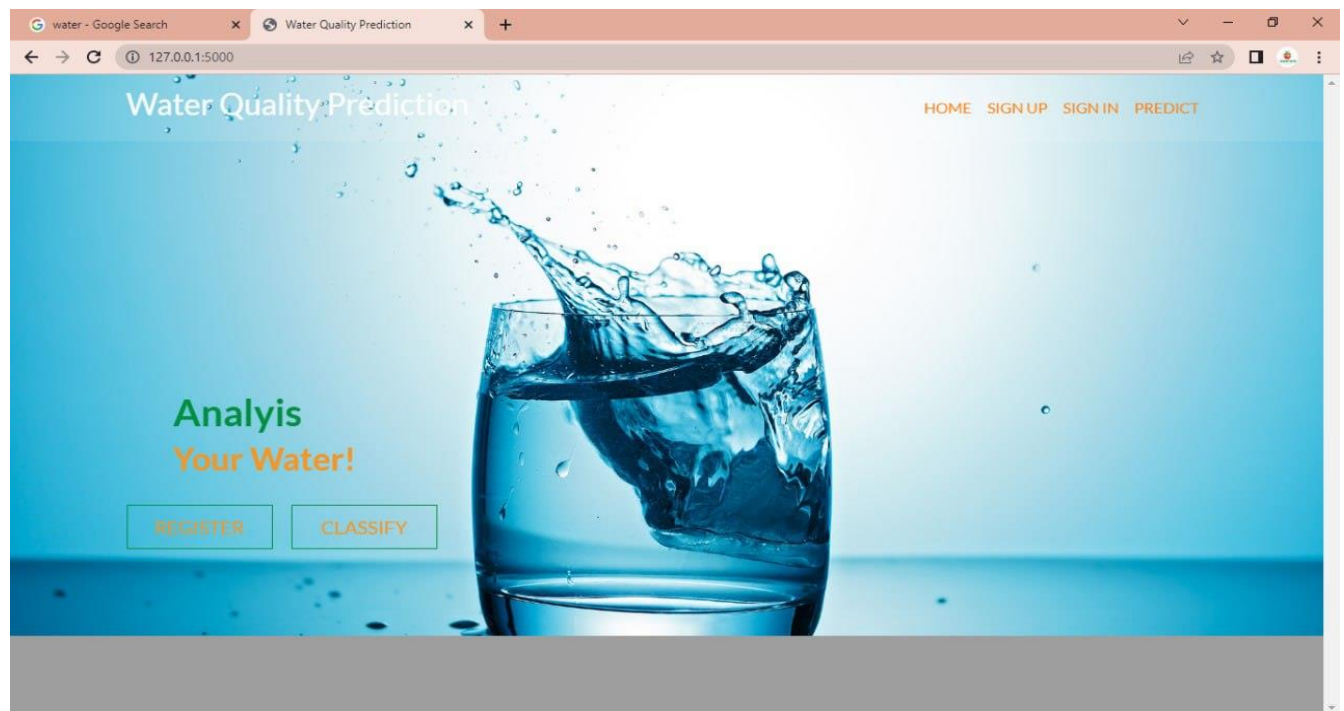


Date	18 November 2022
TeamID	PNT2022TMID49459
ProjectName	Efficient Water Quality Analysis and Prediction Using Machine Learning
MaximumMarks	8Marks

