

Problem statement:

Create a Course Registration app with the following features

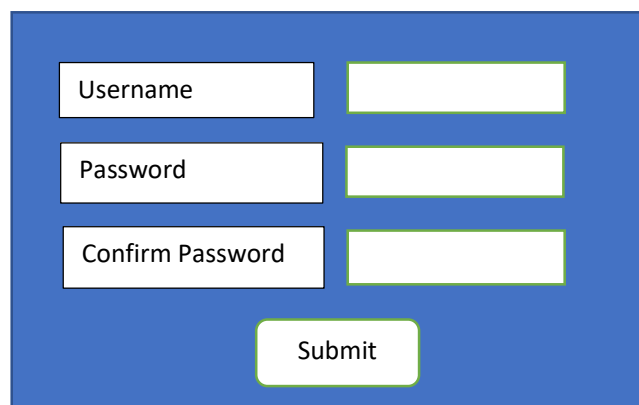
1. Create a Login HTML file as given below



A diagram of a login form on a blue background. It contains two input fields: 'Username' and 'Password'. Below these fields are two buttons: 'Sign In' and 'Sign Up'.

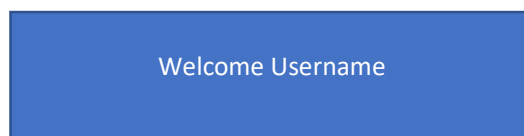
- i. Sign Up Procedure

- a. Write a java program to invoke servlets from the Sign Up HTML file as below



A diagram of a sign-up form on a blue background. It contains three input fields: 'Username', 'Password', and 'Confirm Password'. Below these fields is a 'Submit' button.

- b. At the click of Submit button, the below dialog box should be displayed and data should be stored in the database.



A diagram of a dialog box on a blue background. It contains the text 'Welcome Username'.

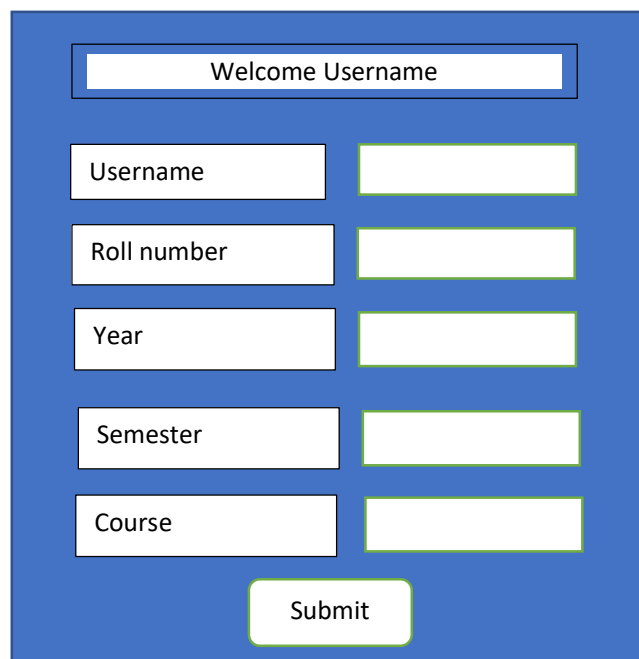
ii. Sign In Procedure

- a. Login through the Sign In HTML form and write a java program for session tracking using Hidden field form. When you hit the “Sign In” button control should go to “Course registration” form and your session should start.



A blue rectangular form with a white border. It contains two input fields: "Username" and "Password", each with a corresponding text label to its left. Below the input fields are two buttons: "Sign In" and "Sign Up".

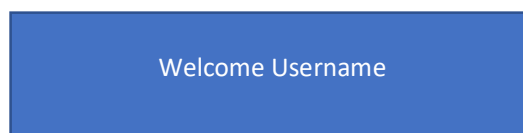
- b. Create a Course registration HTML file as below. Create a Hidden form field which should take the username from the Sign In HTML file and display it in the dialog box.



A blue rectangular form with a white border. At the top, there is a text box containing "Welcome Username". Below this, there are five input fields: "Username", "Roll number", "Year", "Semester", and "Course", each with a corresponding text label to its left. At the bottom, there is a "Submit" button.

