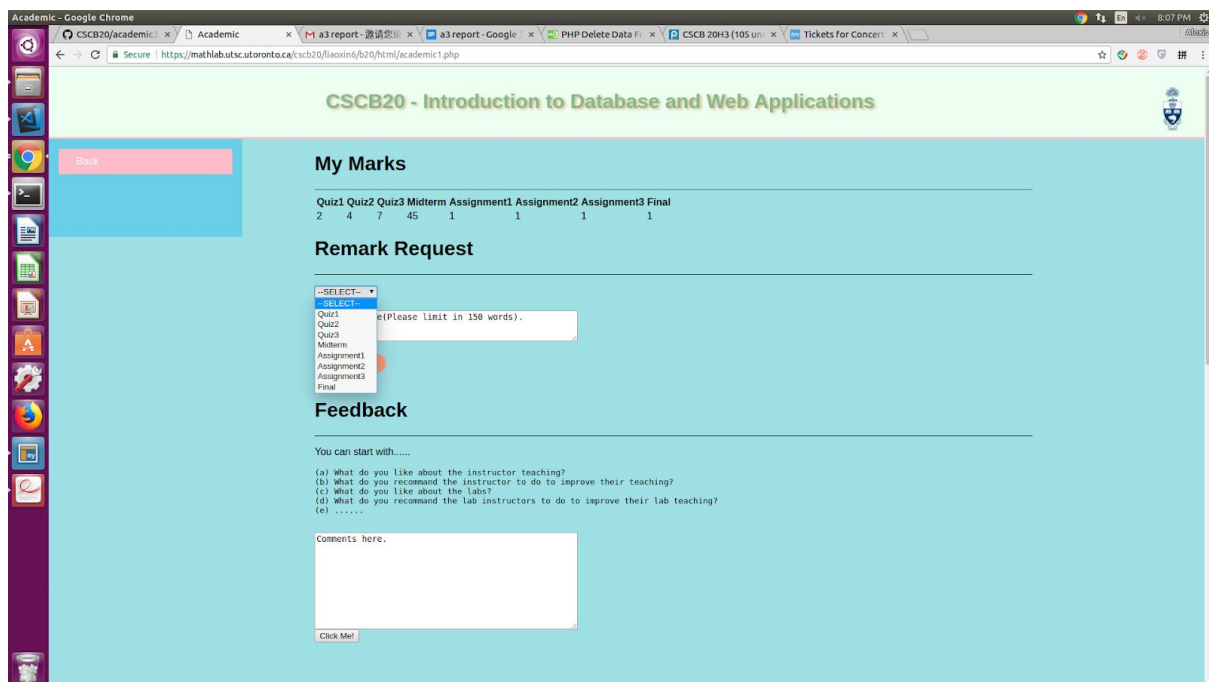
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CSCB20 Assignment 3 Report

In this assignment, we accomplish in group of two to create a login page for former course website we made in last assignment. After logging in, different user type can implement different work in website we designed. This assignment show how we can apply the knowledge of HTML/CSS/PHP/JS in web design and database, and also can develop our team working experience.

In the src file, we created some php files to build the login-register system, such as main.php, register.php, fetch.php, config.php, success.php, and error.php. fetch.php, config.php are created to check the connection to database; main.php is created as a page for user to login; register.php is created to register the account, three different types of account can be created; main.php and register.php can select and insert the data. error.php and success.php are created to show the error and success message, and redirect the course website.

In the html folder in src, we change the origin "test.html" to "academic.php", which show the original test announcement, and have a button to click. When click that button, it will redirect the website by logintype automatically, and bring the user to the corresponding page. The corresponding pages are three php file called academic1.php, academic.php2, and academic3.php. academic1.php only show the marks of the student who logged in , it can also let student send remark request and feedback;



academic2.php is designed for TA users, they can access to the remark request and message from students, and also can see the marks of student who sent remark request. They can enter the marks of any academic works;

academic3.php is only shown to instructors, and it can allow instructors to see all remark requests and update the marks of students. They can also see the anonymous feedbacks from students.

We also created several tables in database, in order to store the data, which source code is stored in the file called sql.sql.

Accounts contains any information of the users(to differ the login type, we used integers to represent the user, like 1-student, 2-T.A., 3-instructor);

Mark includes the any grades of student user, for the grade of uncompleted quizzes, exams and assignments, we used 0 as default values.