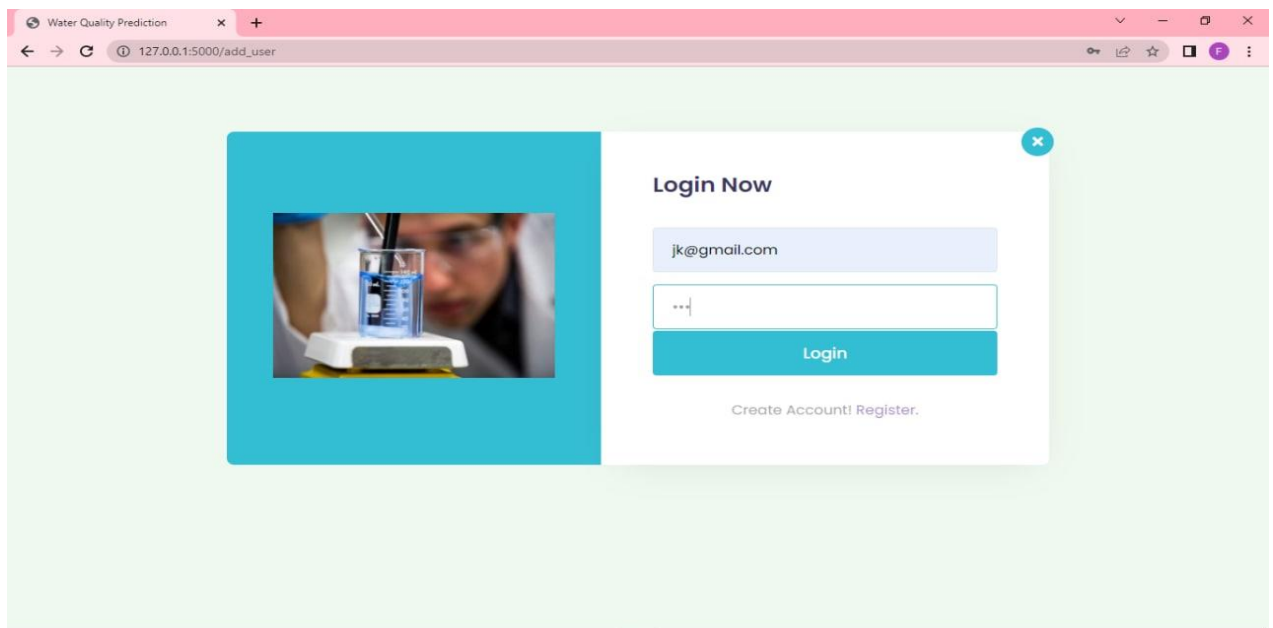
SPRINT-4

TEST CASES

HOME:



LOGIN:



The screenshot shows a web browser window with the title "Water Quality Prediction" and the URL "127.0.0.1:5000/add_user". The page features a light green background. On the left, there is a blue square containing a photograph of a person in a lab coat using a pipette to add liquid to a beaker on a scale. On the right, a white modal box titled "Login Now" is displayed. It contains a text input field with "jk@gmail.com", a password input field with three asterisks, and a blue "Login" button. Below the button, there is a link that says "Create Account! Register.".