Course Registration Form

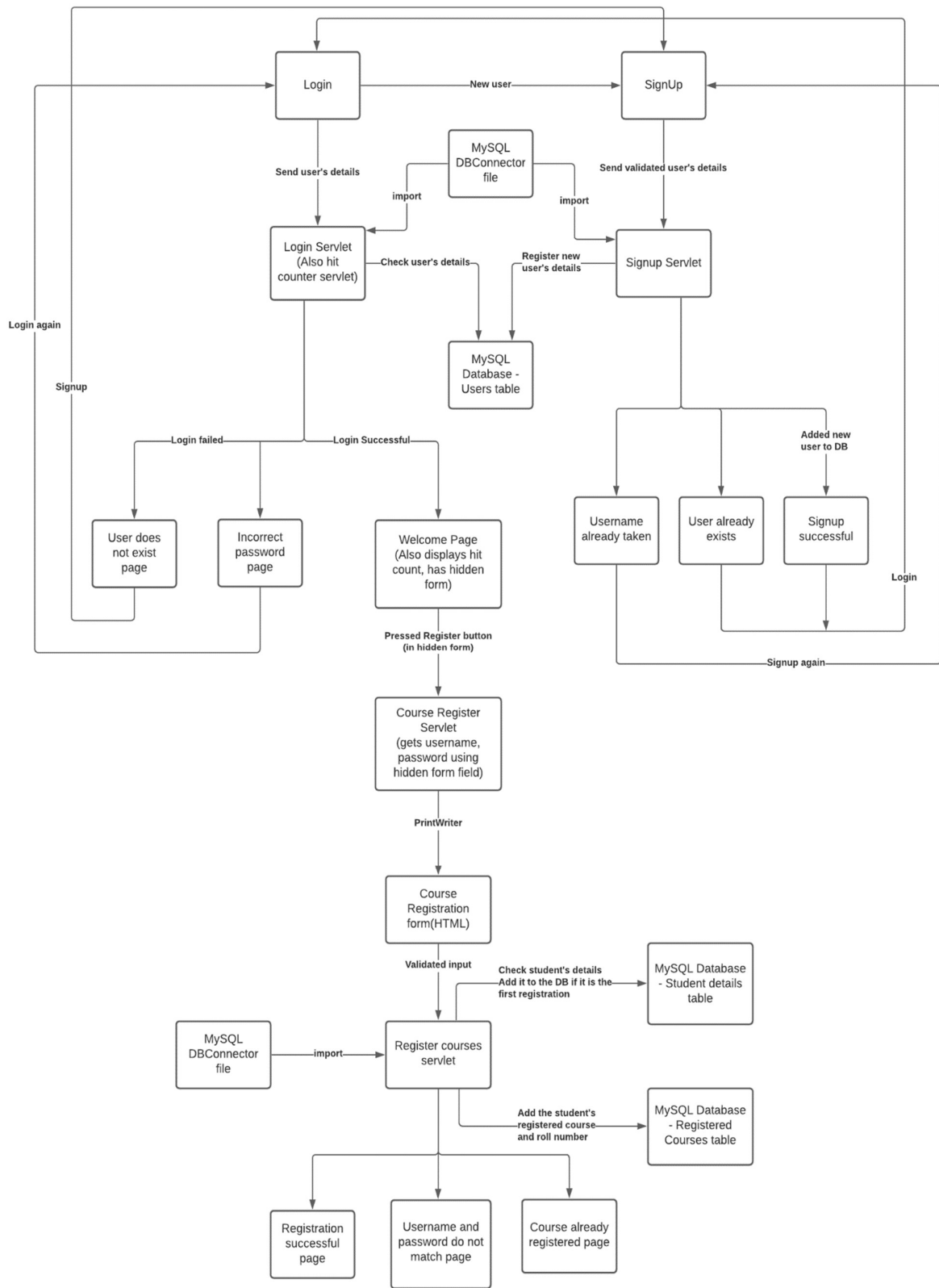
- c. Create a dialog box that takes username from the course registration form and displays it



A blue rectangular dialog box with a white border. It contains a single text box with the text "Welcome Username".

2. Write a java program to track sessions for a hit count using life cycle of a servlet
 - i. Initialize global variable in init() method.
 - ii. Increase the global variable everytime when you trigger doGet() method or doPost() method.
 - iii. Display the total number of HITS in the browser whenever you call the Login HTML file.

Design: (Block diagram)

