

**Problem statement:**

Create and save an XML document at the server, which contains 10 users Information. Write a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

- The registration should be done by XML.
- First should create a login page for the users.
- The user has name should contains only Alphabets and the Password must be of specific length and should contain alphabets, numbers, special characters.
- The user information should contain at least address, phone number and email.
- The user information should contain more than 10 users.
- The data set can be use of students.

Login page:

Username:

Password:

login

register

User information page:

Edit

User Id:

Roll no:

Name:

Father name:

Branch:

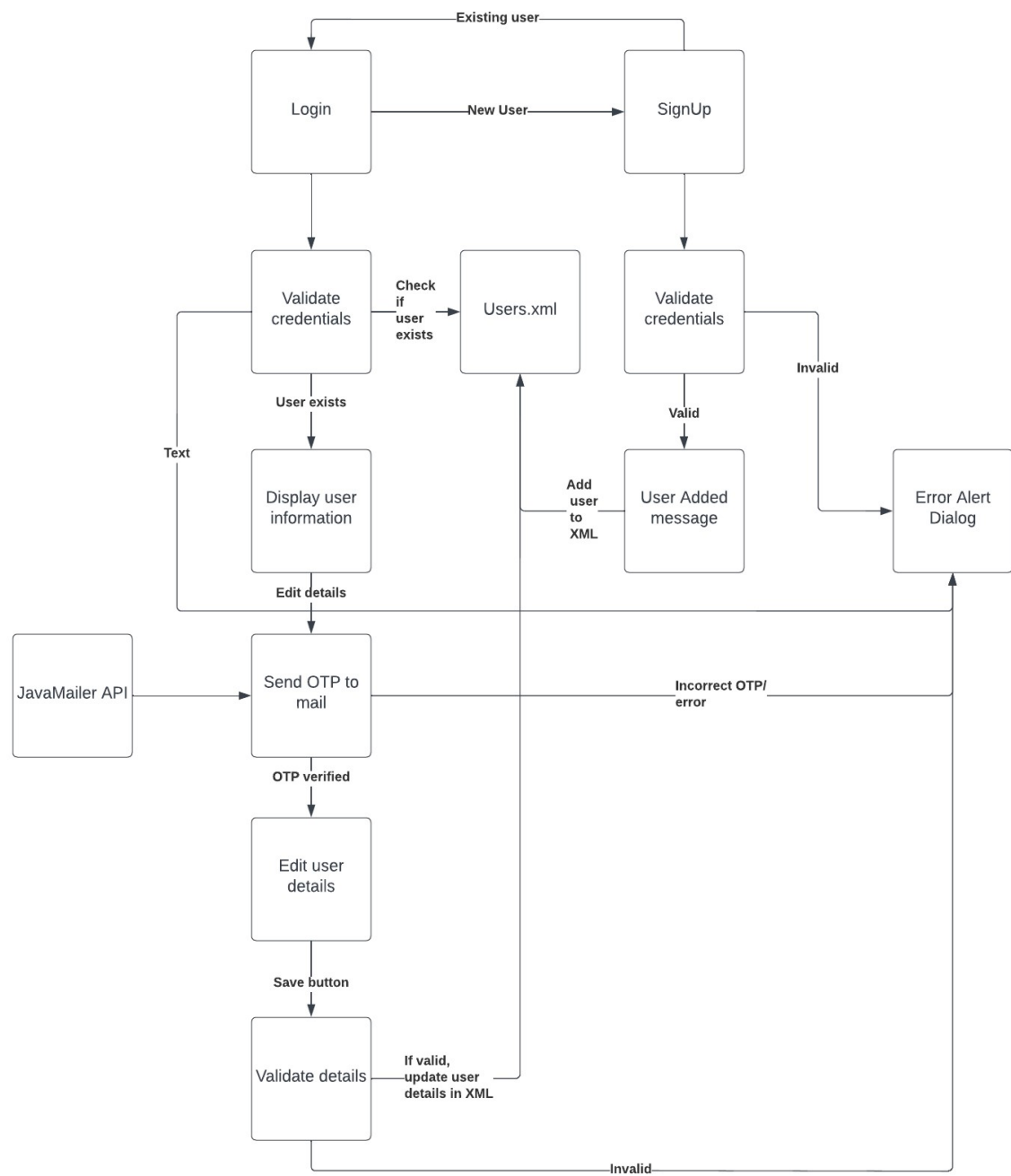
Year:

Email:

Address:

- If the user wants to edit, then valid the user by OTP. OTP generated using random number, it can send to mail or phone.

