

```
const orderAmen = {  
  ... order,           → Everything else as it is.  
  item: 'burger'       → Item property changed,  
                        pizza → burger  
}
```

Day-9

* Cross-cutting concerns in React

- Permission roles
Handling errors
Logging

They are all required for any application, but are not necessary from business point of view.

This group of functionality is what falls into the category of cross-cutting concerns

- For eg. an application wants to keep track of live orders list & Newsletter list. They almost have same code (same pattern)
- So, how to define a logic in single place and share among many components?



Higher Order Components (HOC)

- HOC is a function that takes a component and returns a new component.

→ Second method is Render Props.

→ It is a component with a render prop that takes a function that returns a react element and calls that function inside its render logic.

e.g.

```
<MealProvider render={data => (  
  <p>Ingredients: {data.ingredients}</p>  
)}  
>
```

* Why React Testing Library?

→ Why testing?

- Discover bugs
- Ensures software quality
- Save time and money

→ Practices to keep in mind when writing your tests

- Avoid including implementation details
- Work with actual DOM nodes
- Resemble software usage
- Maintainability

→ Tests for testing

- Test

- Javascript test runner
- Provides access to jsdom
- Good iteration speed
- Powerful features : Like mocking modules (more control on how the code executes)

→ React Testing Library

- Set of utilities that let you test React components without relying on their implementation details.
- Fulfills all best testing practices.