Ownership Chain

Summer Internship Project Report

Submitted To

DataRitz Technologies

Duration : 6 weeks

By

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1803213022

Under the guidance of
DR. Bhuwneshwar Prasad Sharma

DataRitz Technologies
Enhancing Technology Experience

DataRitz Technologies
Enhancing Technology Experience

CERTIFICATE

This is to certify that ProjectReportentitled “**Ownership Chain**” which is submitted by team-Innovators in partial fulfillment of the requirement for the summer internship of degree B.Tech in Department of Computer Science and Engineering of ABES Engineering College, is a record of the candidate own work carried out by him under my/our supervision. The matter embodied in thesis is original and has not been submitted for the award of any other degree.

Supervisor: Dr. Bhuvenshwar Prasad Sharma

Date:03/july/2020

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the B. Tech summer internship Project undertaken during B. Tech. Second Year. We owe special debt of gratitude to DR. Bhuvneshawar Prasad Sharma, ***DataRitz Technologies*** *for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. It is only his cognizant efforts that our endeavors have seen light of theday.*

We also take the opportunity to acknowledge the contribution of Head, Department of ***DataRitz Technologies*** *for his full support and assistance during the development of the project.*

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the DataRitz Technologies for their kind assistance and cooperation during the development of our project. Last but not the least, we acknowledge our friends for their contribution in the completion of the project.

Signature: Team INNOVATORS

Name &Roll no: Anshi Aggarwal (1803213022)

Date- 03/july/2020

TABLE OF CONTENTS

PROJECT TITLE

OWNERSHIP CHAIN

TEAM MEMBERS

TEAM INNOVATORS

1. MAYANK SHARMA- 1803210093
2. KAMINI JHA- 1803210071
3. KOMAL- 1803210082
4. ANSHI AGARWAL- 1803213022

PROJECT DESCRIPTION

In our project, “OWNERSHIP CHAIN”, the basic idea is that the user can upload all the images of the things that he/she has bought or he/she can upload the picture of the bill of any particular thing and image of the things that has been purchased. By this , the user will have a proof of that purchased entity that will help in future. Because many a times we do not keep the bills in a proper place or things get stolen and thus this creates a problem whenever the user is asked to show that the thing belong to him only. So , with the help of this app user can keep the record of all the products he/she had bought.

USER STORY

User can login in the app if he/she already have an account, otherwise he/she have to sign up for creating new account. User can upload a scanned image of the things or the bills or user can also select any image from the gallery. User can also view all the uploaded images. User can also add the description about the image that he/she has uploaded. User can change his password and user can see his/her details.

TEAM MEMBERS

Our team - Innovators, consist of 4 members-

1. Mayank Sharma- (Team Leader)- 1803210093
2. Kamini Jha- 1803210071
3. Komal- 1803210082
4. Anshi Agarwal- 1803213022

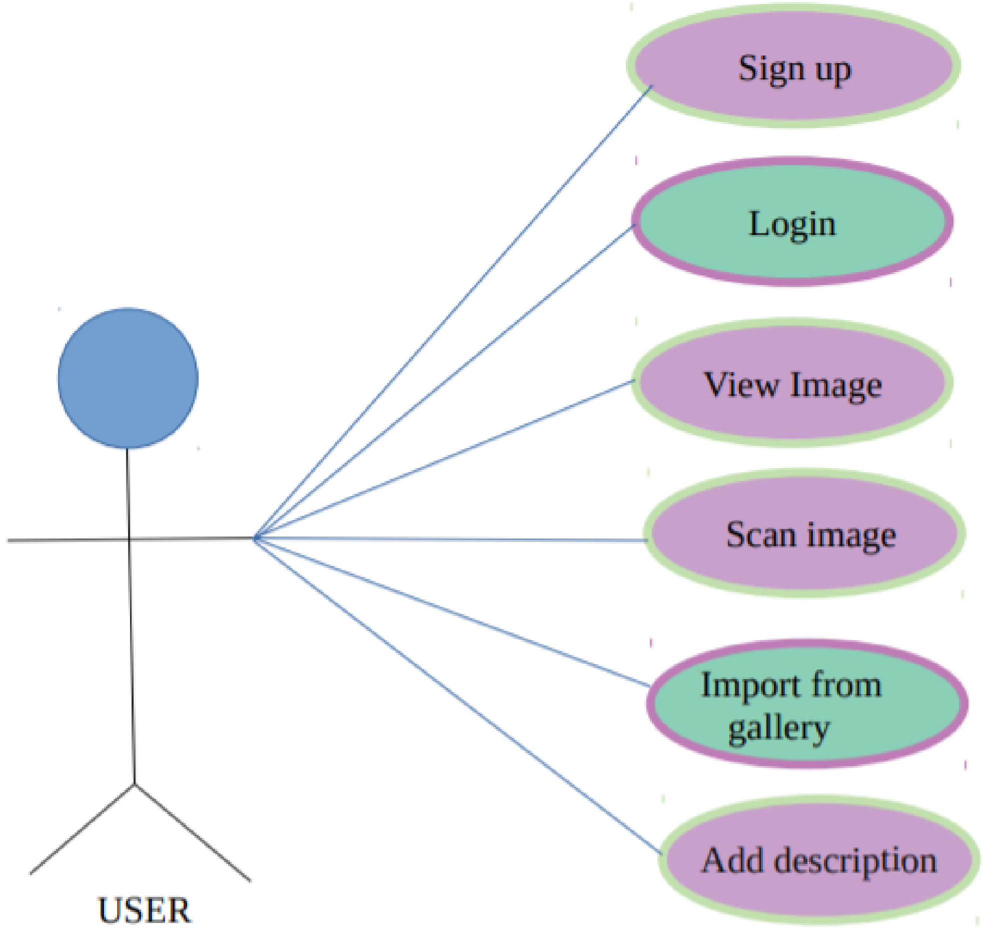
ENTITIES

The main entity of our program-

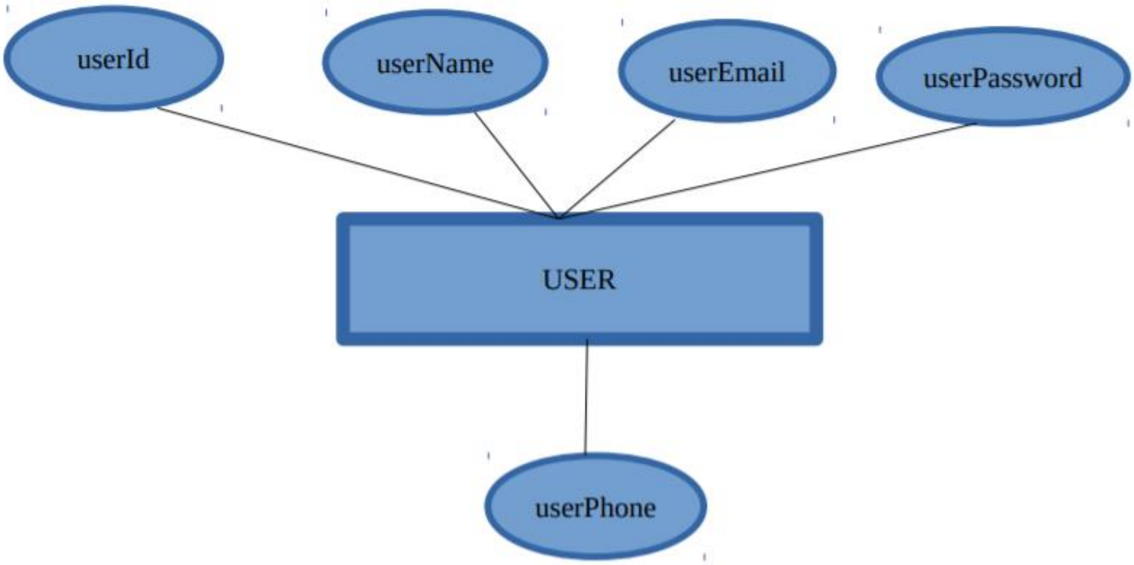
1. User

User’s role is to upload scanned image or image from gallery , to add description for the image, user can view all the images . User can login for an existing account or can also sign up for new account and also can change the password.