**Design: (Block diagram)**

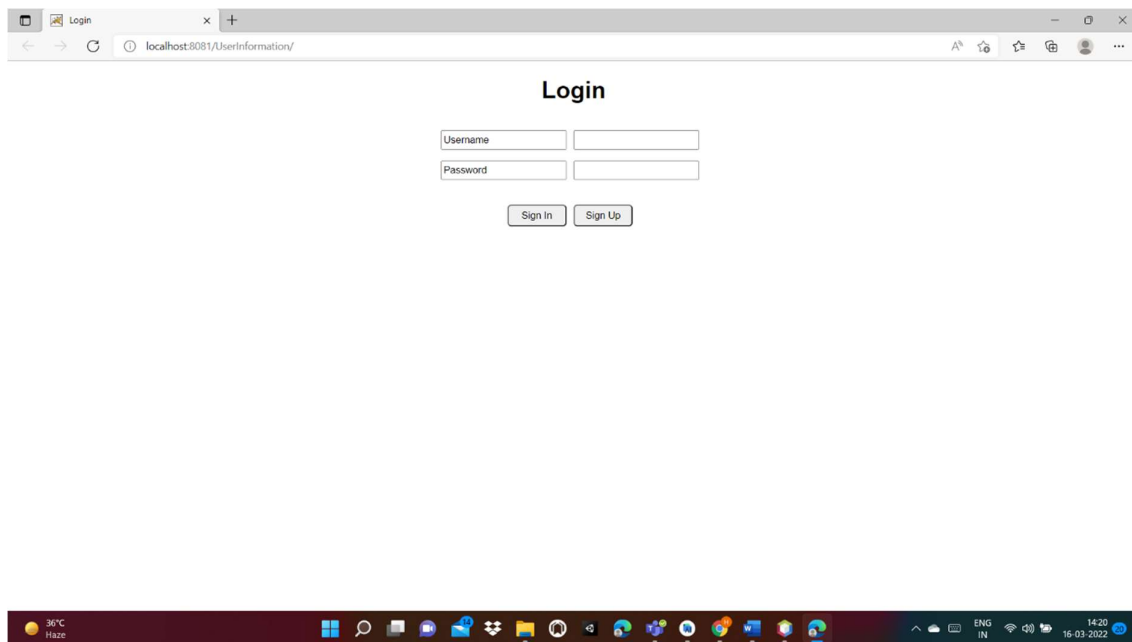


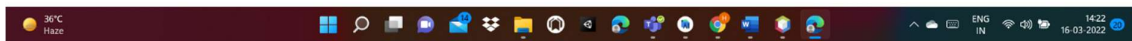
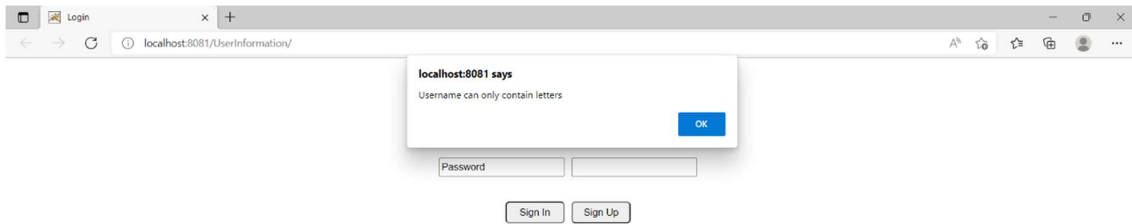
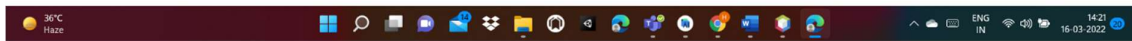
## Tool used:

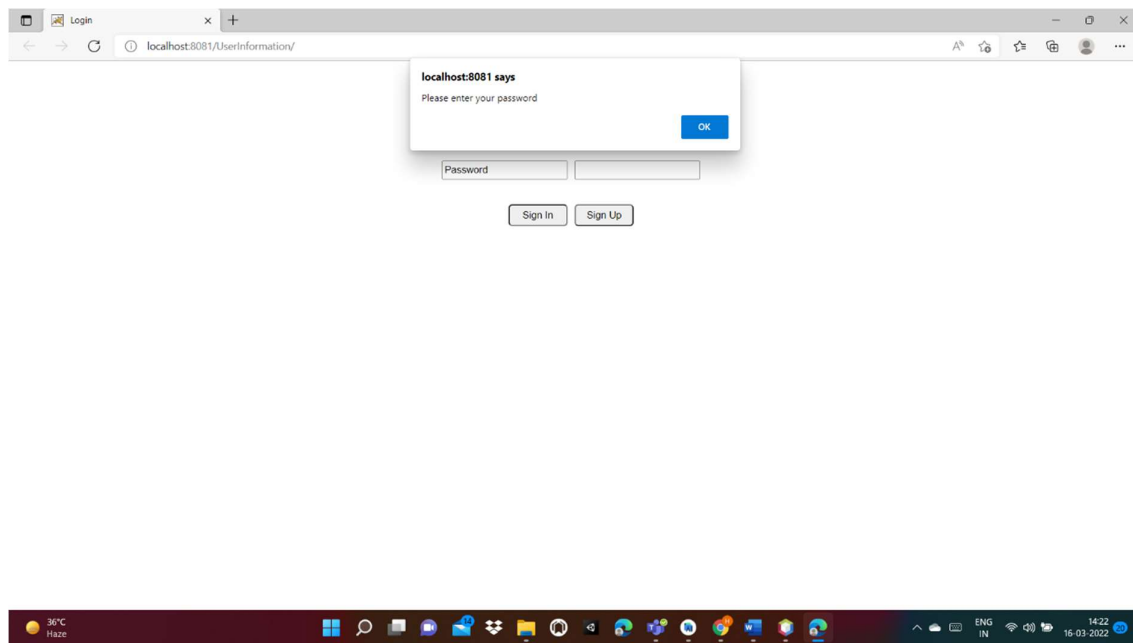
- Apache Tomcat
- NetBeans IDE
- Java JDK
- XML
- AJAX
- JSP
- Java Servlet
- Java DOM Parser
- JavaMail API
- HTML
- CSS
- Javascript

**Code:** <https://drive.google.com/drive/folders/13zaEwlM1chssaG3o6DIjMNvkgGRRD-iH?usp=sharing>

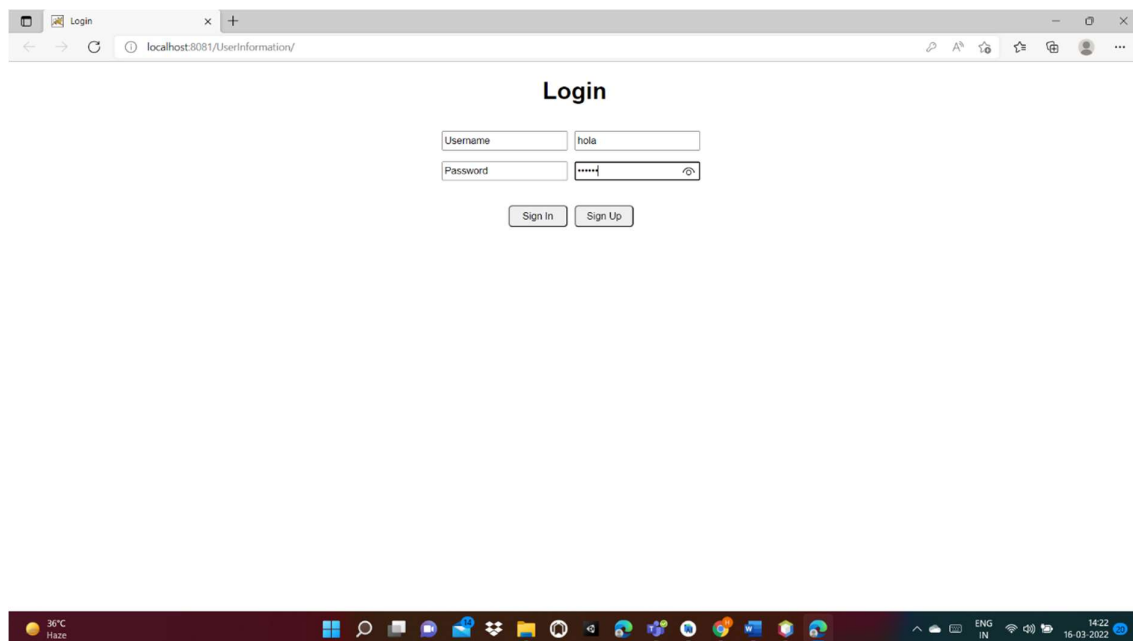
## Screenshots of the Output:

