OVERALL PROGRAM DESIGN

PROBLEM 1 & 2 – HTML (P1), CSS (P2, STYLEA&B.CSS) AND JAVASCRIPT (P2.JS)

1. HTML documents and CSS file were created as specified in the project description.
2. Problem 2 (JavaScript), the course code, discipline and semester were validated against regular expression to meet the requirements specified.
3. Class for the field were changed based on the validity of the information that was enter or in some cases not entered.
4. If all the criteria were met then form would be submitted.

PROBLEM 3 – PHP SCRIPT (P3.PHP)

1. The information submitted by the users is displayed
2. Using the script a connection was made to the mySQL database created using the .sql files that were provided using the Username and password that was provided.
3. Information that was submitted was valid using regular expression as specified in the requirement.
4. Data is then inserted in the database if data meets server side validation, if not a error message is displayed.
5. The information for the courses table is then displayed showing all the courses including the recent submitted course.

PROBLEM 4 – HTML – LOGIN FORM (P4.HTML) AND PHP SCRIPT (PROBLEM4.PHP)

1. Login was created separately to view the entire database
2. **PASSWORD: 12345** for all user (Project description was incorrect).
3. Login Form was created with username, password, hidden field and a submit button.
4. The form would then submit to problem4.php on the server that will validate the password and display the table.
5. Hidden field is hashed using MD5 and compare with the sessionID. Then connection is made to the database
6. User name and Password is validated against information in the database as specified in the project description
7. If user is in the database and the password is incorrect. Number and time of failed attempts for that user will be updated in the database.
8. If the user name and password is correct. The log success count will be increase
9. If the log success is greater than zero the table for courses were shown. If not then the invalid login would be displayed.