

SCENARIO-1

Student Course Registration Form

Scenario

A training institute wants a **Student Course Registration Form** for new admissions.

Requirements

1. **Student Name** – alphabets & space only, min 3 chars (Regex)
2. **Student Email** – valid email format (Regex)
3. **Roll Number** – format **STU-1234** (Regex)
4. **Mobile Number** – 10-digit Indian number (Regex)
5. **Date of Birth** – **DD-MM-YYYY** format (Regex)
6. **Gender** – radio (mandatory)
7. **Courses** – checkbox (at least one)
8. **Course Mode** – dropdown (mandatory)

The screenshot shows a web-based form editor and preview interface. On the left, the HTML code for the form is displayed:

```
<input type="text" id="dob" placeholder="DD-MM-YYYY">
<div id="dobErr" class="error"></div><br>

Gender:
<input type="radio" name="gender"> Male
<input type="radio" name="gender"> Female
<div id="genderErr" class="error"></div><br>

Courses:
<input type="checkbox" class="course"> Java
<input type="checkbox" class="course"> Python
<div id="courseErr" class="error"></div><br>

Course Mode:
<select id="mode">
    <option value="">Select</option>
    <option>Online</option>
    <option>Offline</option>
</select>
<div id="modeErr" class="error"></div><br>

<button type="submit">Submit</button>

</form>
```

The right side shows the rendered "Student Course Registration" form:

Student Course Registration

Name:

Email:

Roll No:

Mobile:

DOB:

Gender: Male Female

Courses: Java Python

Course Mode: Select

Result Size: 492 x 530 Get your own website

Python - Syntax - W3Schools

PYTHON

Up next Python - Variable

CONTINUE

CHANGE

REMOVE ADS

Activate Windows
Go to Settings to activate Windows.

SCENARIO-2

Bank Account Opening Form

Scenario

A bank is developing an **online account opening form**.

Requirements

1. **Full Name** – alphabets & space only (Regex)
2. **Email ID** – valid email (Regex)
3. **PAN Number** – format **ABCDE1234F** (Regex)
4. **Aadhaar Number** – 12 digits only (Regex)
5. **Mobile Number** – Indian format (Regex)
6. **Account Type** – radio (Savings / Current)
7. **Services Required** – checkbox (at least one)
8. **Branch** – dropdown (mandatory)

The screenshot displays a web-based application for "Bank Account Opening Form". On the left, the HTML code for the form is visible, showing inputs for account type (radio buttons for Savings and Current), services required (checkboxes for ATM, Net Banking, Cheque Book), and branch (dropdown menu with options: Select, Hyderabad, Bangalore, Chennai). Error messages are included for mobile number, account type, and branch. On the right, the visual representation of the form is shown with input fields for Full Name, Email ID, PAN Number, Aadhaar Number, and Mobile Number. It also includes radio buttons for Account Type and checkboxes for Services Required. A dropdown menu for Branch is present. A sidebar on the right contains Python-related content, including a video thumbnail for "Python Variable Names" and buttons for "Up next", "CONTINUE", and "CHANGE".

SCENARIO-3

Employee Leave Application Form

Scenario

An organization wants an **Employee Leave Request Form**.

Requirements

1. **Employee Name** – alphabets only (Regex)
2. **Employee ID** – format **EMP-1001** (Regex)
3. **Official Email** – valid email (Regex)
4. **From Date** – **DD-MM-YYYY** (Regex)
5. **To Date** – **DD-MM-YYYY** (Regex)
6. **Leave Type** – radio (CL / SL / PL)
7. **Reason** – textarea (min 10 chars)
8. **Manager Approval** – checkbox (mandatory)

The screenshot shows a web-based form builder interface. On the left, the HTML code for the form is displayed:

```
YYYY">
<div id="fromErr" class="error"></div><br>
To Date:
<input type="text" id="to" placeholder="DD-MM-
YYYY">
<div id="toErr" class="error"></div><br>
Leave Type:
<input type="radio" name="leave"> CL
<input type="radio" name="leave"> SL
<input type="radio" name="leave"> PL
<div id="leaveErr" class="error"></div><br>
Reason:
<textarea id="reason"></textarea>
<div id="reasonErr" class="error"></div><br>
<input type="checkbox" id="approval"> Manager
Approval
<div id="approvalErr" class="error"></div><br>
<button type="submit">Submit Request</button>
</form>
</body>
</html>
```

On the right, the generated form is previewed under the heading "Employee Leave Application Form". The form fields include:

- Employee Name: [Text input]
- Employee ID: [Text input]
- Official Email: [Text input]
- From Date: [Text input] (with placeholder "DD-MM-YYYY")
- To Date: [Text input] (with placeholder "DD-MM-YYYY")
- Leave Type: [Radio buttons] (CL, SL, PL)
- Reason: [Text area]
- Manager Approval: [Checkbox]
- Submit Request: [Submit button]

The interface also includes a sidebar with Python-related links and advertisements.