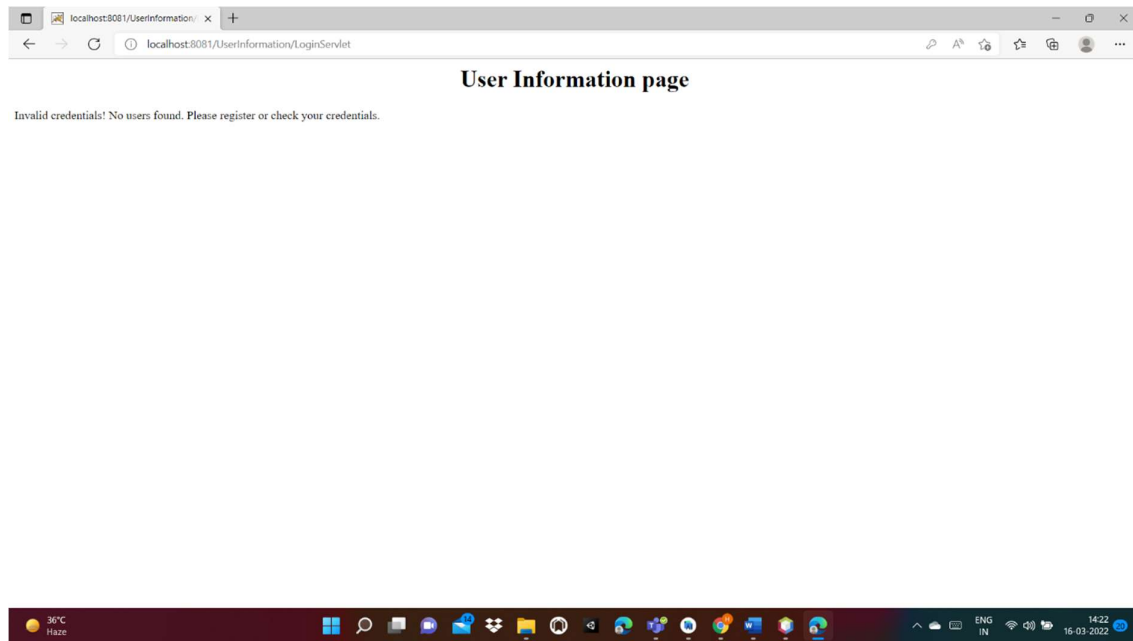




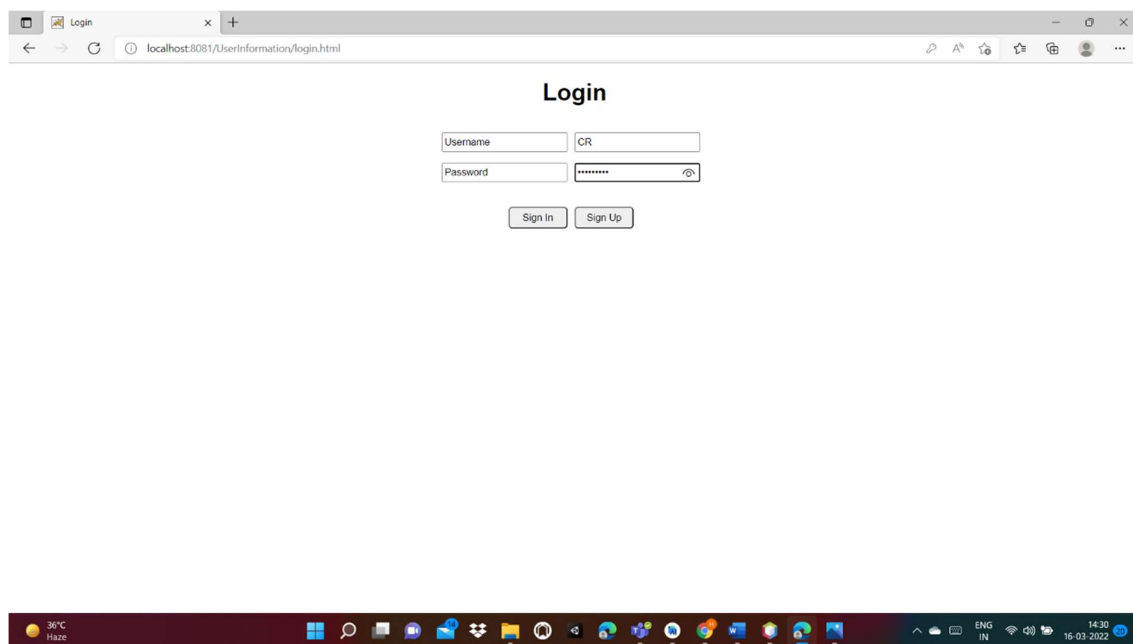


Logging in using invalid credentials:





Logging in with existing user:



localhost:8081/UserInformation/

localhost:8081/UserInformation/LoginServlet

## User Information page

User Id:

CR

Roll No:

108119039

Name:

Gokul P

Father's name:

Pandu

Branch:

CSE

Year:

3

Email:

gokulp@gmail.com

Phone:

9032145678

Address:

PQR, HIJ Street, Coimbatore

Edit

36°C

Haze

16-03-2022 14:30

UserInformation - Apache NetBeans IDE 12.6

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Start Page login.html NewUser.html LoginServlet.java AddUser.java UpdateUsers.jsp VerifyOTP.jsp EditServlet.java Users.xml

Source

251 <father\_name>Rajesh</father\_name>

252

253 <branch>ICE</branch>

254

255 <year>3</year>

256

257 <email>dharon@gmail.com</email>

258

259 <phone>7673450290</phone>

260

261 <address>ABC, HIJ Street, Coimbatore</address>

262

263 </User>

264

265

266

267 <!-- 10 -->

268

269

270 <User>

271 <username>CR</username>

272 <password>Gokul123</password>

273 <name>Gokul P</name>

274 <roll>108119039</roll>

275 <father\_name>Pandu</father\_name>

276 <branch>CSE</branch>

277 <year>3</year>

278 <email>gokulp@gmail.com</email>

279 <phone>9032145678</phone>

280 <address>PQR, HIJ Street, Coimbatore</address>

281

282 </User>

283

284

285

Output

279/34 38 Windows (CRUP)

36°C

Haze

16-03-2022 14:31

Logging in by creating a new user:

The screenshot displays a web browser window with the title 'New User'. The address bar indicates the URL is 'localhost:8081/UserInformation/NewUser.html'. The main content area contains a registration form with the following fields:

- User Id:
- Roll No:
- Name:
- Father's Name:
- Branch:
- Year:
- Email:
- Phone:
- Address:
- Password:
- Confirm Password:

At the bottom of the form, there are two buttons: 'Submit' and 'Clear'.