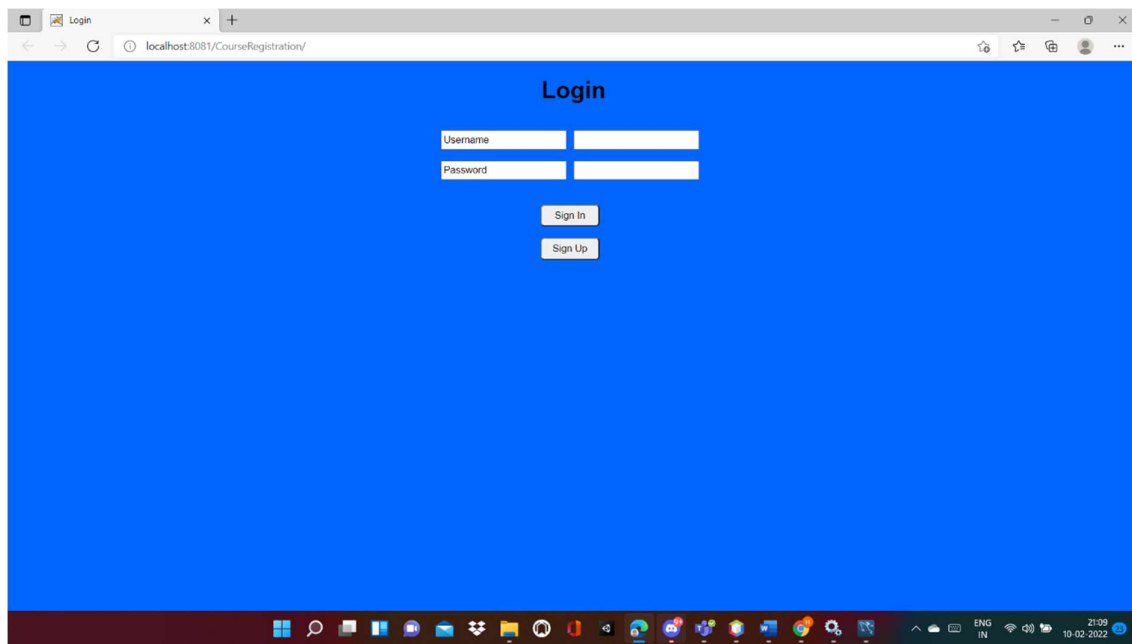


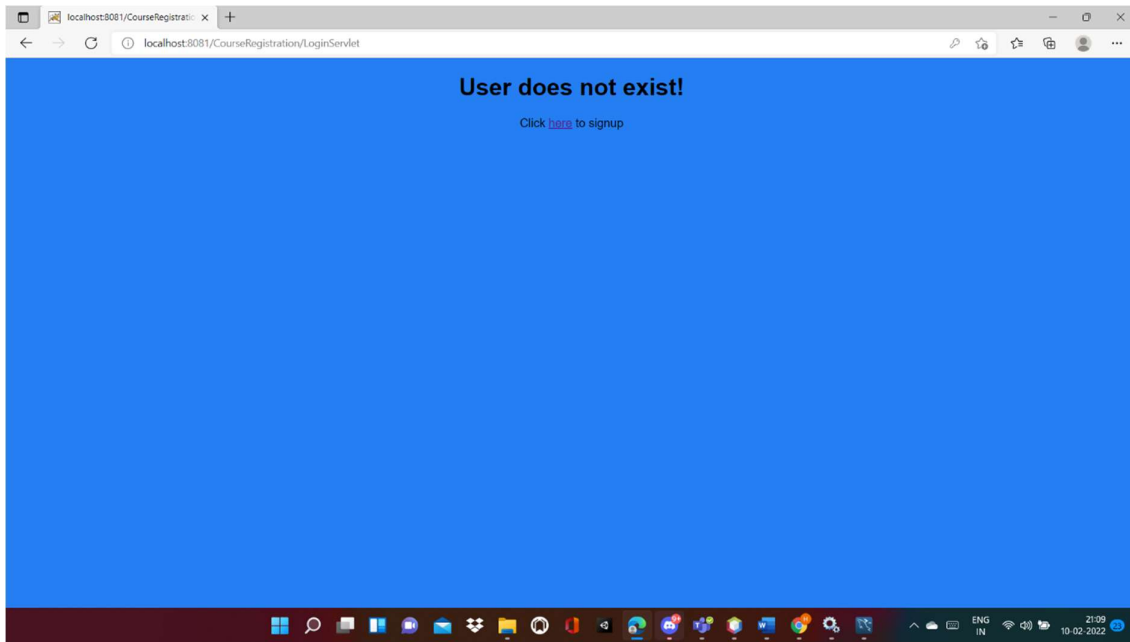
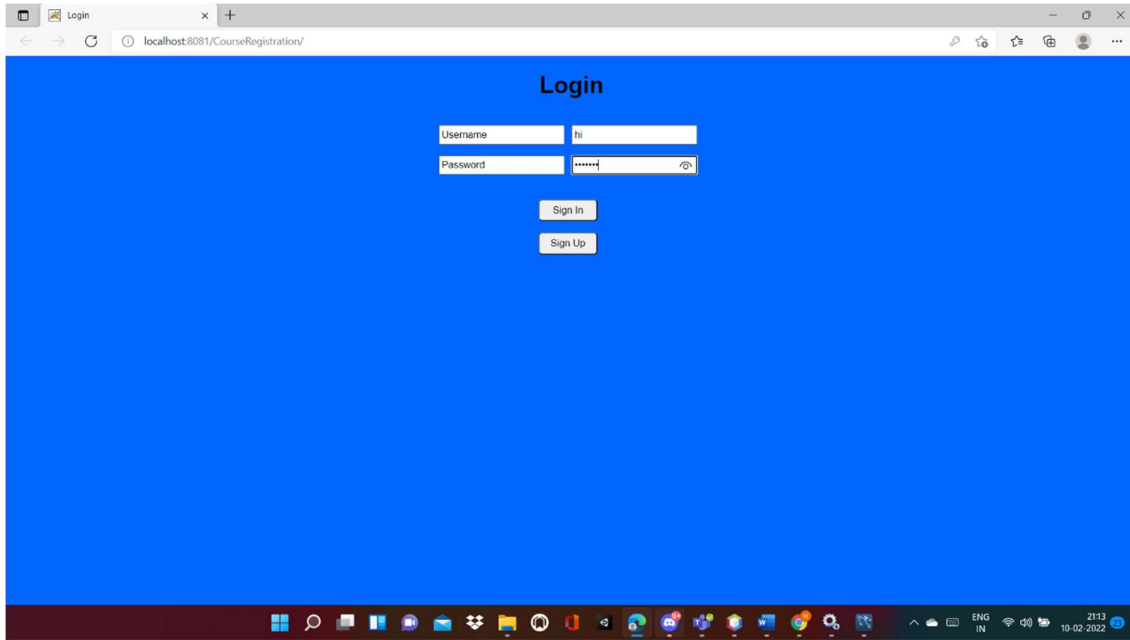
Tool used:

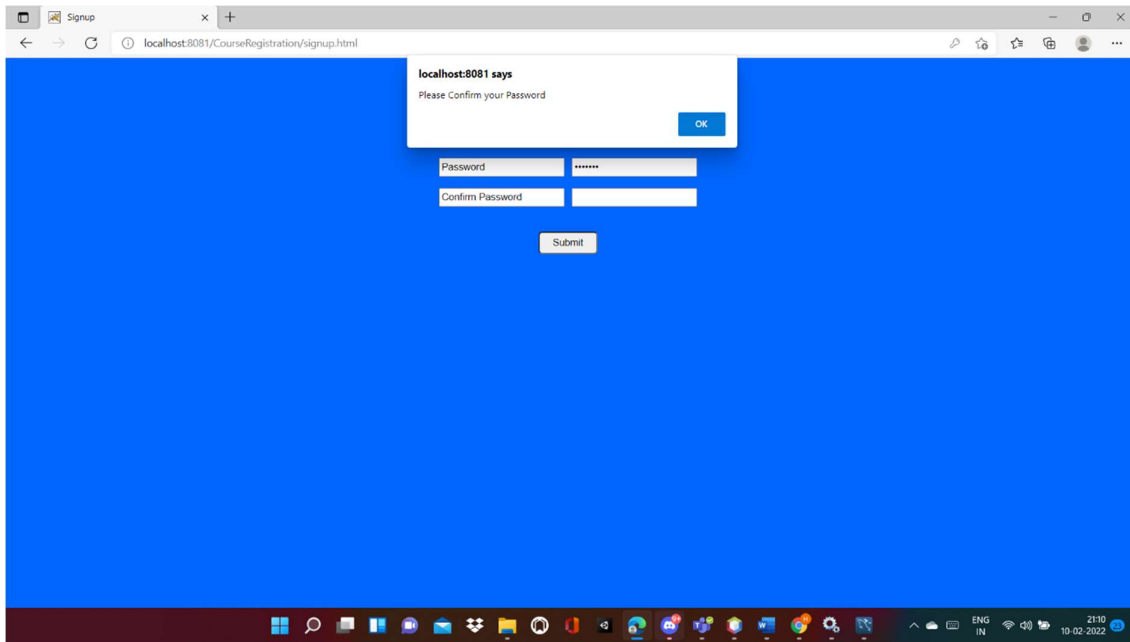
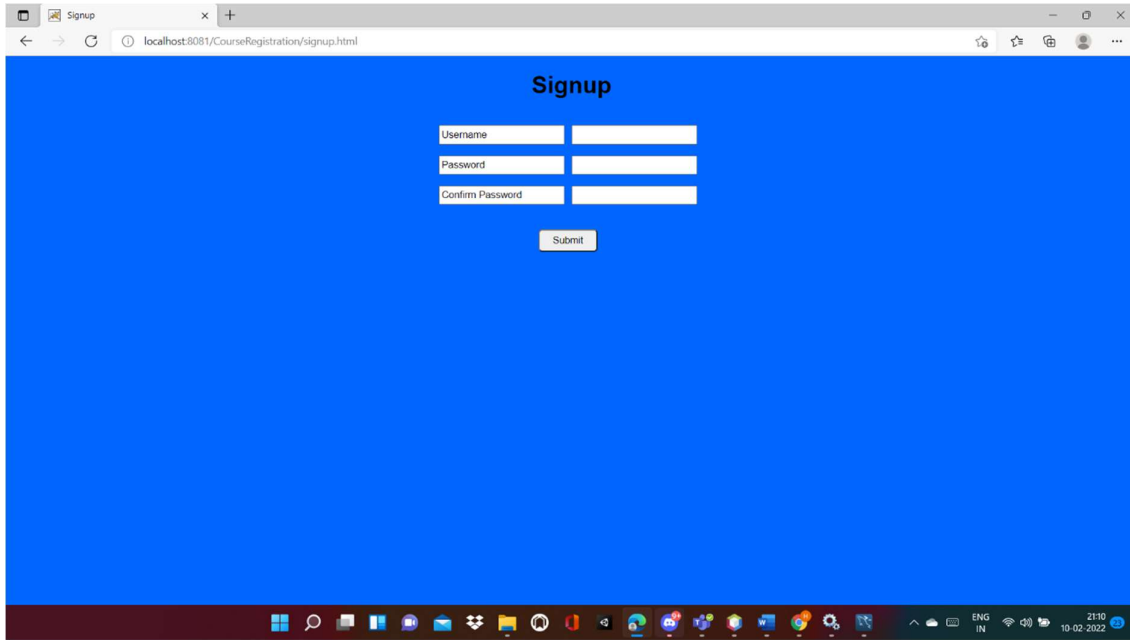
- Apache Tomcat
- NetBeans IDE
- Java JDK
- MySQL
- Java Servlets
- HTML
- CSS
- Javascript