USE CASE DIAGRAM

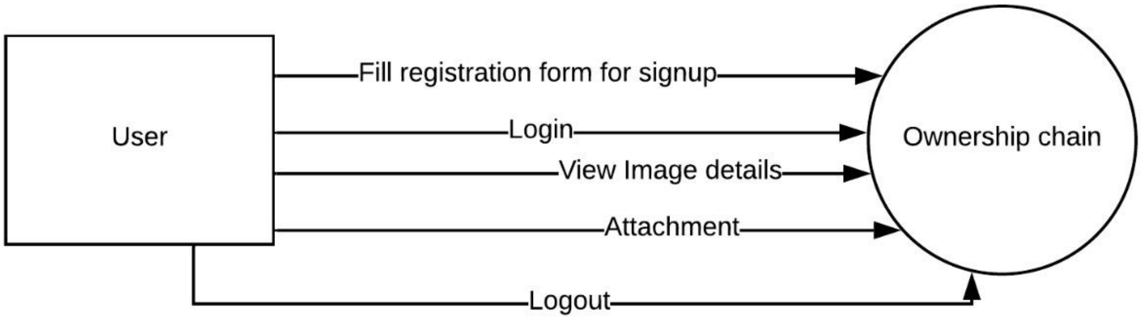


ER DIAGRAM

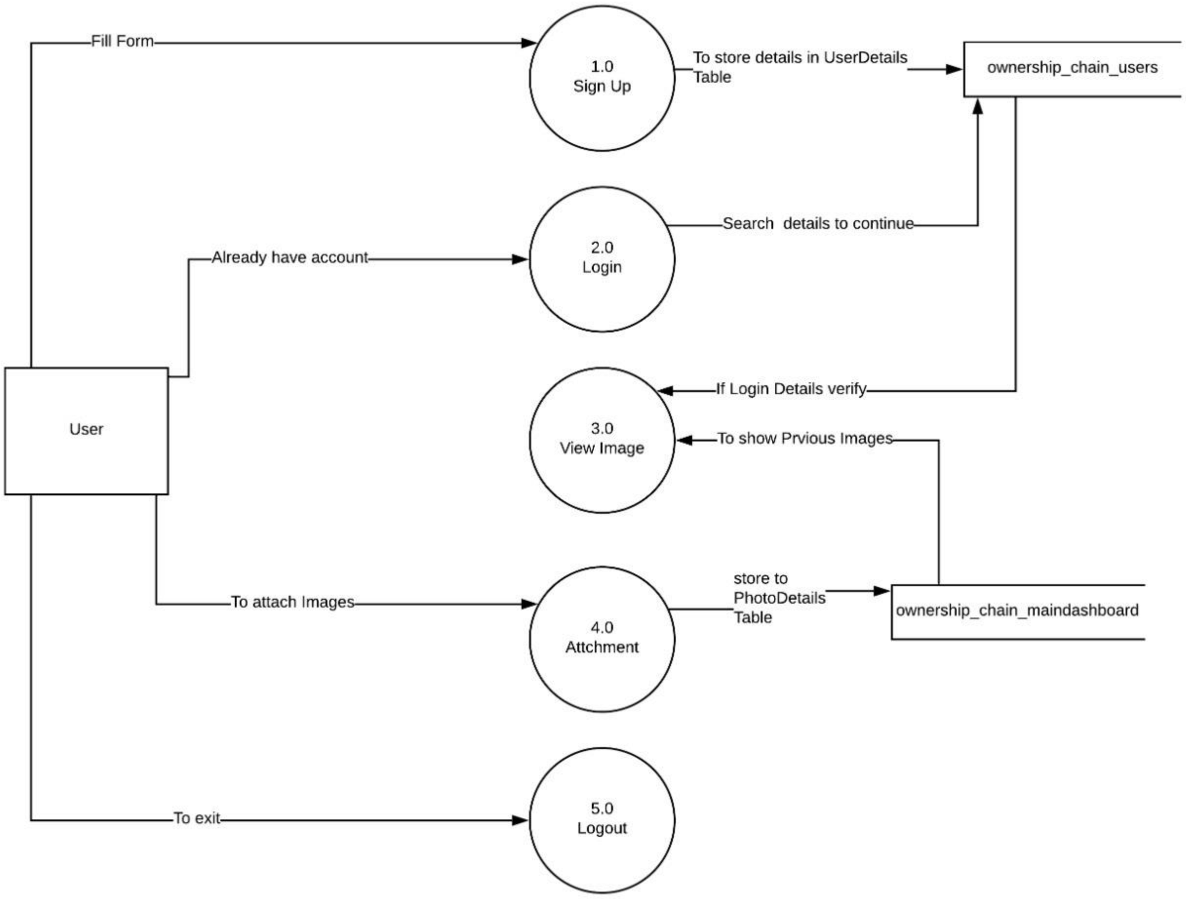


DATA FLOW DIAGRAM

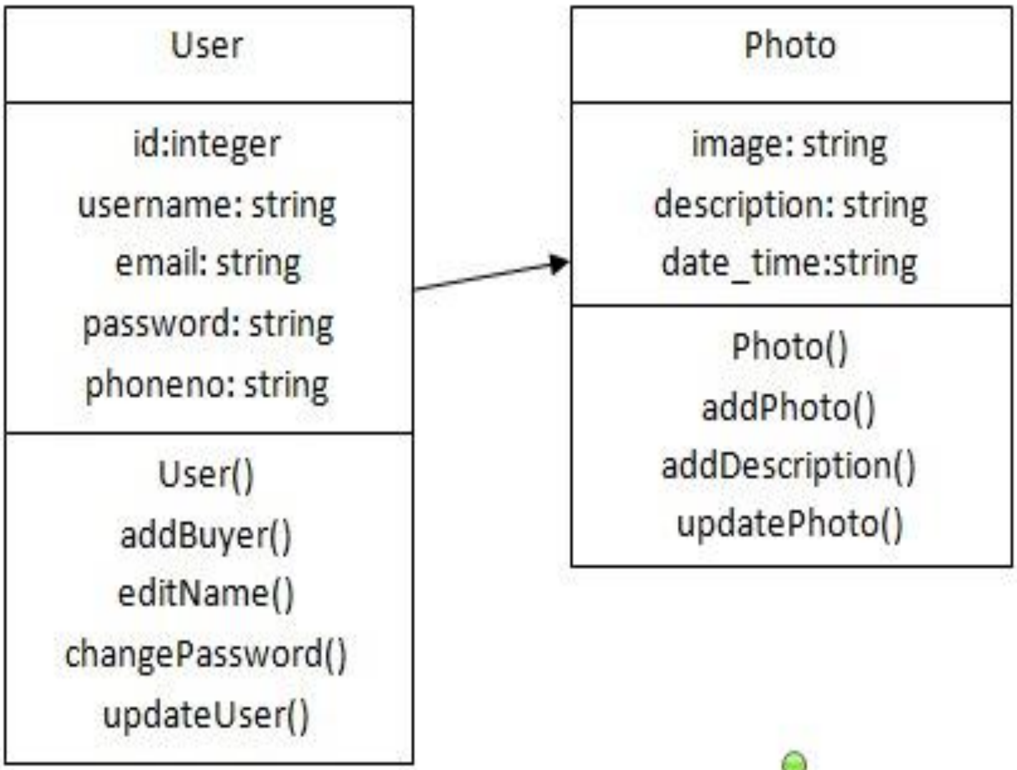
0th level DFD-



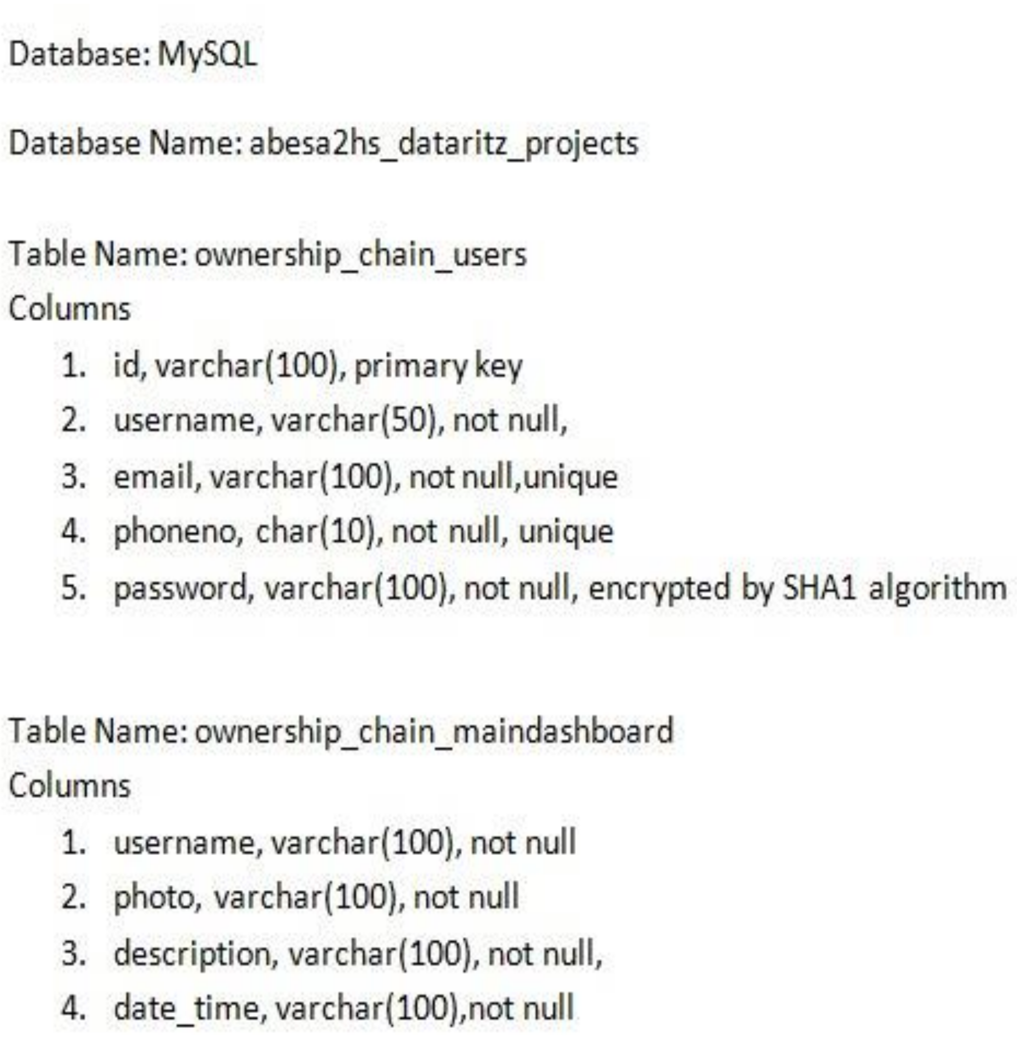
1st level DFD-



CLASS DIAGRAM



DATA DICTIONARY



Database: MySQL

Database Name: abesa2hs_dataritz_projects

Table Name: ownership_chain_users
Columns

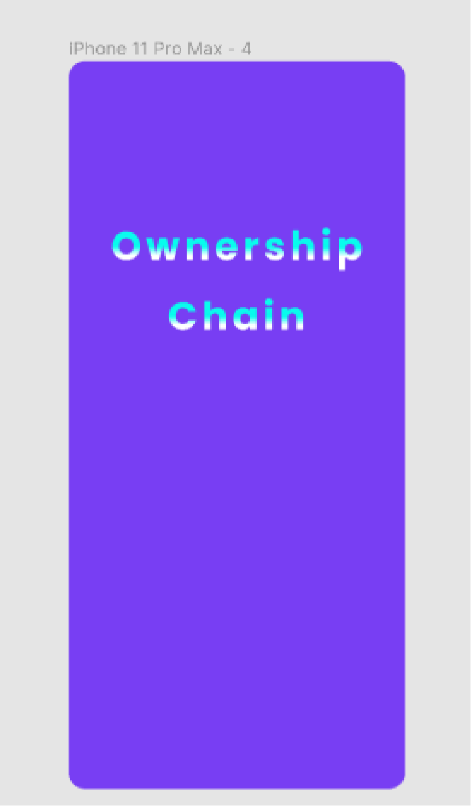
1. id, varchar(100), primary key
2. username, varchar(50), not null,
3. email, varchar(100), not null,unique
4. phoneno, char(10), not null, unique