The screenshot shows a web browser window with the address bar displaying 'localhost:8081/UserInformation/NewUser.html'. A modal dialog box is open in the center of the browser, titled 'localhost:8081 says' and containing the text 'Please enter your username' with an 'OK' button. Below the dialog, the 'New User' registration form is visible, featuring input fields for 'Roll No.', 'Name', 'Father's Name', 'Branch', 'Year', 'Email', 'Phone', 'Address', 'Password', and 'Confirm Password'. At the bottom of the form are 'Submit' and 'Clear' buttons. The Windows taskbar at the bottom shows the system clock as 14:23 on 16-03-2022, along with weather information (30°C, Hazy) and various application icons.



New User x +

localhost:8081/UserInformation/NewUser.html

localhost:8081 says  
Enter your year

OK

Roll No: 106119083

Name: Nandhakishore

Father's Name: Rangansamy

Branch: CSE

Year:

Email:

Phone:

Address:

Password:

Confirm Password:

Submit Clear

36°C Haze 14:26 16-03-2022

New User x +

localhost:8081/UserInformation/NewUser.html

localhost:8081 says  
Please enter your password

OK

Roll No: 106119083

Name: Nandhakishore

Father's Name: Rangansamy

Branch: CSE

Year: 3

Email: kishore@gmail.com

Phone: 9876543290

Address: ABC, LJK Street, TN

Password:

Confirm Password:

Submit Clear

36°C Haze 14:26 16-03-2022

New User x +

localhost:8081/UserInformation/NewUser.html

localhost:8081 says  
Password must have atleast one upper case letter, lower case letter, special character and digit

Name: Nandhakishore

Father's Name: Rangansamy

Branch: CSE

Year: 3

Email: kishore@gmail.com

Phone: 9876543290

Address: ABC, IJK Street, TN

Password: ..

Confirm Password:

Submit Clear

36°C  
Haze

16-03-2022 14:26

New User x +

localhost:8081/UserInformation/NewUser.html

localhost:8081 says  
Password minimum length is 6

Roll No: 106119083

Name: Nandhakishore

Father's Name: Rangansamy

Branch: CSE

Year: 3

Email: kishore@gmail.com

Phone: 9876543290

Address: ABC, IJK Street, TN

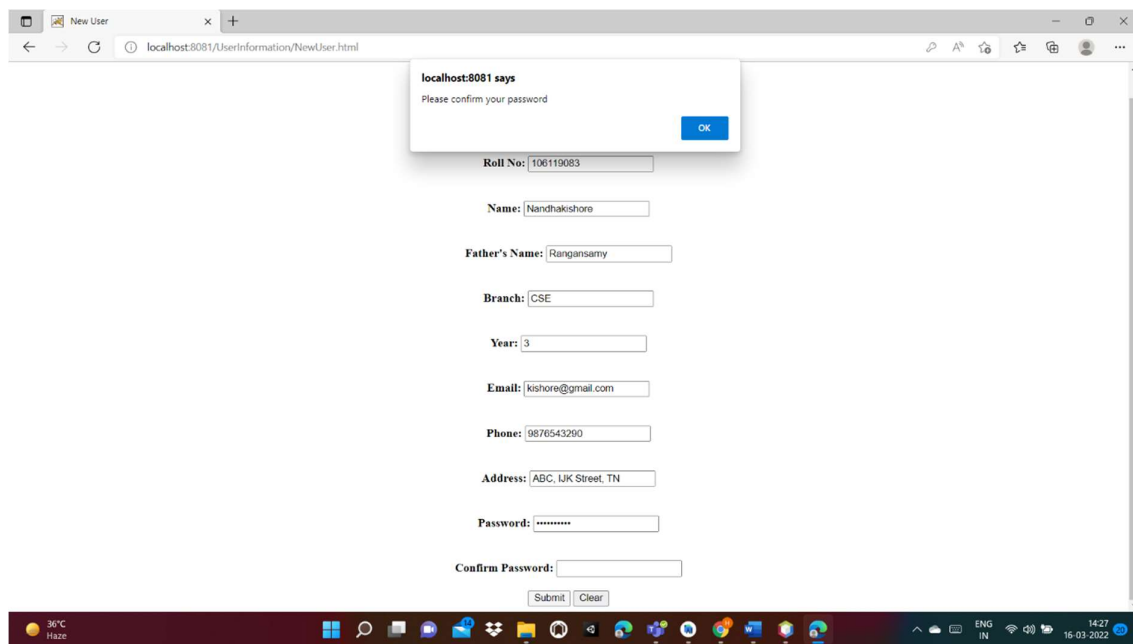
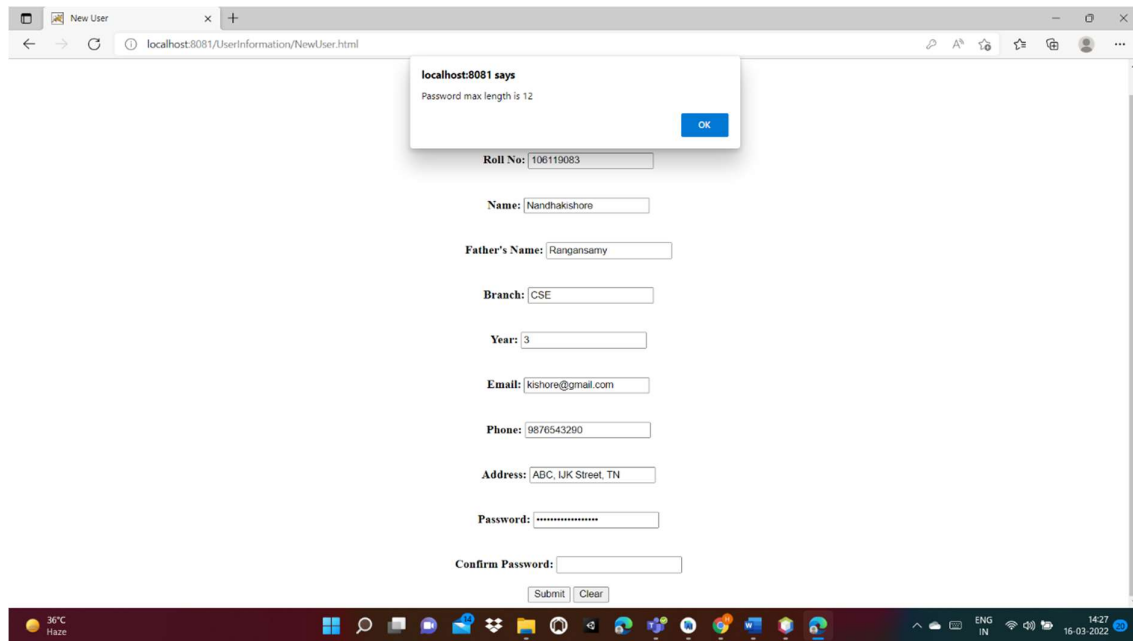
Password: .....