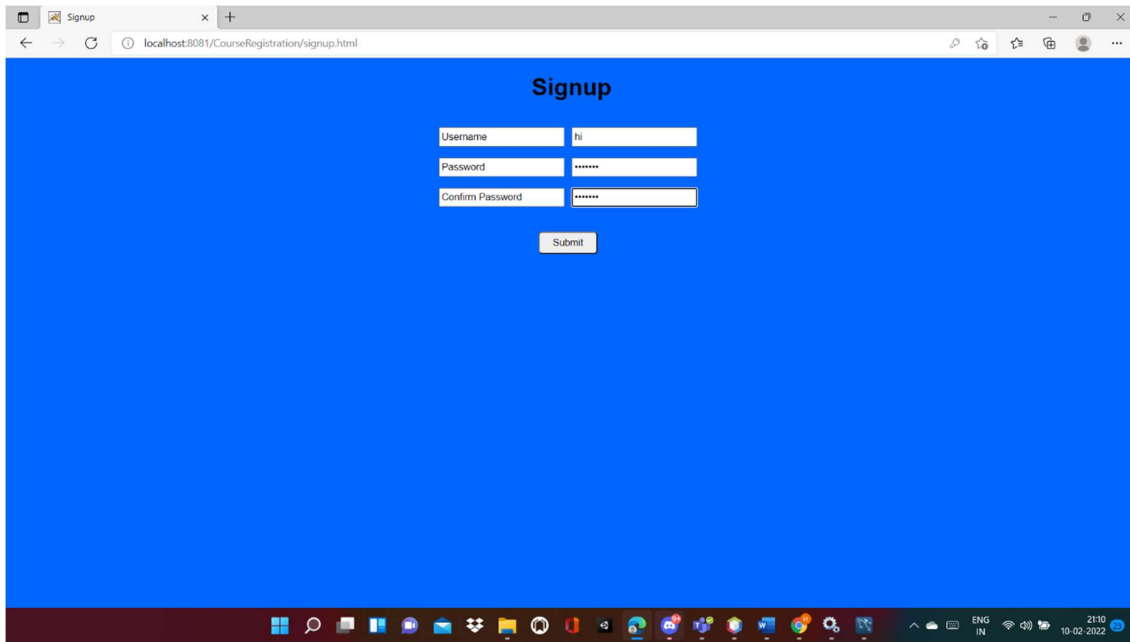
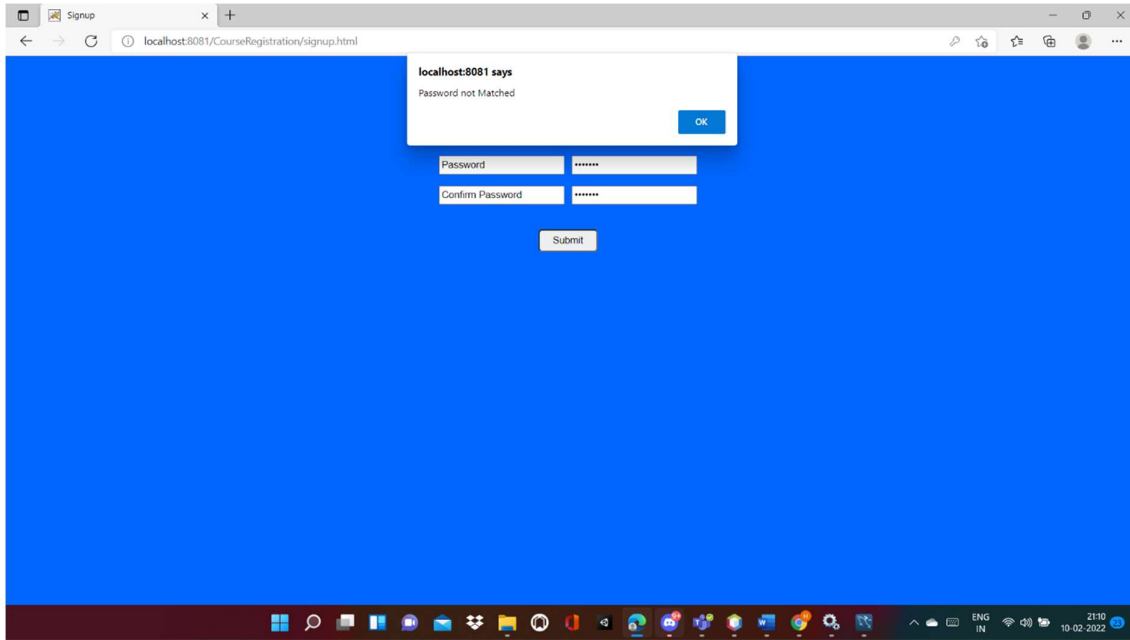
Code: <https://drive.google.com/drive/folders/1Doixazo6Z-Re0N-I5owkMBhh4qVl56tY?usp=sharing>

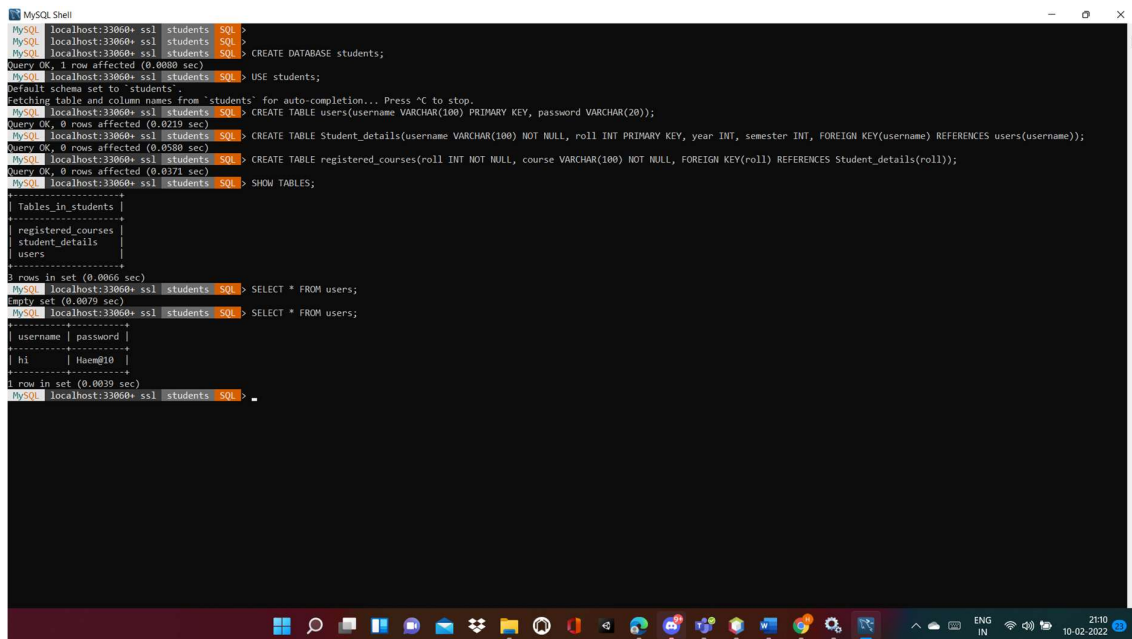
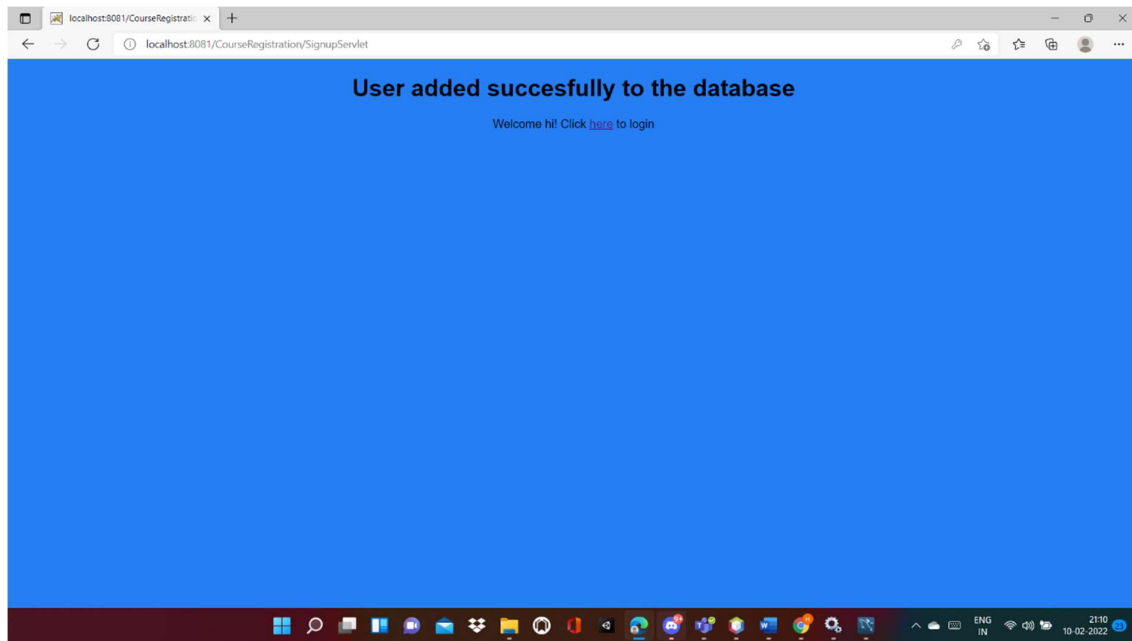
Screenshots of the Application:

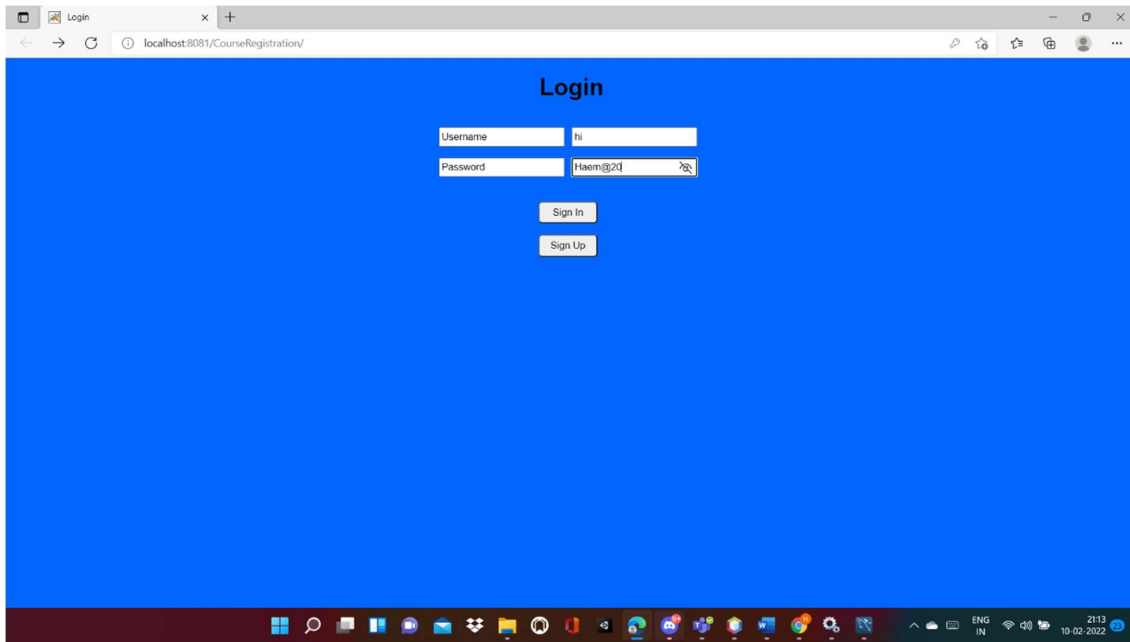
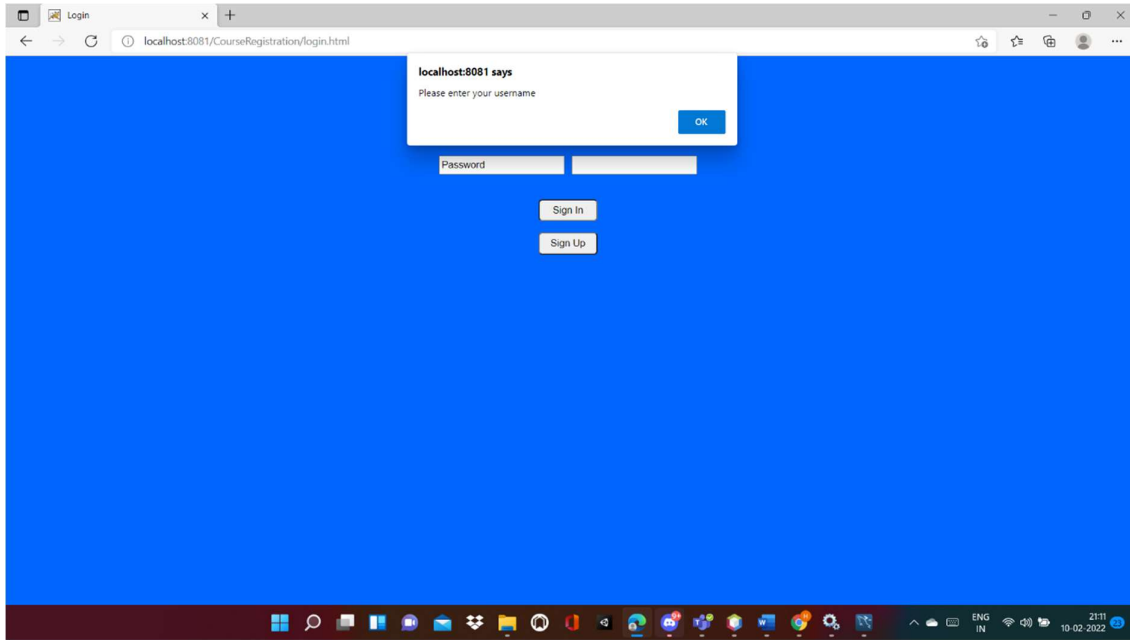