5. password, varchar(100), not null, encrypted by SHA1 algorithm

Table Name: ownership_chain_maindashboard
Columns

1. username, varchar(100), not null
2. photo, varchar(100), not null
3. description, varchar(100), not null,
4. date_time, varchar(100),not null

PROTOTYPE

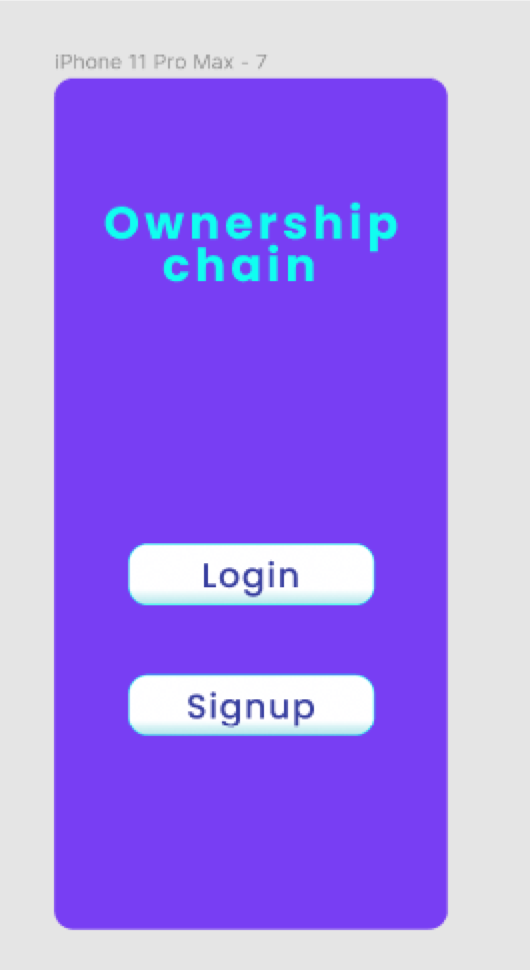
1. Welcome page-



Functionality-

It shows the app name with the logo of the app.

2. Login-Signup Screen-



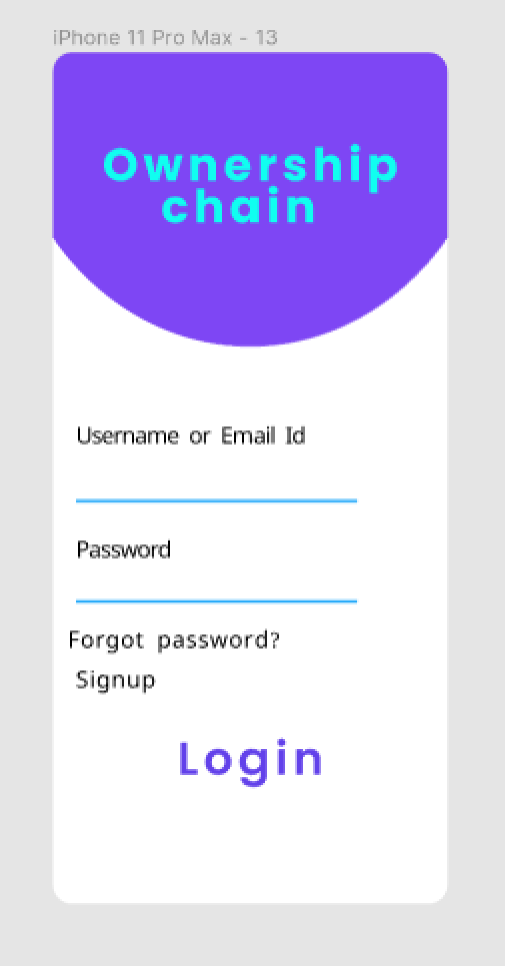
Functionality-

This screen shows two options to the user of sign in and login. If a user already has an account then he/she can login else sign in to the app.

