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## Advanced Component Types – Additional Examples

<https://www.udemy.com/course/react-typescript-the-practical-guide/learn/lecture/40470594#overview>

### A Card Component That Has Multiple "Slots"

<https://github.com/academind/react-typescript-course-resources/blob/main/examples/Card.tsx>

A reusable **Card** component that does not just accept the **children** prop but also accepts an **actions** prop which receives JSX as value.

It may be used like this:

```
<Card
  title='My Card'
  actions={<button onClick={() => console.log('Button clicked!')}>Click Me!</button>>}
  <p>Some content</p>
</Card>
```

### A Button Component That Accepts Text & An Icon

<https://github.com/academind/react-typescript-course-resources/blob/main/examples/IconButton.tsx>

A reusable **IconButton** component which will output text side-by-side next to a configurable icon (or actually any component). It accepts an **icon** prop which wants a component identifier as a value.

It may be used like this:

```
<IconButton
  icon={HeartIcon}
  onClick={() => console.log('Button clicked!')}
  Like
</IconButton>
```

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### A Generic List Component

<https://github.com/academind/react-typescript-course-resources/blob/main/examples/List.tsx>

A reusable **List** component which outputs an `<ul>` that wraps a list that may output any kind of value (strings, numbers, objects, ...). The component accepts the **items** as a prop as well as a **renderItem** prop that expects to get a function that controls how each item should be rendered.

It may be used like this:

```
<main>
  <section>
    <h2>Users</h2>
    <List
      items={users}
      renderItem={(user) => <li key={user.id}>{user.name}</li>}
    />
  </section>
  <section>
    <h2>Hobbies</h2>
    <List
      items={hobbies}
      renderItem={(hobby) => <li key={hobby}>{hobby}</li>}
    />
  </section>
</main>
```