SCENARIO-4

Online Shopping Checkout Form

Scenario

An e-commerce website needs a **Checkout & Delivery Form**.

Requirements

1. **Customer Name** – alphabets & space only (Regex)
2. **Email** – valid format (Regex)
3. **Mobile Number** – Indian format (Regex)
4. **PIN Code** – 6 digits (Regex)
5. **Address** – textarea (min 10 chars)
6. **Payment Mode** – radio (Card / UPI / COD)
7. **Delivery Slot** – dropdown
8. **Terms Acceptance** – checkbox (mandatory)

⚠ Rules

- PIN code validation using regex
- Error messages below each field

The screenshot shows a Python code editor interface on the left and a browser preview on the right. The code editor displays the following HTML and Python code:

```
<textarea id="address"></textarea>
<div id="addressErr" class="error"></div><br>

Payment Mode:
<input type="radio" name="payment"> Card
<input type="radio" name="payment"> UPI
<input type="radio" name="payment"> COD
<div id="paymentErr" class="error"></div><br>

Delivery Slot:
<select id="slot">
    <option value="">Select</option>
    <option>Morning</option>
    <option>Afternoon</option>
    <option>Evening</option>
</select>
<div id="slotErr" class="error"></div><br>

<input type="checkbox" id="terms"> I accept Terms &
Conditions
<div id="termsErr" class="error"></div><br>

<button type="submit">Place Order</button>

</form>
</body>
</html>
```

The browser preview shows the "Online Shopping Checkout Form" with the following fields and controls:

- Customer Name: [Input field]
- Email: [Input field]
- Mobile Number: [Input field]
- PIN Code: [Input field]
- Address: [Text area]
- Payment Mode: Radio buttons for Card, UPI, and COD
- Delivery Slot: A dropdown menu labeled "Select".
- A checkbox labeled "I accept Terms & Conditions".
- A "Place Order" button.

On the right side of the browser preview, there is a sidebar with Python-related links and advertisements.

SCENARIO-5

Job Application Form

Scenario

A company is accepting applications through an **Online Job Application Form**.

Requirements

1. **Applicant Name** – alphabets & space only (Regex)
2. **Email ID** – valid email (Regex)
3. **Password** – 1 uppercase, 1 digit, min 6 chars (Regex)
4. **Mobile Number** – Indian format (Regex)
5. **Experience** – numeric only (Regex)
6. **Job Role** – dropdown
7. **Skills** – checkbox (at least one)
8. **Preferred Location** – multi-select list

⚠ Rules

- Password must use **lookahead regex**
- Separate validation methods

The screenshot displays a web-based job application form. On the left, the HTML code for the form is shown:

```
<select id="role">
    <option value="">Select</option>
    <option>Software Engineer</option>
    <option>Data Analyst</option>
    <option>Tester</option>
</select>
<div id="roleErr" class="error"></div><br>

Skills:
<input type="checkbox" class="skill"> Java
<input type="checkbox" class="skill"> Python
<input type="checkbox" class="skill"> SQL
<div id="skillErr" class="error"></div><br>

Preferred Location:
<select id="location" multiple>
    <option>Bangalore</option>
    <option>Hyderabad</option>
    <option>Chennai</option>
</select>
<div id="locErr" class="error"></div><br>

<button type="submit">Apply</button>

</form>
</body>
</html>
```

The right side shows the "Online Job Application Form" with the following fields and controls:

- Applicant Name: [Text input field]
- Email ID: [Text input field]
- Password: [Text input field]
- Mobile Number: [Text input field]
- Experience (Years): [Text input field]
- Job Role: [Dropdown menu] (Currently set to "Select")
- Skills: [Checkboxes] (Java, Python, SQL) – All three are unchecked.
- Preferred Location: [Multi-select dropdown menu]
 - Bangalore
 - Hyderabad
 - Chennai
- Buttons: [Apply] (disabled), [Prepinsta], [REMOVE ADS]

A sidebar on the right shows a "Python - Syntax - W3Schools" tutorial snippet.