Controls and Rules-

- Button- Login
- Button- Sign Up

3. Login-



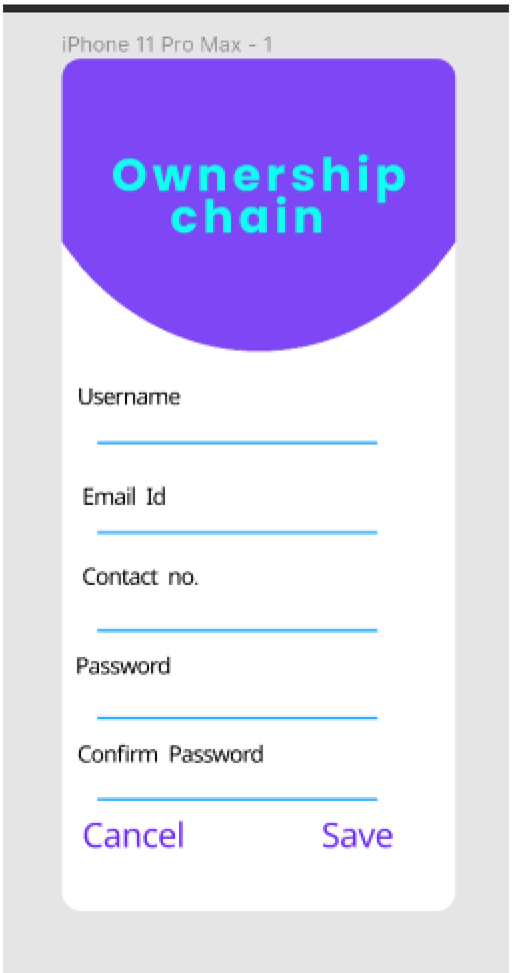
Functionality-

Here, the user can login into the account (if already exists) using two credentials: Username/email and password. Users can also navigate to the signup page if does not have any account. There is also the option of forgot password if the user didn't remember the password, user get their password on Gmail.

Controls and Rules-

- Text Box- Username or Email id
  - Cannot be null
- Text Box- Password
  - Cannot be null
  - More than 8 letters
  - First letter should be Capital
- Text- Forget password
- Text- Sign up
- Button- Login

4. Sign up-



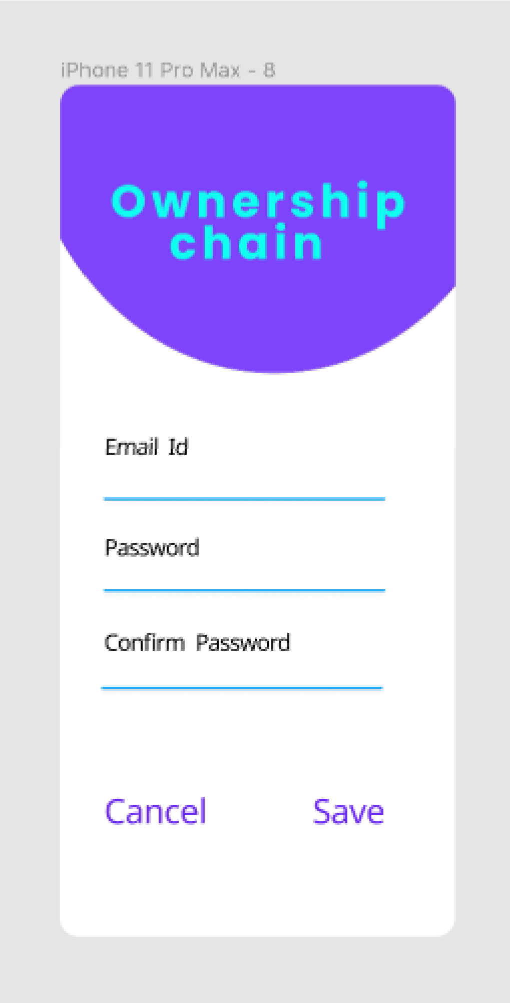
Functionality-

User can create his/her account on the app by signup screen. Here, the user need to provide three credentials: username, email id and contact number.

Controls and Rules-

- Text Box- Username
  - Cannot be null
- Text Box- Email Id
  - Cannot be null

5. Change Password-



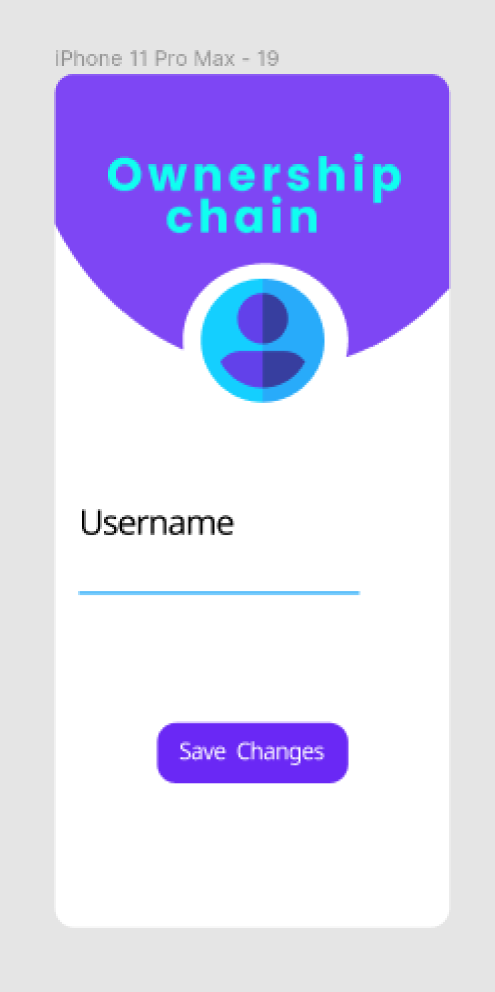
Functionality-

On this screen the user can change the password of account.

Controls and Rules-

- Text Box- Email Id
  - Cannot be null
- Text Box- Password
  - Cannot be null
  - More than 8 letters
  - First letter should be Capital
- Text Box- Confirm Password
  - Cannot be null
  - More than 8 letters
  - First letter should be Capital

6. Change Username-



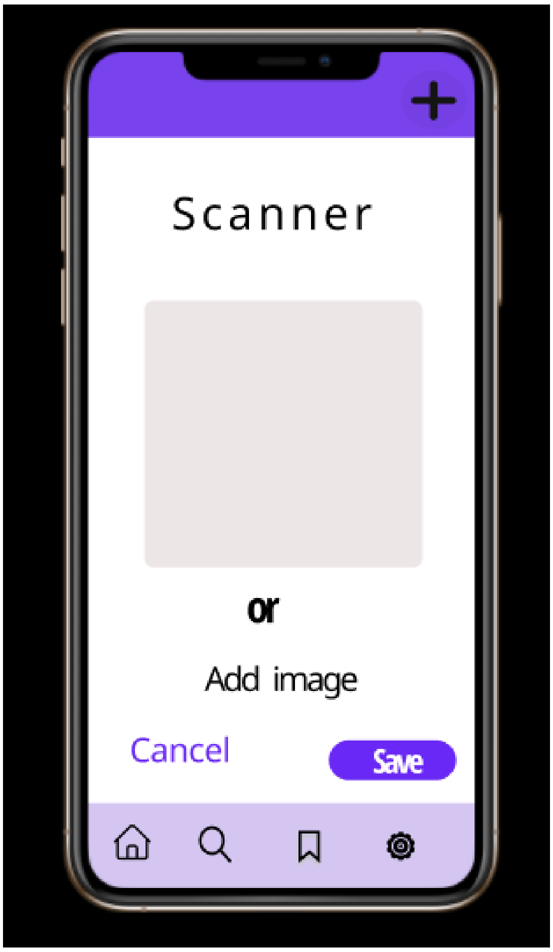
Functionality-

On this screen, user can change his/her username that will be shown to his/her profile.

Controls and Rules-

- Text Box- Username
  - Cannot be null
- Button- Save Changes

7. Scanning and attaching ownerships

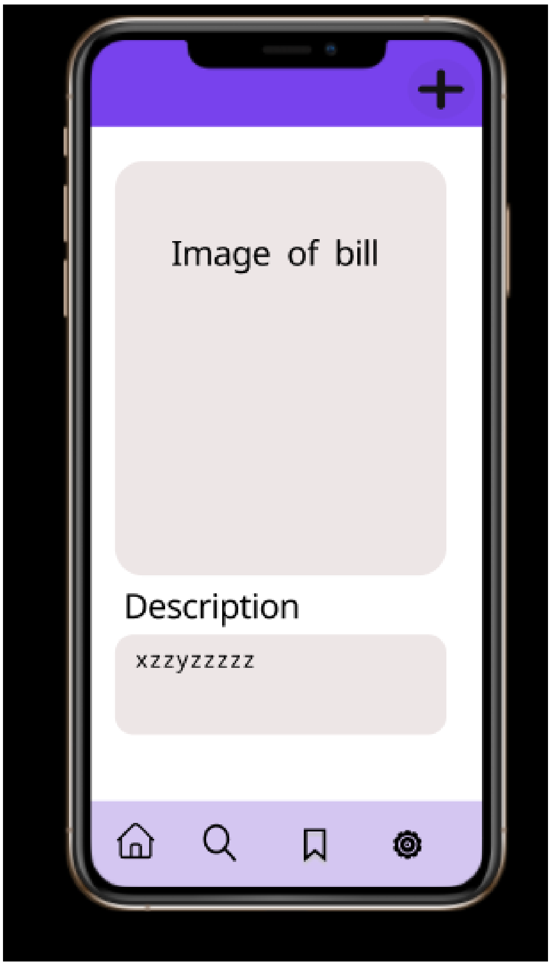


Functionality-
This screen shows the image and Description by tap the image to display.