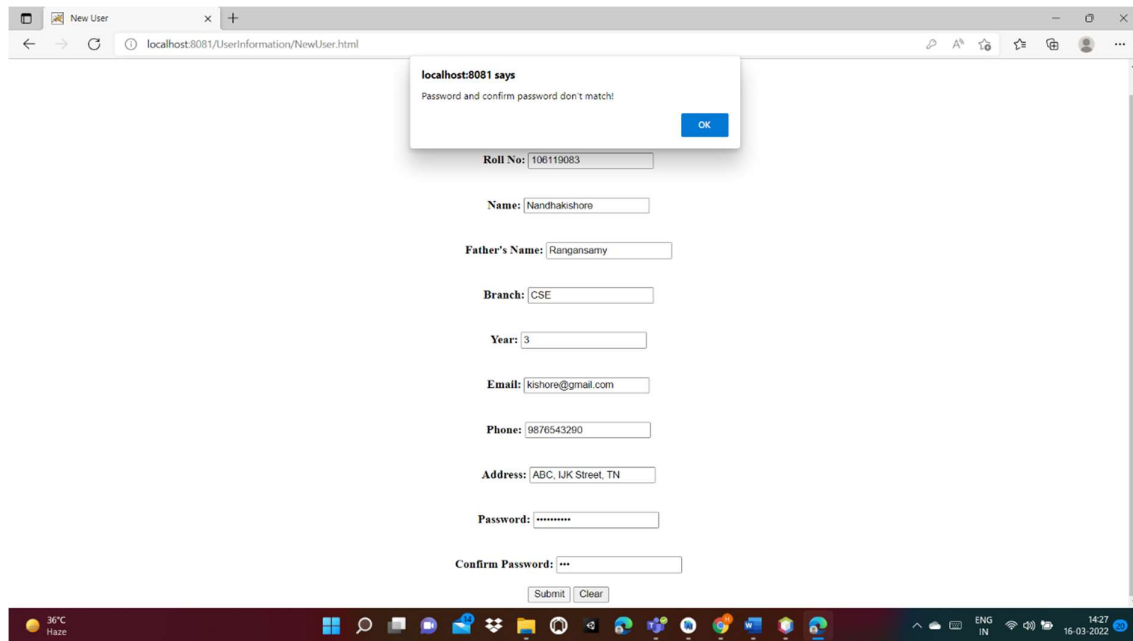
Confirm Password:

Submit Clear

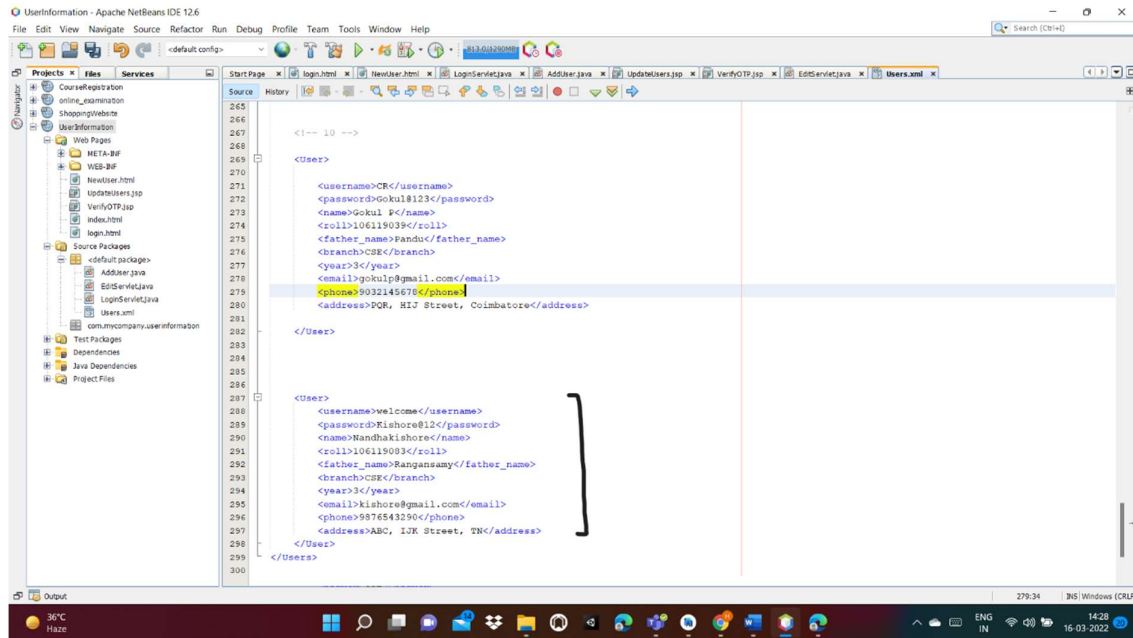
36°C  
Haze

16-03-2022 14:26





Modified XML file:



localhost:8081/UserInformation/ x +

localhost:8081/UserInformation/LoginServlet

### User Information page

User Id:

