

Assignment no. 2  
CMPE 280

AJAX\_and\_RegistrationPage\_with\_CAPTCHA

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## Assignment Objectives-

1. HTML5 – Registration Page, Password Progress Bar
2. CSS3 – Neat and clean user interface
3. Node.js – Backend server to handle connection to MongoDB database and REST APIs
4. Mongo DB – Database to store information of registered users  
Connect to MongoDB using a driver via the standard MongoDB URI:  
mongodb://akshay:akshay@ds011379.mlab.com:11379/saveusers
5. AJAX – to make requests to the Node.js server and upload user data into database

## Screenshots of Assignment-

- Signup page-

**Sign Up**

The screenshot shows a 'Sign Up' form with the following fields and labels:


- Username :** A text input field with the placeholder text 'Username'.
- Password :** A text input field with a blue eye icon for toggling visibility. The placeholder text is 'Password'.
- Confirm Password :** A text input field with the placeholder text 'Confirm Password'.
- Email**: A text input field with the placeholder text 'example@domain.com'.
- Confirm Email**: A text input field with the placeholder text 'example@domain.com'.
- Security Question 1**: A text input field with the placeholder text 'Sum of 2 + 3'.
- Security Answer 1**: A text input field with the placeholder text 'Security Answer'.
- Security Question 2**: A text input field with the placeholder text 'Sum of 2 + 3'.
- Security Answer 2**: A text input field with the placeholder text 'Security Answer'.
- Mobile phone**: A label for the final field, which is partially visible at the bottom of the form.

- Password strengths-
- Low strength:



## Sign Up

**Username :**  
Akshay

**Password :**   
\*\*

**Confirm Password :**  
Confirm Password

**Email**  
example@domain.com

**Confirm Email**  
example@domain.com

**Security Question 1**  
Sum of 2 + 3

**Security Answer 1**  
Security Answer

**Security Question 2**  
Sum of 2 + 3


**Security Answer 2**

- Medium Strength



## Sign Up

**Username :**  
Akshay

**Password :**   
\*\*\*\*\*

**Confirm Password :**  
Confirm Password

**Email**  
example@domain.com

**Confirm Email**  
example@domain.com

**Security Question 1**  
Sum of 2 + 3

**Security Answer 1**  
Security Answer

**Security Question 2**  
Sum of 2 + 3

**Security Answer 2**

- Strong Password

Registration Page x akshay

localhost:3000

## Sign Up

**Username :**

**Password :** ⓘ

Password Matched  
**Confirm Password :**

**Email**

**Confirm Email**

**Security Question 1**

**Security Answer 1**

**Security Question 2**

- Email & Password not matched

Registration Page x akshay

localhost:3000

## Sign Up

**Username :**

**Password :** ⓘ

Wrong Password! Please try again.  
**Confirm Password :**

**Email**

**Confirm Email**

Wrong Email Entered! Please try again.

**Security Question 1**

**Security Answer 1**

**Security Question 2**

- Email matched

Registration Page x akshay

localhost:3000

## Sign Up

**Username :**

**Password :**

**Password Matched**  
**Confirm Password :**

**Email**

**Confirm Email**

**Email Address Matched**

**Security Question 1**

**Security Answer 1**

**Security Question 2**

- Mobile number validation

Registration Page x akshay

localhost:3000

**Confirm Email**

**Wrong Email Entered! Please try again.**

**Security Question 1**

**Security Answer 1**

**Security Question 2**

**Security Answer 2**

**Mobile phone**  
 **Wrong Type Entered! Please try again.**

**Address :**

**Areas of Interest :**

Registration Page x akshay

localhost:3000

Confirm Email

akshay@gmail.co

Wrong Email Entered! Please try again.

Security Question 1

Sum of 2 + 3

Security Answer 1

5

Security Question 2

23 X 100

Security Answer 2

2300

Mobile phone

123123123 Please enter 10 digit number

Address :

Areas of Interest :

- CAPTCHA validation

Registration Page x akshay

localhost:3000

Security Answer 2

2300

Mobile phone

1231231231

Address :

San Jose

Areas of Interest :

Computers

Drop images into the drop box:

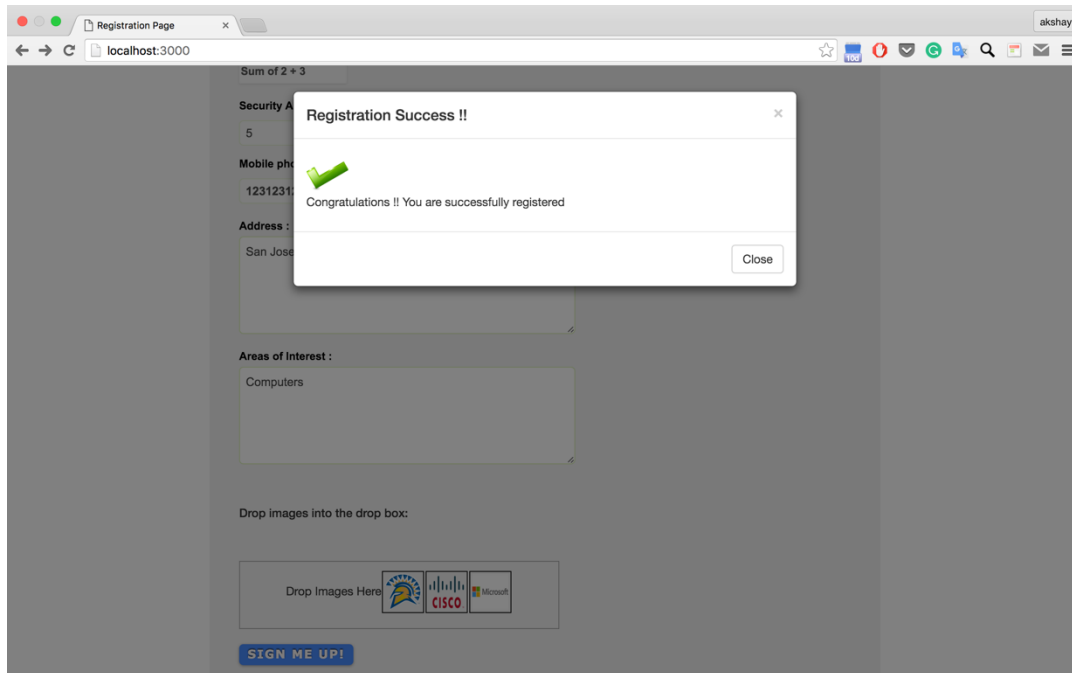
CISCO Microsoft

Drop Images Here

**SIGN ME UP!** Drop all images into the box

Form submission available only after dragging all images into the drop box.

- **Successful Submission**



- **Successful insertion into MongoDB database-**