Controls and Rules-

- Image- Images
- Text Box- Description
  - Cannot be null
- Button- Home
- Button- Search
- Button- Bookmark
- Button- Setting

8. Image Description-



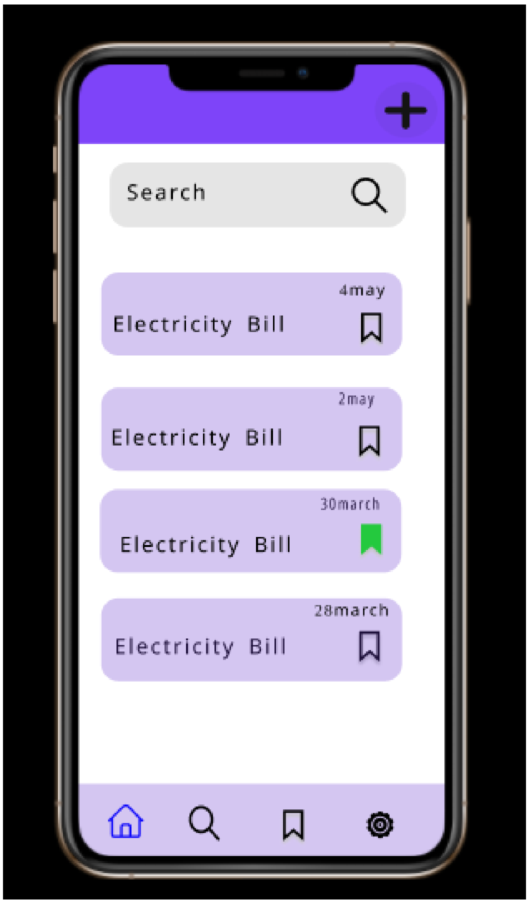
Functionality-

User can provide the description and Subject of the provided image and then save that.

Controls and Rules-

- Image- Scanned Image
- Text Box- Description
  - Cannot be null
- Text Box- Subject
  - Cannot be null
- Button- Save
- Button- Home
- Button- Search
- Button- Bookmark
- Button- Setting

9. Main Dashboard-



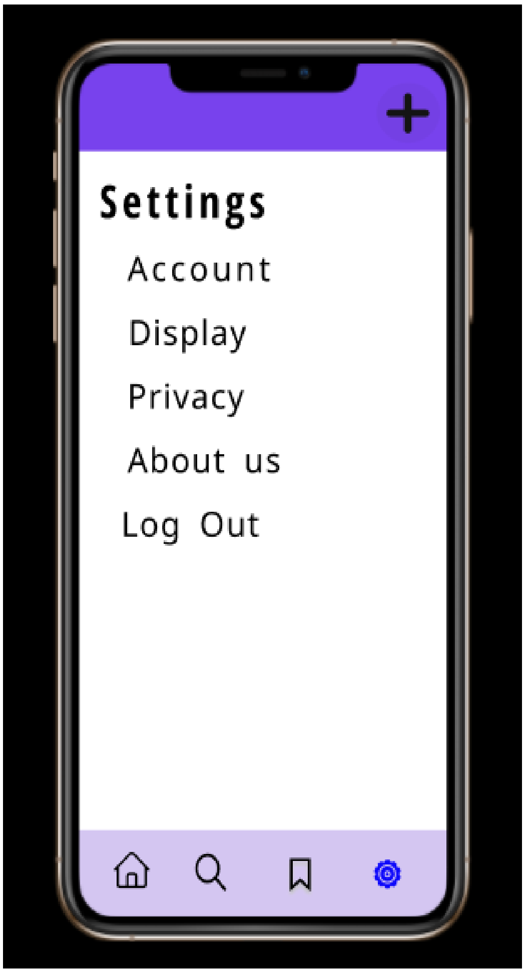
Functionality-

On this screen, user can view all his/her previously existing images with the uploaded dates.

Controls and Rules-

- Text Box- Search
- Box- Image
- Button- Home
- Button- Search
- Button- Bookmark
- Button- Setting
- Button- Attach

10. Settings-



Settings

Account

Display

Privacy

About us

Log Out

Functionality-

On the setting screen, user have the following options for setting:

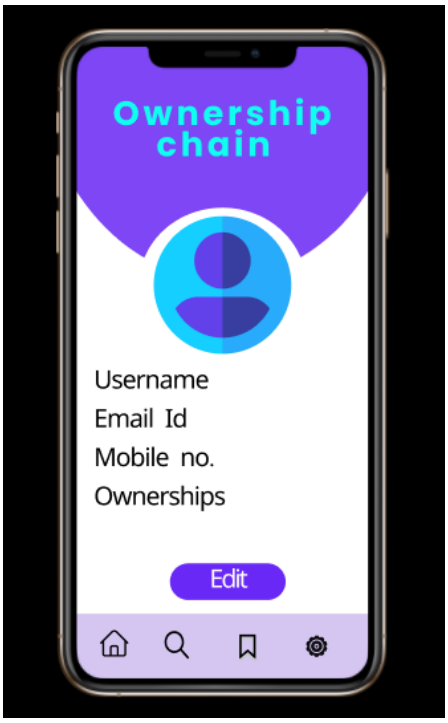
1. Account(user can see his/her account information)
2. Display(Show Dashboard)
3. Privacy (can change the passwords etc.)
4. About Us (About the app)
5. Log Out (user can logout from his/her account)

Controls and Rules-

- Text- Account
- Text- Display
- Text- Privacy
- Text- About us

- Text- Logout
- Button- Home
- Button- Search
- Button- Bookmark
- Button- Setting

11. Profile-



Functionality-

On this screen user can see his/her account details such as username, email id, mobile number, Image Saved or ownerships.

Controls and Rules-

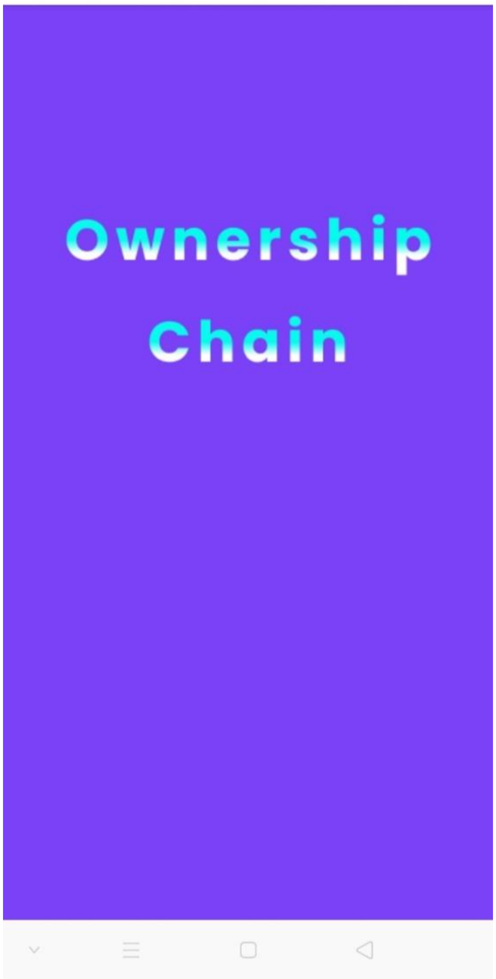
- Text- Username
- Text- Email Id
- Text- Mobile Number
- Text- Ownership
- Button- Edit

