Action and ActionCreators

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Now we have component that is displaying exactly what we want. Now we need to setup our action.
An action is basically anything that you do with your application. Like:
- Clicking a button
- Submitting a form
- Moving a slider

Action is a function that will be called somewhere.

Steps :
- Create actions dir in src folder
- Create index.js file

```
const selectUser = (user) =>{
console.log("You clicked on : ", user.first);
return{
type:"USER_SELECTED",
payload:user
}
};

export default selectUser;
```

In the above code below code is action
```
return{
type:"USER_SELECTED",
payload:user
}
```
And the whole method is ActionCreator

The action that is created, we need to match it with component as well, for that we will have to use matchDispatchToProps () method, that take dispatch as argument, and bindActionCreators will bind the actions with dispatch, it is same as view dispatch the action.

dispatch means calling the function.

```
function matchDispatchToProps(dispatch){
return bindActionCreators({selectUser:selectUser},dispatch)
}
export default connect(mapStateToProps,matchDispatchToProps)(UserList);
```

Follow complete code.
Containers/user-list.js
```
import React, { Component } from 'react';
import { connect } from 'react-redux';
import { bindActionCreators } from 'redux';
import { selectUser } from '../actions/index';
class UserList extends Component{
createUserListItems(){
return this.props.users.map((user)=>{
return <li
key={user.id}
onClick={()=>this.props.selectUser(user)}>
{user.first} - {user.last}</li>
})
}
render(){
return(
<ul>
{this.createUserListItems()}
</ul>
)
}
}
function mapStateToProps(state){
return{users:state.users}
}

function matchDispatchToProps(dispatch){
return bindActionCreators({selectUser:selectUser},dispatch)
}
```

```
export default connect(mapStateToProps,matchDispatchToProps)(UserList);
```