

Forms are essential for collecting user input. HTML5 offers powerful elements and attributes to simplify and enhance forms.

## 🌟 HTML5 Form Elements

Here are common elements for building forms:

1. **<input>**: For single-line inputs (e.g., text, email).

```
<input type="text" name="username" placeholder="Enter your name">
```

2. **<textarea>**: For multi-line text input.

```
<textarea name="comments" rows="4" cols="50" placeholder="Write your comments here"></textarea>
```

3. **<button>**: For actions like submit or reset.

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

4. **<select> & <option>**: Dropdown menus.

```
<select name="country">
  <option value="us">United States</option>
  <option value="uk">United Kingdom</option>
</select>
```

5. **<label>**: Links text to form controls for accessibility.

```
<label for="email">Email:</label>
<input type="email" id="email" name="email">
```

## 🌀 Vibe Coding Session + AI Assist

*"Design smart forms using your logic and AI's structure support."*

### 🔧 AI Tools + Prompts:

Tool	Use Case	Sample Prompts
ChatGPT	Generate form code, label help	- "Create a contact form with name, email, and message fields." - "Add accessibility features to this HTML form."
Claude	Improve semantics and user flow	- "How would you rewrite this form to be clearer and more user-friendly?" - "Explain the purpose of each input type in this form."

Tool	Use Case	Sample Prompts
<b>Gemini</b>	SEO-friendly form structure	<ul style="list-style-type: none"> <li>- "What form elements affect SEO or page performance?"</li> <li>- "Create a form for newsletter signup with email validation."</li> </ul>
<b>Copilot</b>	Auto-complete input groups	<p><i>Tip:</i> Start typing <code>&lt;form&gt;</code> or <code>&lt;input type="email"&gt;</code>—Copilot will suggest complete groups.</p>
<b>Figma AI</b>	Visualize form layouts	<ul style="list-style-type: none"> <li>- "Design a responsive login form layout with email + password."</li> </ul>
<b>Notion AI</b>	Write form instructions or placeholder content	<ul style="list-style-type: none"> <li>- "Write a placeholder message for a contact form textarea."</li> <li>- "Suggest copy for a job application form button."</li> </ul>

### ✅ Challenge:

- Design a complete form (e.g. contact, feedback, signup)
- Use at least one accessibility improvement (e.g. `aria-label`, `<label>`)
- Let AI help create realistic input options, labels, and placeholder content