Roll No:

Name:

Father's name:

Branch:

Year:

Email:

Phone:

Address:

36°C Haze

14:35 16-03-2022

Edit details using OTP:

Login x +

localhost:8081/UserInformation/

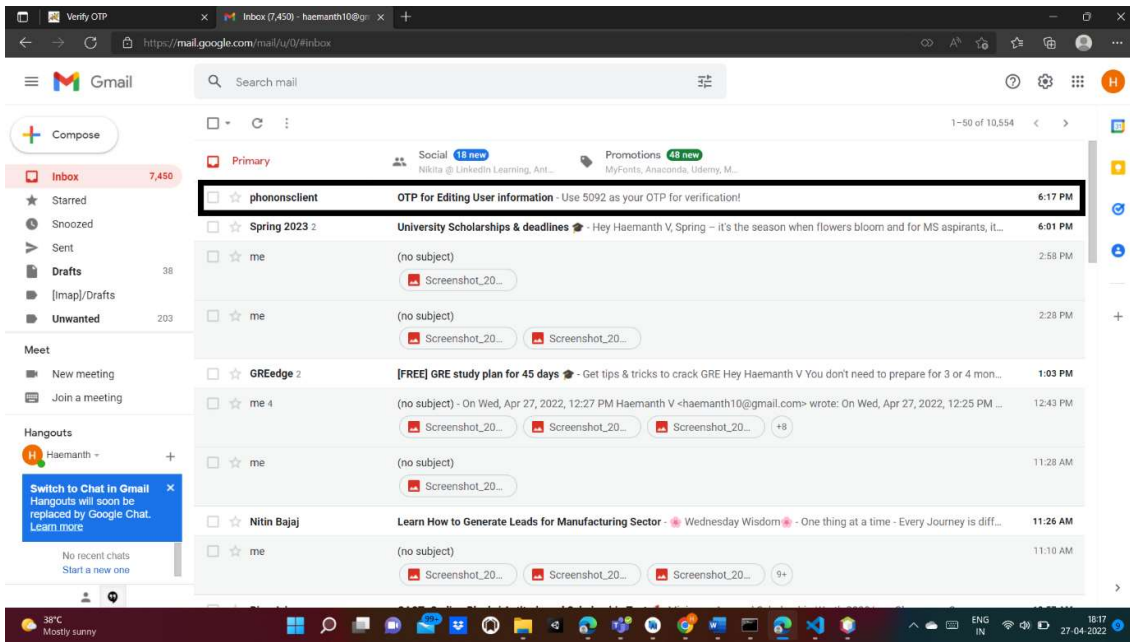
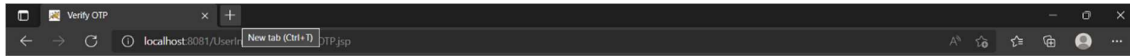
### Login

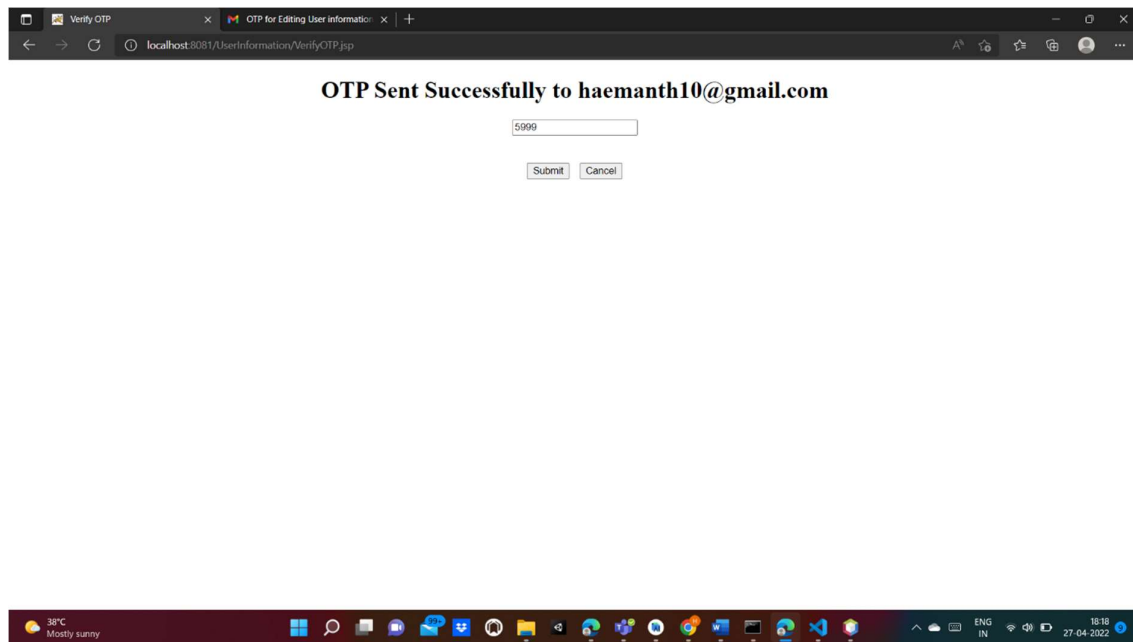
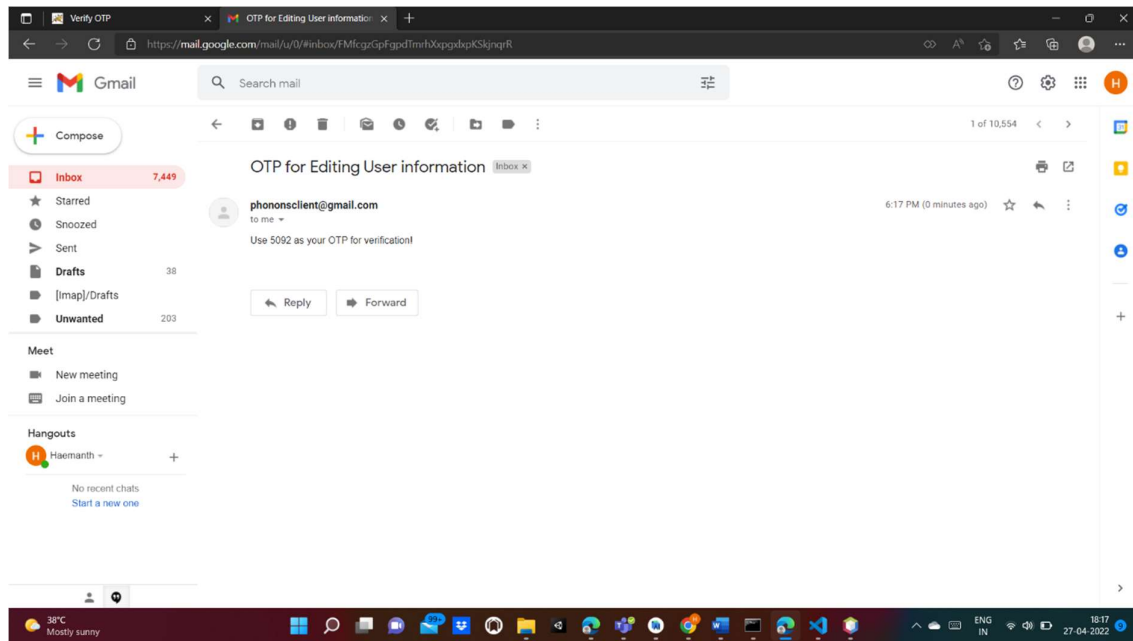
Username