Water Quality Prediction

127.0.0.1:5000/add_user

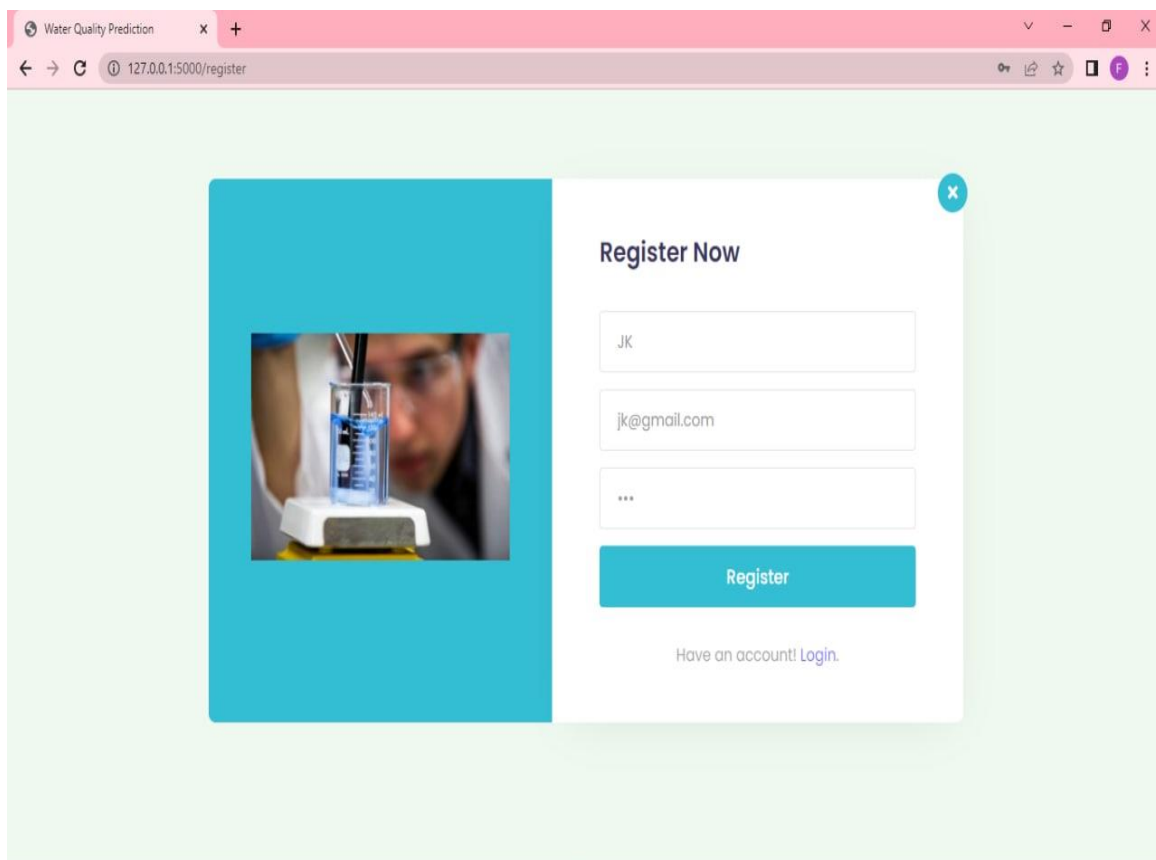
Login Now

jk@gmail.com

Login

Create Account! Register.

REGISTER:



The screenshot shows a web browser window with the title "Water Quality Prediction" and the URL "127.0.0.1:5000/register". The page features a light green background. On the left, there is a blue square containing a photograph of a person in a lab coat using a pipette to add liquid to a beaker on a scale. On the right, a white modal box titled "Register Now" is displayed. It contains three text input fields: the first with "JK", the second with "jk@gmail.com", and the third with three asterisks. Below these fields is a blue "Register" button. At the bottom of the modal, there is a link that says "Have an account! Login.".

Water Quality Prediction

127.0.0.1:5000/register

Register Now

JK

jk@gmail.com

Register

Have an account! Login.

WATER QUALITY CHECKING:

The screenshot shows a web browser window with the title "Water Quality Prediction" and the URL "127.0.0.1:5000/login_validation". The page has a blue header with the title "Water Quality Prediction". Below the header, the text "Let's Find the potability of the water" is displayed. The form contains 15 input fields, each with a label and a placeholder "Enter value". The labels are: pH, Hardness, Solids, Chloramines, Sulfate, Conductivity, Organic_carbon, Trihalomethanes, Turbidity, nph, nHardness, wph, wHardness, wSolids, and wqi. A "Predict" button is located at the bottom of the form.

Water Quality Prediction

Let's Find the potability of the water

pH: Enter value

Hardness: Enter value

Solids: Enter value

Chloramines: Enter value

Sulfate: Enter value

Conductivity: Enter value

Organic_carbon: Enter value

Trihalomethanes: Enter value

Turbidity: Enter value

nph: Enter value

nHardness: Enter value

wph: Enter value

wHardness: Enter value

wSolids: Enter value

wqi: Enter value

Predict

GIVING VALUES:

The screenshot shows the same web browser window as the previous one, but now the input fields are filled with numerical values. The values are: pH: 8.989900, Hardness: 0.580511, Solids: 0, Chloramines: 6.297312, Sulfate: 312.931021, Conductivity: 390.410231, Organic_carbon: 9.899115, Trihalomethanes: 55.069304, Turbidity: 4.613843, nph: 40, nHardness: 0, wph: 6.6, wHardness: 0.0, wSolids: 0.0, and wqi: 6.6. The "Predict" button is still visible at the bottom of the form.