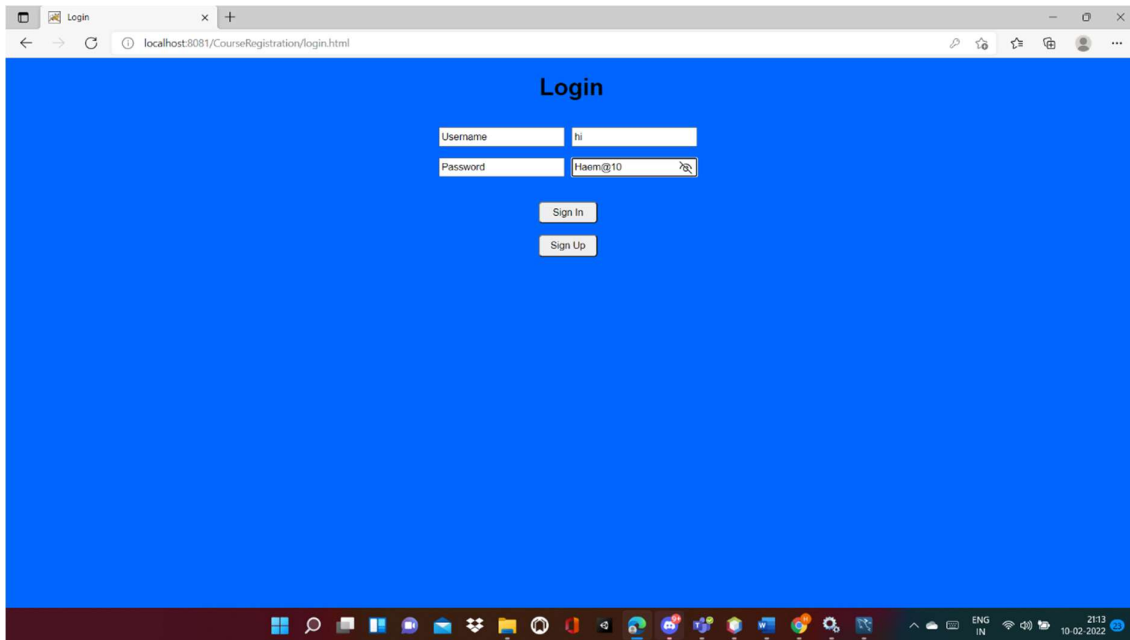
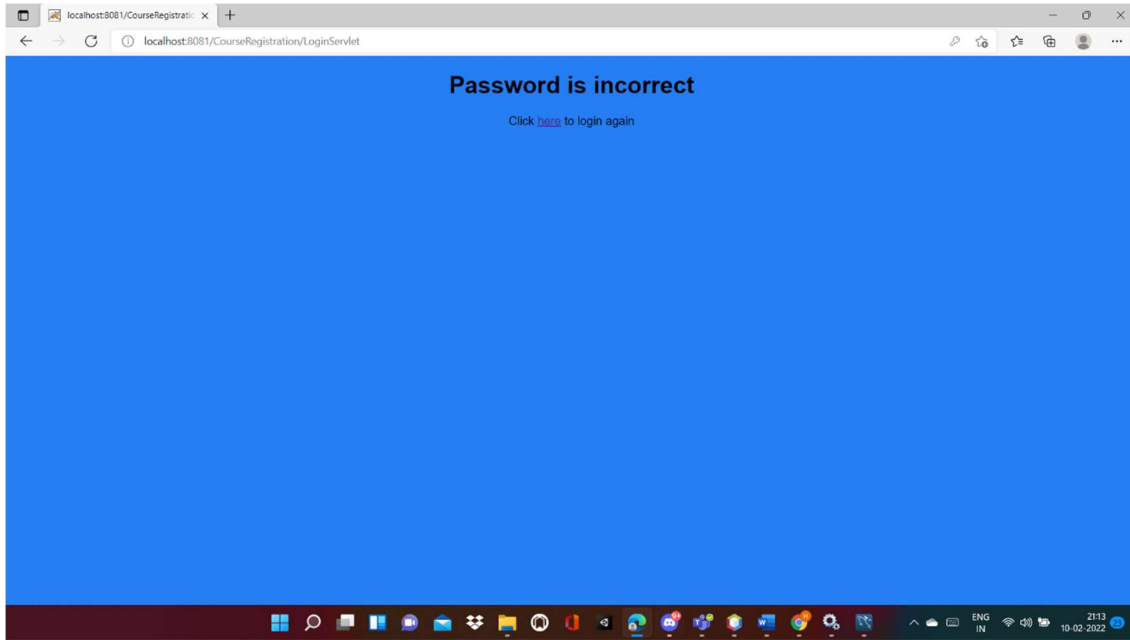


