

1. What is Redux?

Redux is used to main the state of the application globally.

2. How redux works?

Redux design pattern is also called block pattern.

1. From the UI we trigger the action
2. Redux receive this action and modify the state
3. When redux completed its work then it passes same action to saga
4. Then saga perform its own task.

3. Concrete Example according to project.

1. When user Press login button it triggers the action to redux this action contains the email and password.
2. Redux set the 'loginLoading' variable to true.
3. Login screen access this variable and show the loading.
4. After that the same action goes to the saga.
5. Saga extract the **name** and **password** from the action and make the login api call to the <http://shoopigapi.herokuapp.com/account/signin>
6. It receives the response and extract the response
7. If response contains the 'Login Successful' message then saga dispatch action to the redux again and set the 'isLogin' variable to true.
8. 'isLogin' variable is a persistent variable.
9. Therefore, if user close the app and again open the app 'isLogin' variable value does not destroy because it is the persisted value.

4. How to redirect the user if user is already login.

When user opens the app

ReduxNavigation.js file the 'isLogin' variable if its value is true it redirects the user to the Home screen.

5. Code files Location:

Redux code is written inside the `:/App/Redux/LoginRedux.js`

Sagas code is written inside the `:/App/Sagas/LoginSagas.js`

Api End points are written in `:/Services/Api.js`

6. How to logout the user:

1. When user press the logout button, we dispatch the action to redux which set the 'isLogin' variable to false.
2. Reset the screens state
3. And navigate the user to the login screen

7. How to share the product:

1. In order to share the product, we have user the '**react-native-share**'
2. When user press the share button
3. It opens the dialog to select either the '**gmail**' or '**message**' if user selects any of these, we pass the product information to gmail app or message and this information will be visible in the app.
4. The information which we pass is the 'product name' and 'image url'