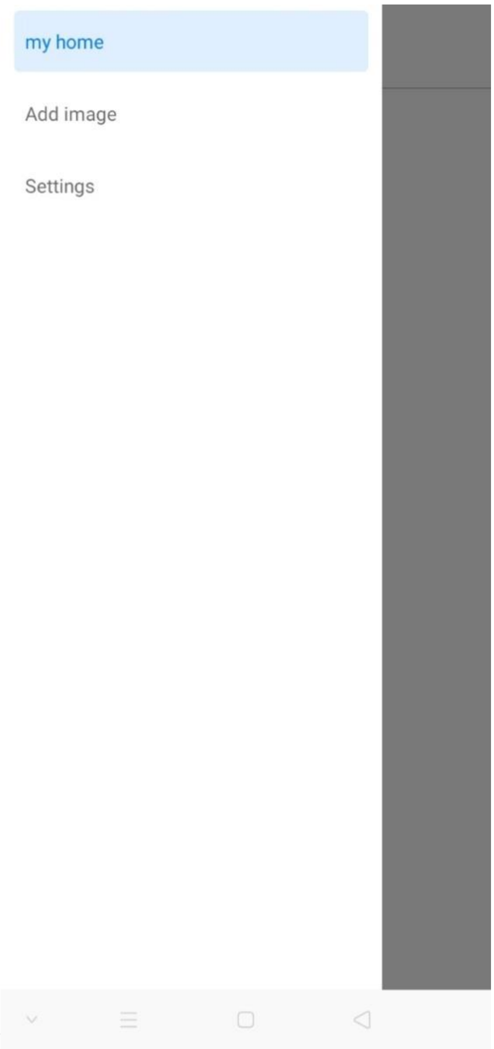
- Button- Home
- Button- Search
- Button- Bookmark
- Button- Setting