Password

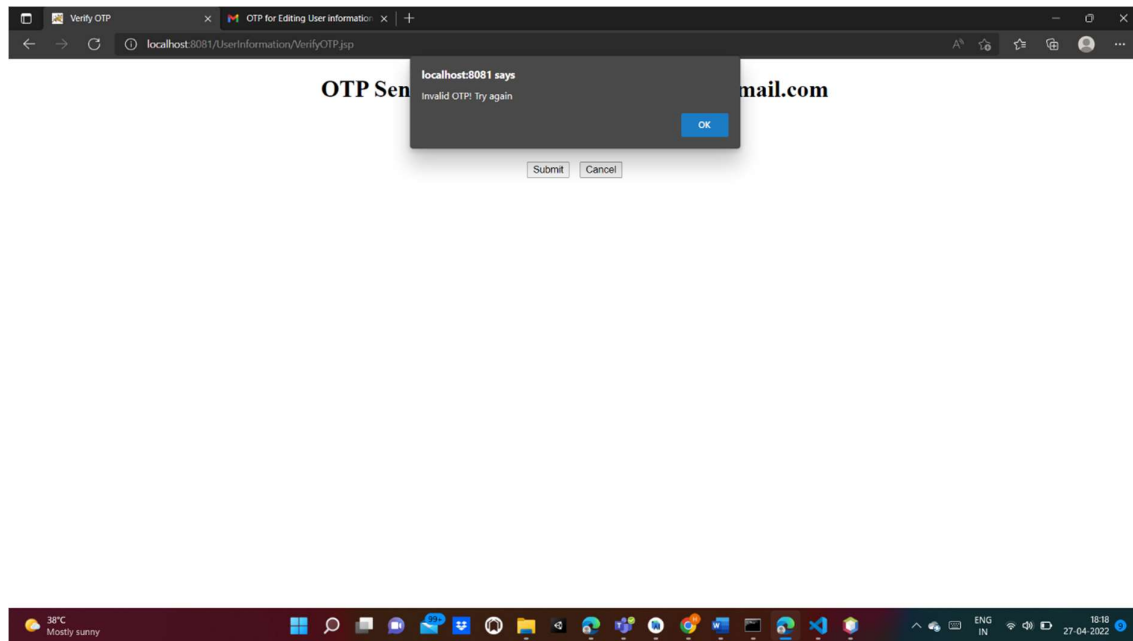
36°C Haze

14:36 16-03-2022

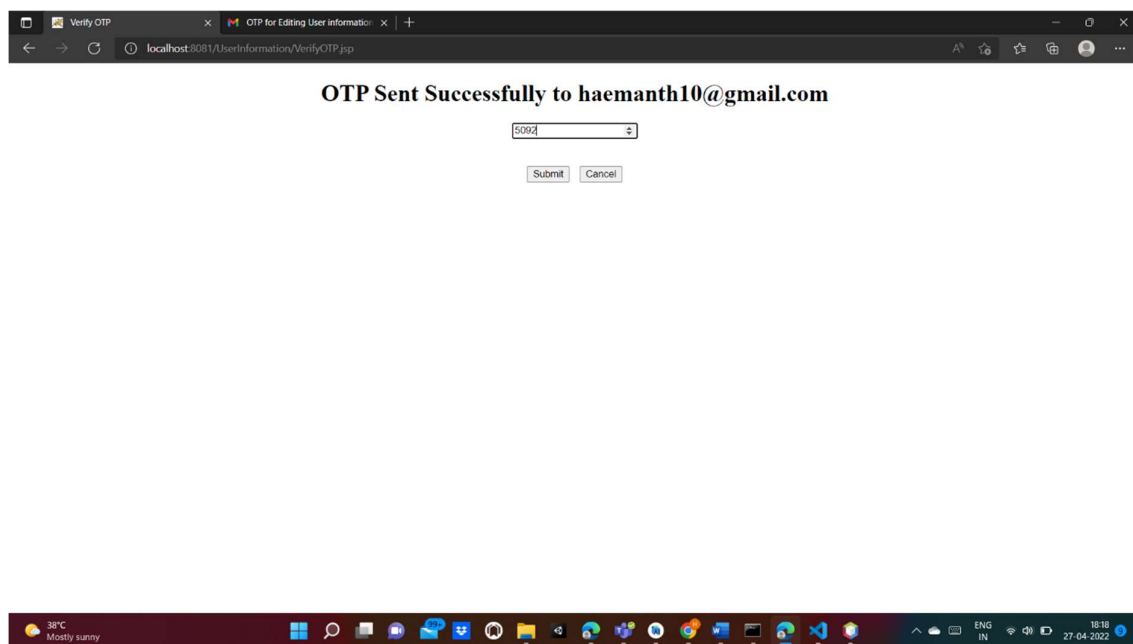








Entering correct OTP:



New User x OTP for Editing User Information: x +

localhost:8081/UserInformation/UpdateUsers.jsp?roll=106119043

## Edit User Information

User Id:

Roll No:

Name:

Father's Name:

Branch:

Year:

Email:

Phone:

Address:

Password:

Confirm Password:

38°C Mostly sunny 18:18 27-04-2022

New User x OTP for Editing User Information: x +

localhost:8081/UserInformation/UpdateUsers.jsp?roll=106119043

## Edit User Information

User Id:

Roll No:

Name:

Father's Name:

Branch:

Year:

Email:

Phone:

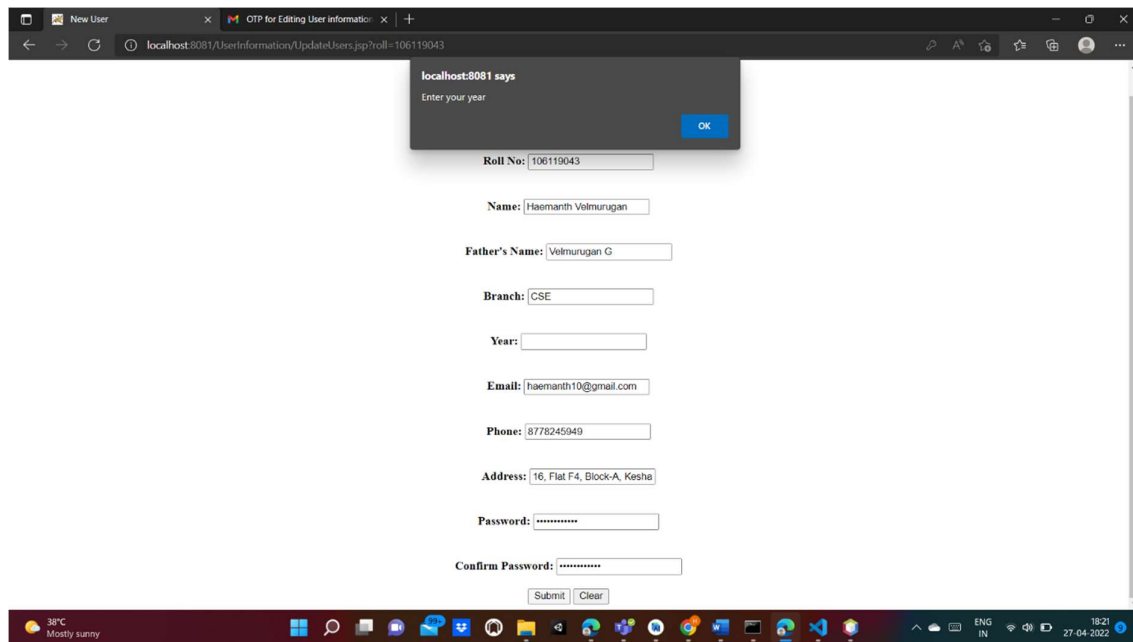
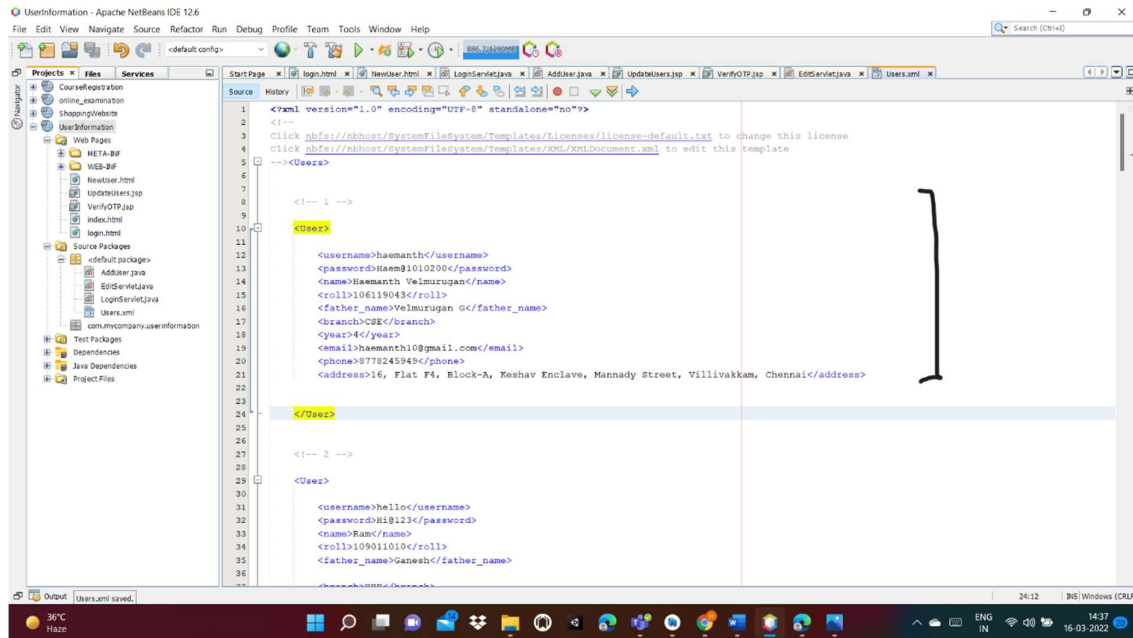
Address:

Password:

Confirm Password:

Submit Clear

38°C Mostly sunny 18:21 27-04-2022



localhost:8081 says  
Enter your year

OK

Roll No: 106119043

Name: Haemanth Velmurugan

Father's Name: Velmurugan G

Branch: CSE

Year:

Email: haemanth10@gmail.com

Phone: 8778245949

Address: 16, Flat F4, Block-A, Kesha

Password: .....

Confirm Password: .....

Submit Clear

localhost:8081 says  
Password must have atleast one upper case letter, lower case letter, special character and digit

OK

Name: Haemanth V

Father's Name: Velmurugan G

Branch: CSE

Year: 3

Email: haemanth10@gmail.com

Phone: 8778245949

Address: 16, Flat F4, Block-A, Kesha

Password: ....

Confirm Password: .....

Submit Clear

localhost:8081 says  
Password and confirm password don't match!

OK

Roll No: 106119043

Name: Haemanth V

Father's Name: Velmurugan G

Branch: CSE

Year: 3

Email: haemanth10@gmail.com

Phone: 8778245949

Address: 16, Flat F4, Block-A, Kesha

Password: .....

Confirm Password: .....

Submit Clear

Edit User Information

User Id: haemanth

Roll No: 106119043

Name: Haemanth V

Father's Name: Velmurugan G

Branch: CSE

Year: 3

Email: haemanth10@gmail.com

Phone: 8778245949

Address: 16, Flat F4, Block-A, Kesha

Password: .....

Confirm Password: .....

Submit Clear

