**EXTRACTING AND DISPATCHING DATA USING CONNECT**

Data is extracted in react redux by passing mapStateToProps as the first argument in connect to reshape the data from the store. Connect can be used in both class and functional components. The mapStateToProps is called anytime the state of the store changes by receiving the entire store state and returning data the component needs. To fully render mapStateToProps, it must be written as a function with state as its argument right before exporting connect. The mapStateToProps function must not only be fast but also pure and synchronous. The only time mapStateToProps is not rendered is when the state of the store is the same and unchanged.

To dispatch data in react redux, mapDispatchToProps must be passed as the second argument in connect to dispatch actions to the store in order to trigger state change. Data can be dispatched by passing dispatch as a prop or, providing a mapDispatchToProps parameter. The mapDispatchToProps can also be defined either as a function or an object. It should be noted that, mapDispatchToProps can be passed as an argument to connect even without mapStateToProps. In this case, null must be passed as the first argument.