ACTUAL SCREENS

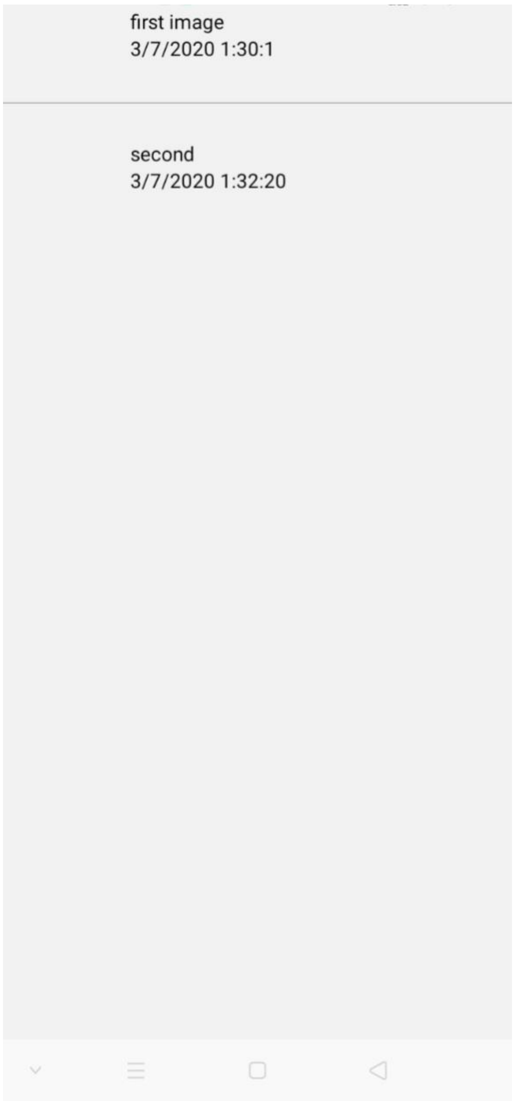
Main screen-Drawer-

Main Screen



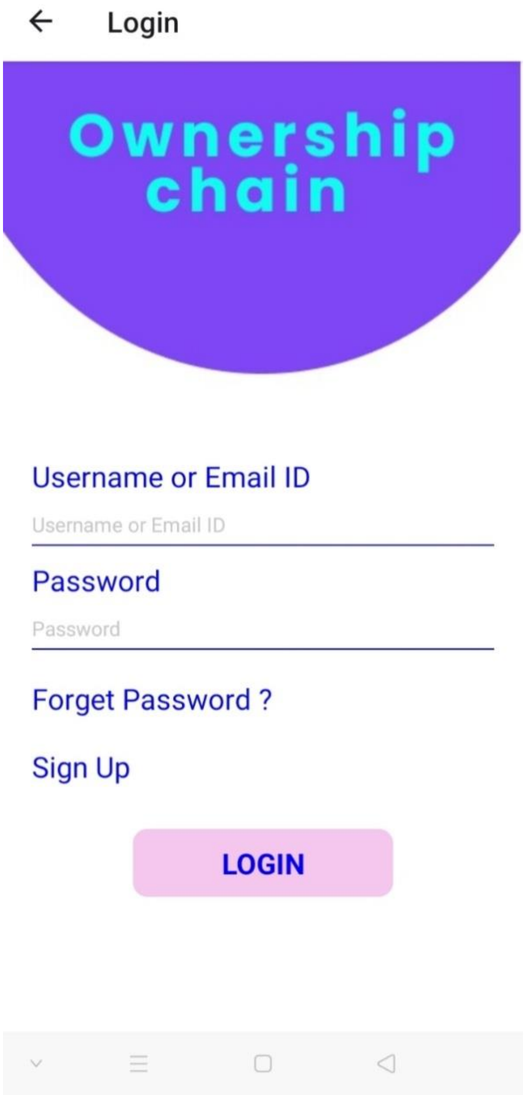


Main Dashboard-Login screen-



first image
3/7/2020 1:30:1

second
3/7/2020 1:32:20



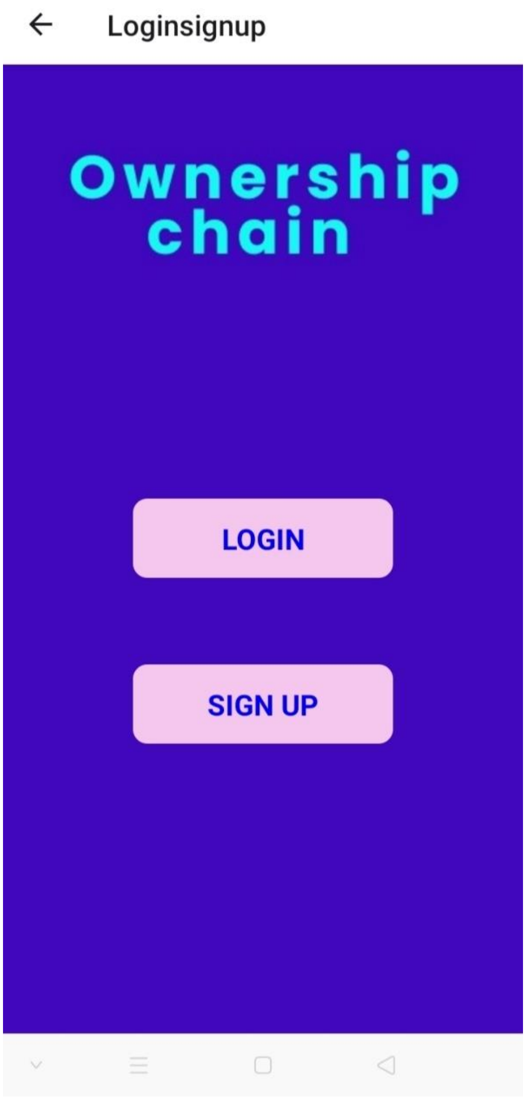
Username or Email ID

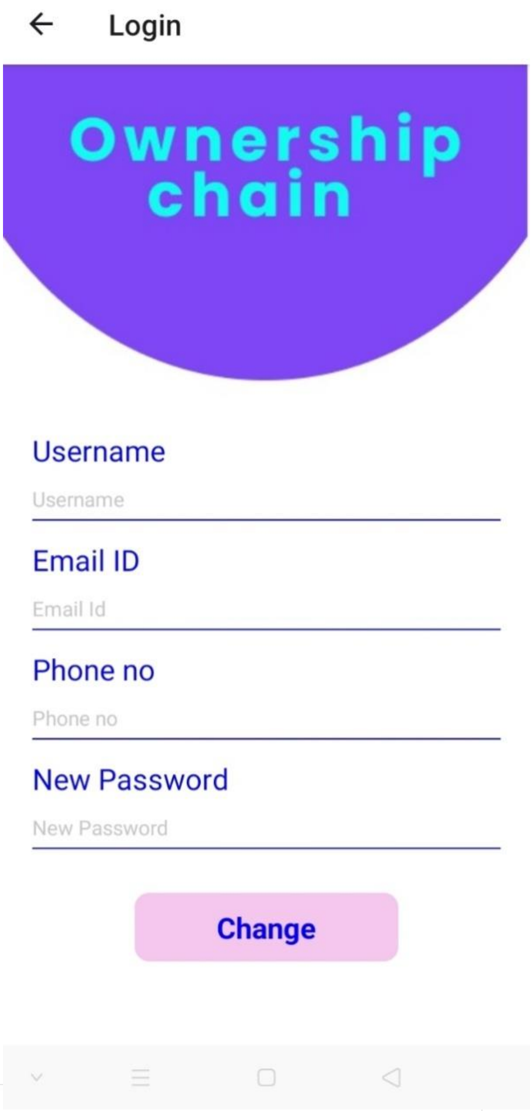
Username or Email ID

Password

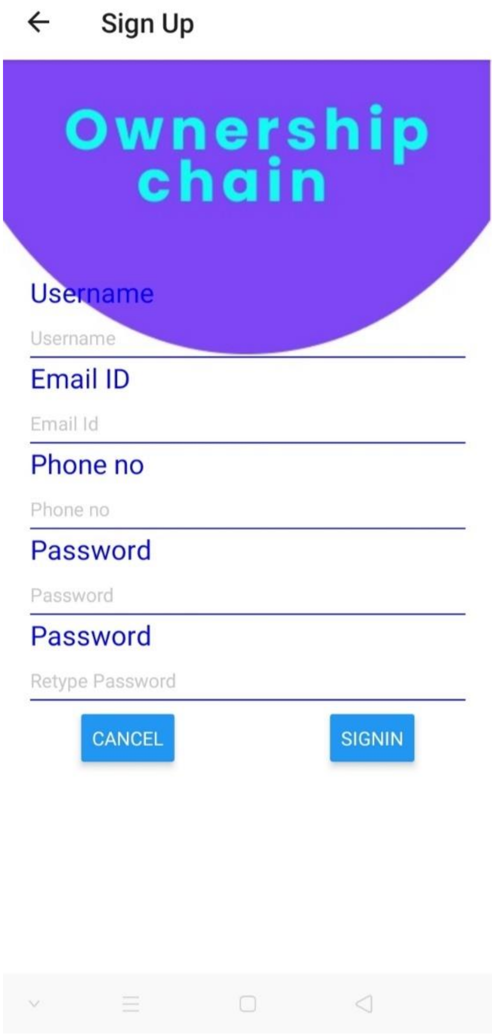
Password

Login Signup Screen-Forget Password Screen-





Signup Screen-Profile Screen-



Sign Up

Ownership chain

Username

Username

Email ID

Email Id

Phone no

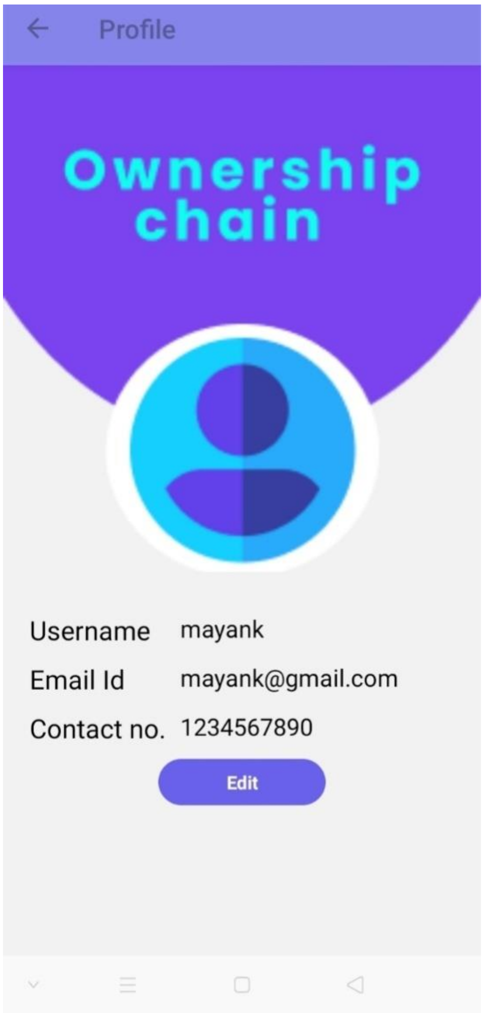
Phone no

Password

Password

Password

Retype Password



Profile

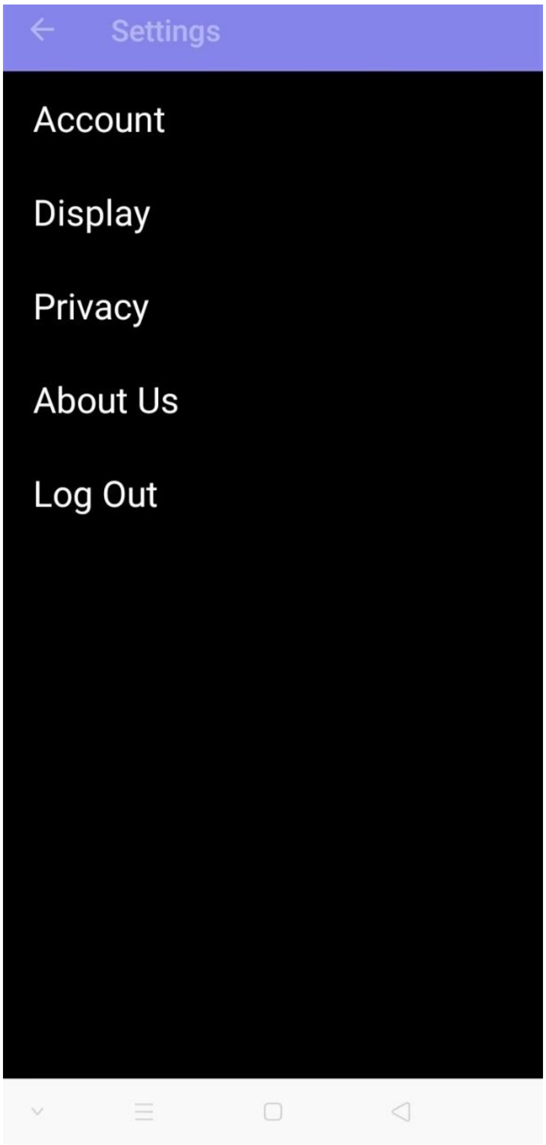
Ownership chain

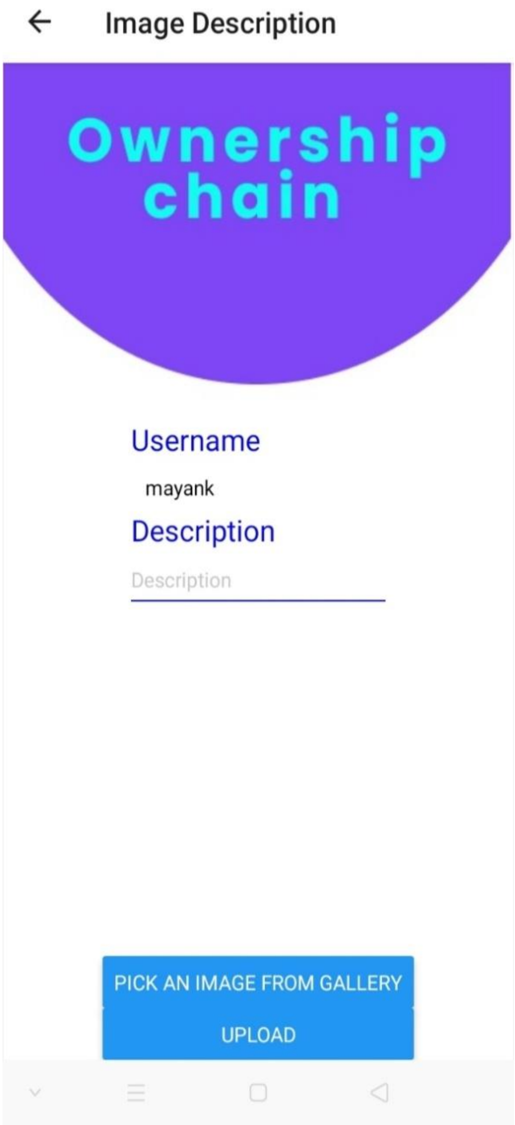
Username mayank

Email Id mayank@gmail.com

Contact no. 1234567890

Setting Screen-Attach Image Screen-

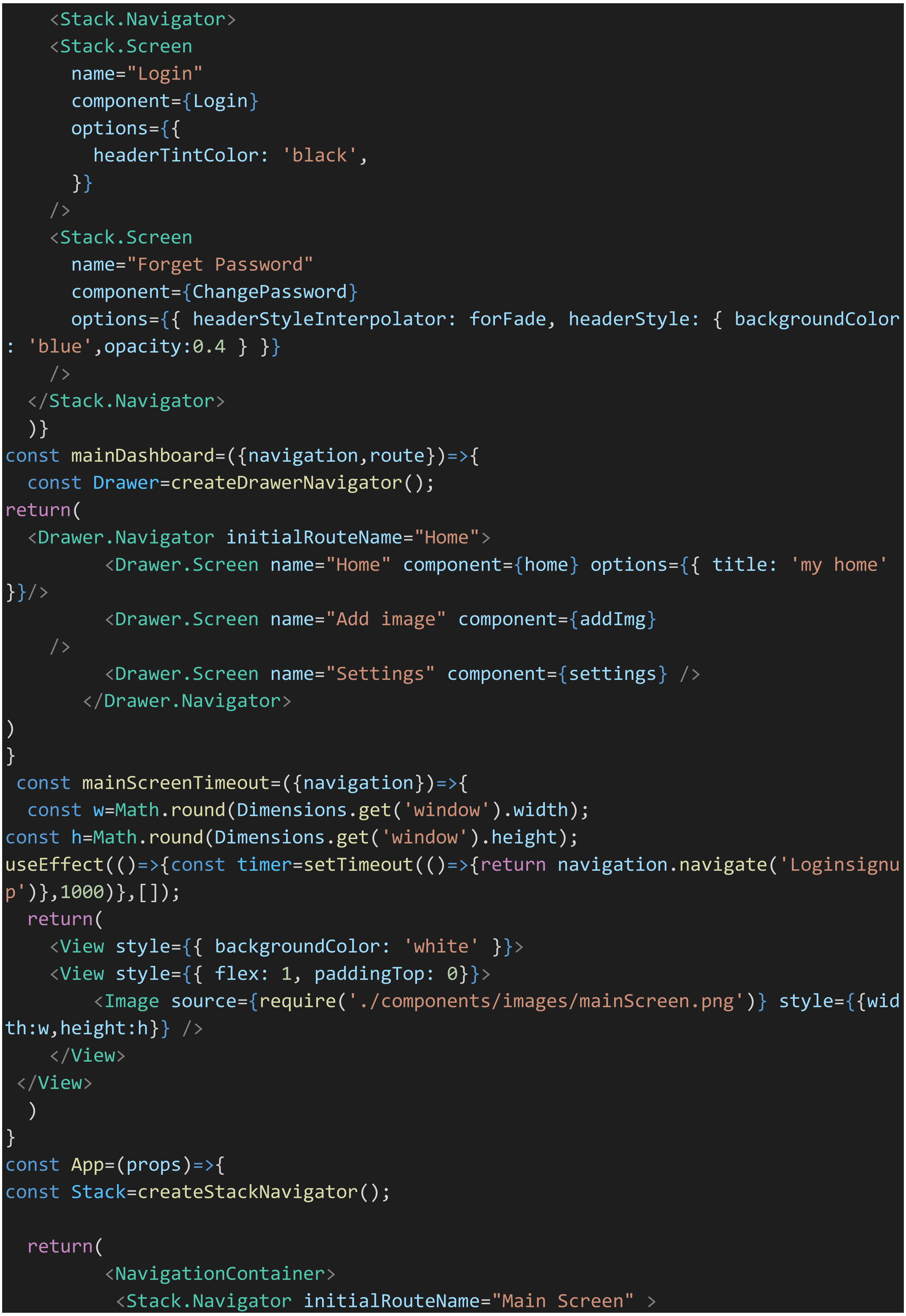




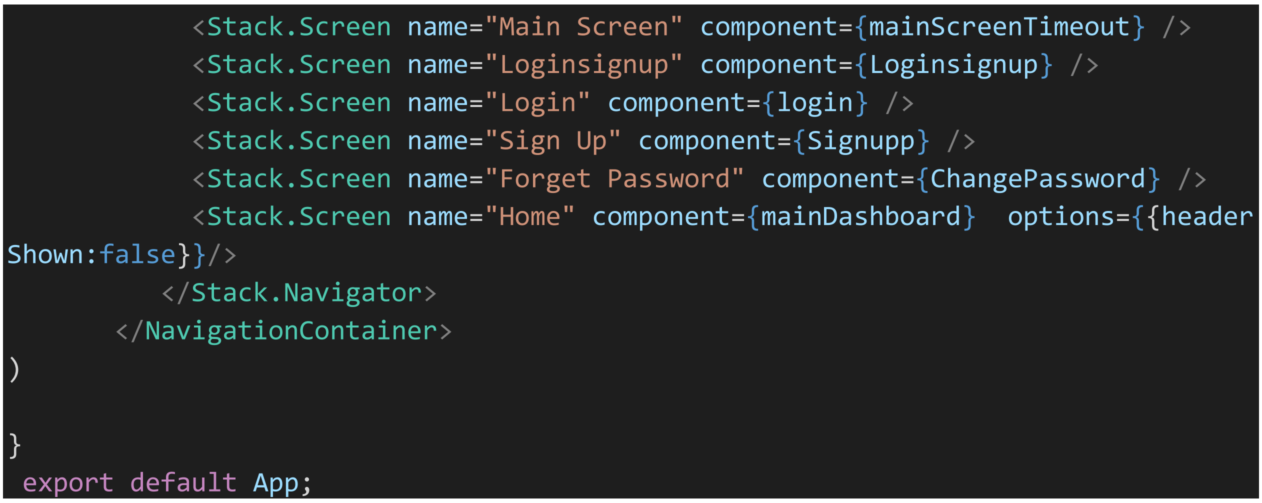
SCREEN WISE CODE

1. App.js-

```
import 'react-native-gesture-handler';
import React ,{useEffect} from 'react';
import {ScrollView,Animated,View,Image,Dimensions,Text} from 'react-native';
import SignUpp from './components/signup1';
import home from './components/home';
import Login from './components/loginScreen';
import Loginsignup from './components/loginSignupScreen';
import CameraScreen from './components/cameraScreen';
import Gallery from './components/gallery';
import ImageDescription from './components/imageDes';
import AddImage from './components/addImage';
import SettingScreen from './components/settingScreen';
import ChangePassword from './components/changePassword1';
import { NavigationContainer } from '@react-navigation/native';
import {createStackNavigator} from '@react-navigation/stack';
import {createDrawerNavigator} from '@react-navigation/drawer';
