

# Controlled Forms

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# Forms

- Cohesive, effective and compelling data entry experience
- Extensively used in websites and web applications for
  - log in
  - submit information (placing orders, booking a ticket etc.)

# HTML Forms

- Form Tag
  - `<form> . . . </form>`
- Form elements:
  - `<input>`
    - type: text, password, submit, radio, checkbox, button, color, date, datetime, email, month, number, range, search, tel, time, url, week
  - `<textarea>`
  - `<button>`
  - `<select>`
- These elements maintain their own state and update it based on user input

# Controlled Components

- Make the React component control the form that it renders:
  - Single source of truth
  - Tying the form state to component state
  - Controlled component
- Every state mutation will have an associated handler function