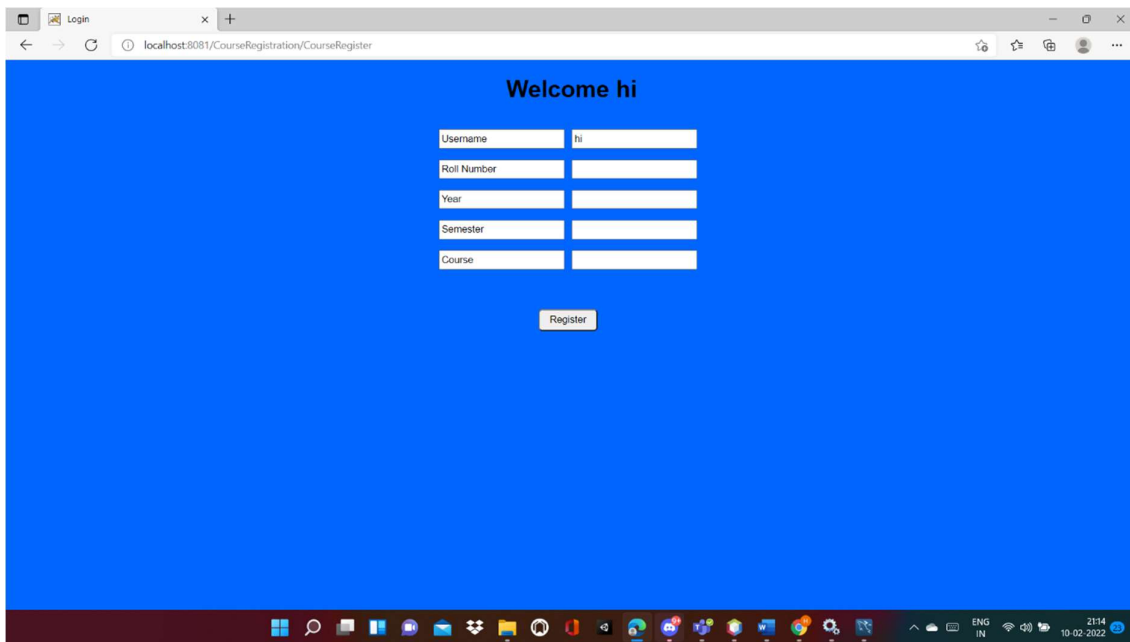
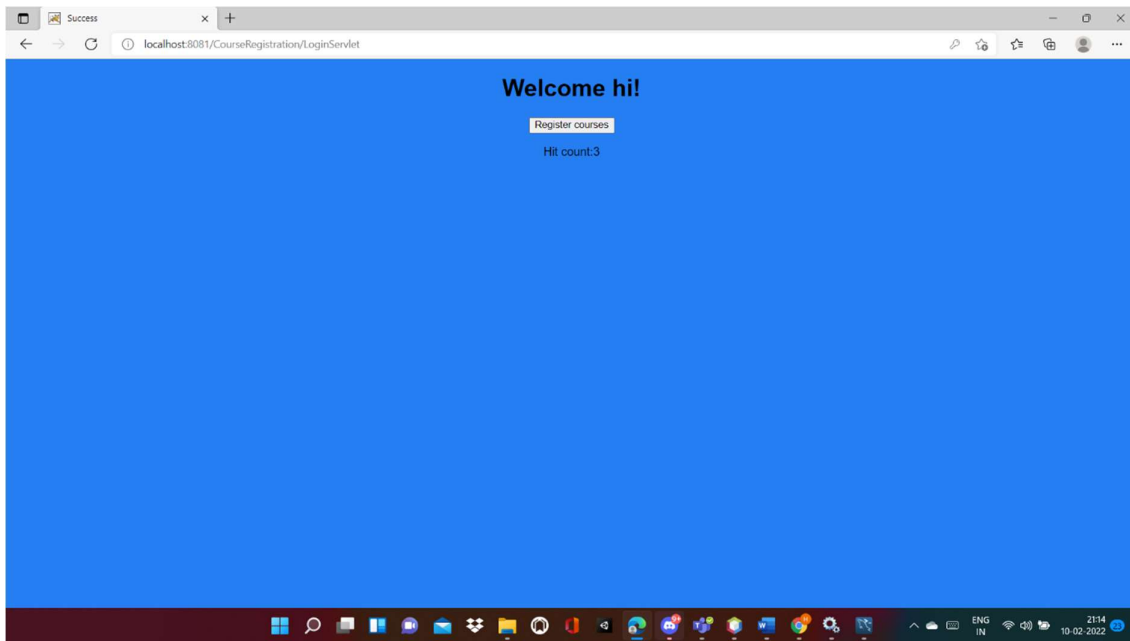












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MySQL Shell
3 rows in set (0.0066 sec)
mysql: localhost:33060+ ssl |students| SQL> SELECT * FROM users;
Empty set (0.0079 sec)
mysql: localhost:33060+ ssl |students| SQL> SELECT * FROM users;
+-----+
| username | password |
+-----+
| hi       | Hae@10   |
+-----+
1 row in set (0.0039 sec)
mysql: localhost:33060+ ssl |students| SQL> SELECT * FROM student_details;
Empty set (0.0150 sec)
mysql: localhost:33060+ ssl |students| SQL>
```

Login

localhost:8081/CourseRegistration/CourseRegister

localhost:8081 says
Please enter your roll number

OK

Roll Number

Year

Semester

Course

Register