Water Quality Prediction

Let's Find the potability of the water

pH: 8.989900

Hardness: 0.580511

Solids: 0

Chloramines: 6.297312

Sulfate: 312.931021

Conductivity: 390.410231

Organic_carbon: 9.899115

Trihalomethanes: 55.069304

Turbidity: 4.613843

nph: 40

nHardness: 0

wph: 6.6

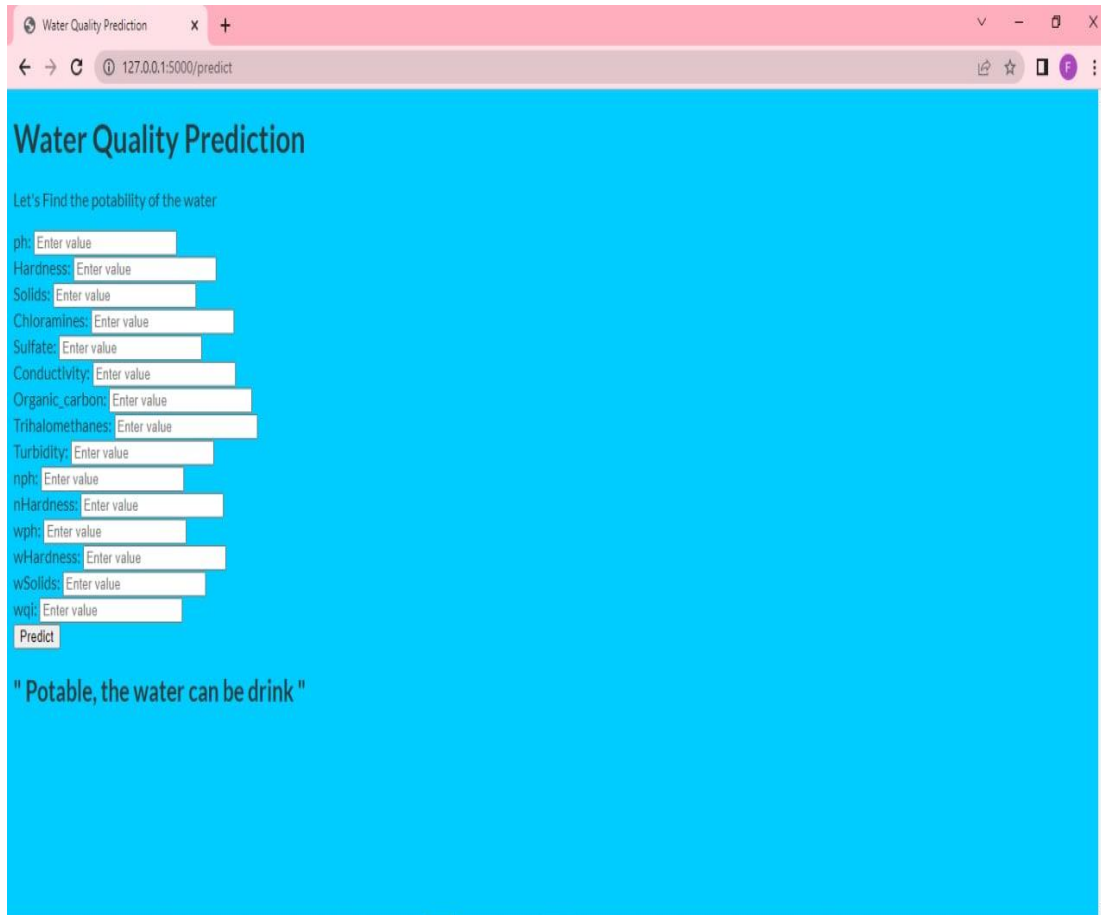
wHardness: 0.0

wSolids: 0.0

wqi: 6.6

Predict

RESULT:



Water Quality Prediction

Let's Find the potability of the water

ph:

Hardness:

Solids:

Chloramines:

Sulfate:

Conductivity:

Organic_carbon:

Trihalomethanes:

Turbidity:

nph:

nHardness:

wph:

wHardness:

wSolids:

wqi:

" Potable, the water can be drink "