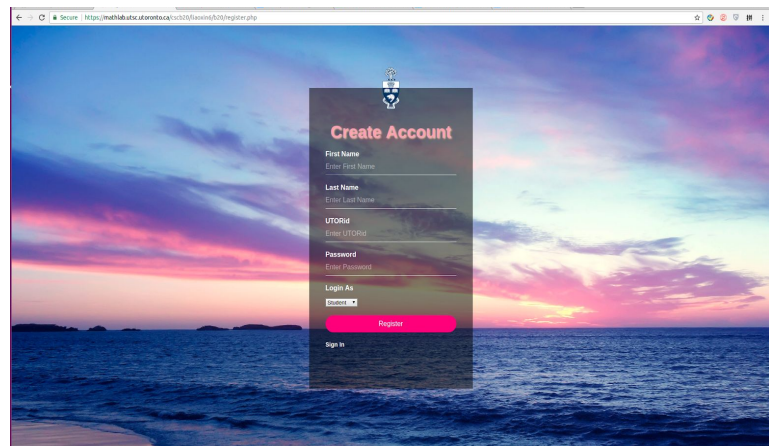
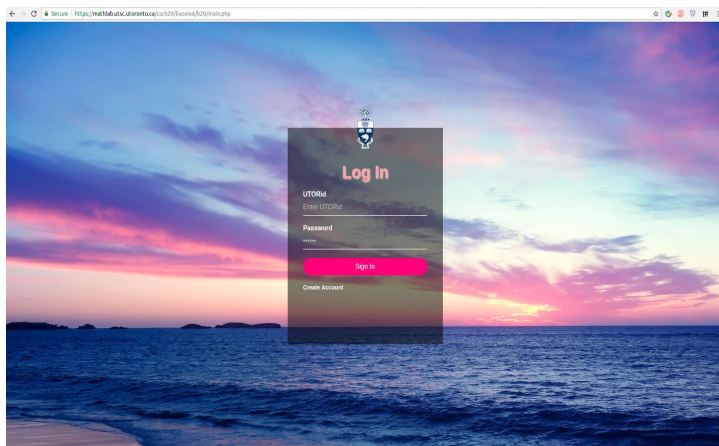
Remark can let instructors and TAs to see all the remark requests, to represent all kinds of works and exams, we still used integers from 1 to 8 to represent.

Feedback can store all anonymous feedbacks from students to instructors.

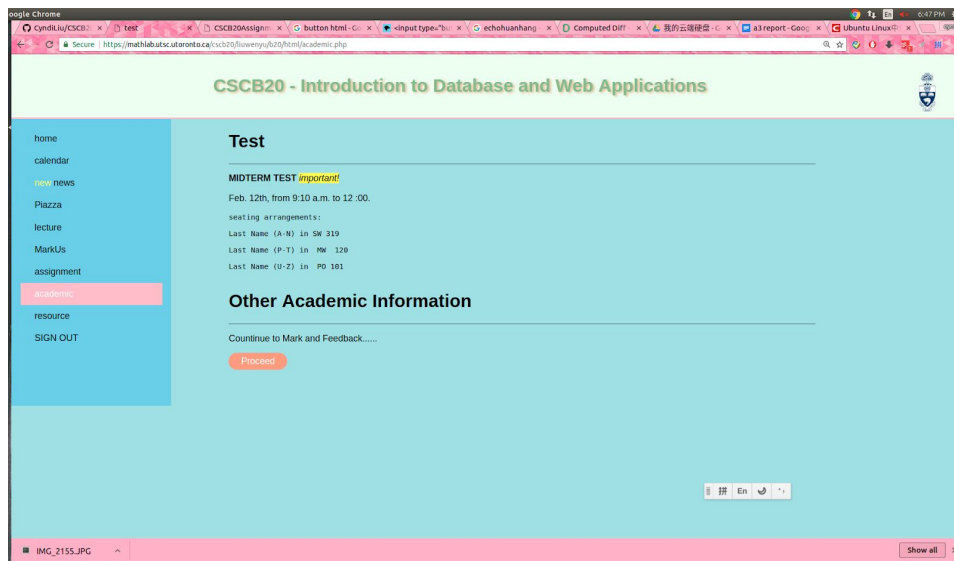
The main issues we found in exploring A3 and the solution are generally summarized below:

1. At the very beginning, we could not connect with math-lab in our login page. We didn't understand the meaning of "POST" actually mean, so we just copied the "if (\$_SERVER['REQUEST_METHOD'] == 'POST')"

part at the beginning of php, without changing the type of input, for example in html <form> section, we didn't add method="POST" in it. After reading tutorials on w3school, and watching tutorials on Youtube, we improved our code and successfully connected to database.



2. We do not know how to show different page when different user type login. At first, we wanted to write three different html files for three different user type, but we have to change the all the link in the navigation bar. So that we created a php file called academic.php, which has a special link(bottom) "Proceed" that can select the logintype of users, then redirect to different academic content pages for different types of users.



3. We generated a functionality to a new php file called changemark.php, and we inserted the "action='changemark.php'" link to that php file in group of the "form" in academic2, and academic3. The page jumped to that changemark.php directly, which was a blank page, after clicking the "submit" button. The way to solve this was to store the logintype of users into SESSION just like we stored the utorid when logging in. At the end of the changemark.php, we used a if statement that can redirect back to academic2 or academic3 according to the logintype.

UTORid	Quiz1	Quiz2	Quiz3	Midterm	Assignment1	Assignment2	Assignment3	Final
q	2	4	7	45	1	1	1	1
123r	5	8	7	60	70	70	70	60
li11	7	7	0	75	80	0	0	0

4. After T.A. or instructor remark the marks for the students, the data stored in remark table is still there, which should be deleted automatically. Finally, we figured it out by coding the DELETE data query in changemark.php, in order to delete the remark request in Remark table, and the previous request was invisible after updating.

During working on this assignment, we learnt a lot of new things, especially in php. From lecture, we knew how to select the data from database. According to assignment 1 we learnt how to insert, update and delete data from database by using mysql query. We also learnt about how <form> works in html, that we can import the separated php file into html structure. The mysqli_query functions are very helpful, and we gained some knowledge

about the different functions, such as `mysqli_fetch_object()`, `mysqli_fetch_assoc()`, `mysqli_fetch_array()`, etc. Inserting data from database into a html table was a bit tricky, but eventually, we figured it out the way and applied it a lot.