import ProfileScreen from './components/profileScreen';

const Signupp=({navigation})=>{return <SignUpp navigation={navigation}/>}
// const imageDes=({navigation,route})=>{
//   const {image}=route.params;
//   console.log(image)
//   return <ImageDescription image={image}/>
// }
const addImg=({navigation})=>{
  const Stack=createStackNavigator();
  return(
    <Stack.Navigator>
      <Stack.Screen name="Add image camera or gallery" component={AddImage}/>
      <Stack.Screen name="Add image using Camera" component={CameraScreen} />
      <Stack.Screen name="Import image from gallery" component={Gallery} />
      <Stack.Screen name='Image Description' component={ImageDescription}/>
    </Stack.Navigator>
  )

  }
const profile=()=>{return <ProfileScreen />}

// const changePassword1=({route,navigation})=>
// {
//   const {userName}=route.params;
//   const user=JSON.stringify(userName);
//   return(<View>
//     <ChangePassword1 navigation={navigation}/>
//     </View>)
// }
const settings=()=>{
  const Stack=createStackNavigator();
return (
  <Stack.Navigator>
  <Stack.Screen
    name="Settings"
    component={SettingScreen}
    options={{
      headerTintColor: 'white',
      headerStyle: { backgroundColor: 'blue',opacity:0.4 },
    }}
  />
  <Stack.Screen
    name="Profile"
    component={profile}
    options={{ headerStyleInterpolator: forFade , headerStyle: { backgroundColor:
 'blue',opacity:0.4 }}}
  />
</Stack.Navigator>
)
}

const forFade = ({ current, next }) => {
  const opacity = Animated.add(
    current.progress,
    next ? next.progress : 0
  ).interpolate({
    inputRange: [0, 1, 2],
    outputRange: [0, 1, 0],
  });

  return {
    leftButtonStyle: { opacity },
    rightButtonStyle: { opacity },
    titleStyle: { opacity },
    backgroundStyle: { opacity },
  };
};
const login=({navigation})=>{
  const Stack=createStackNavigator();
  return (
```

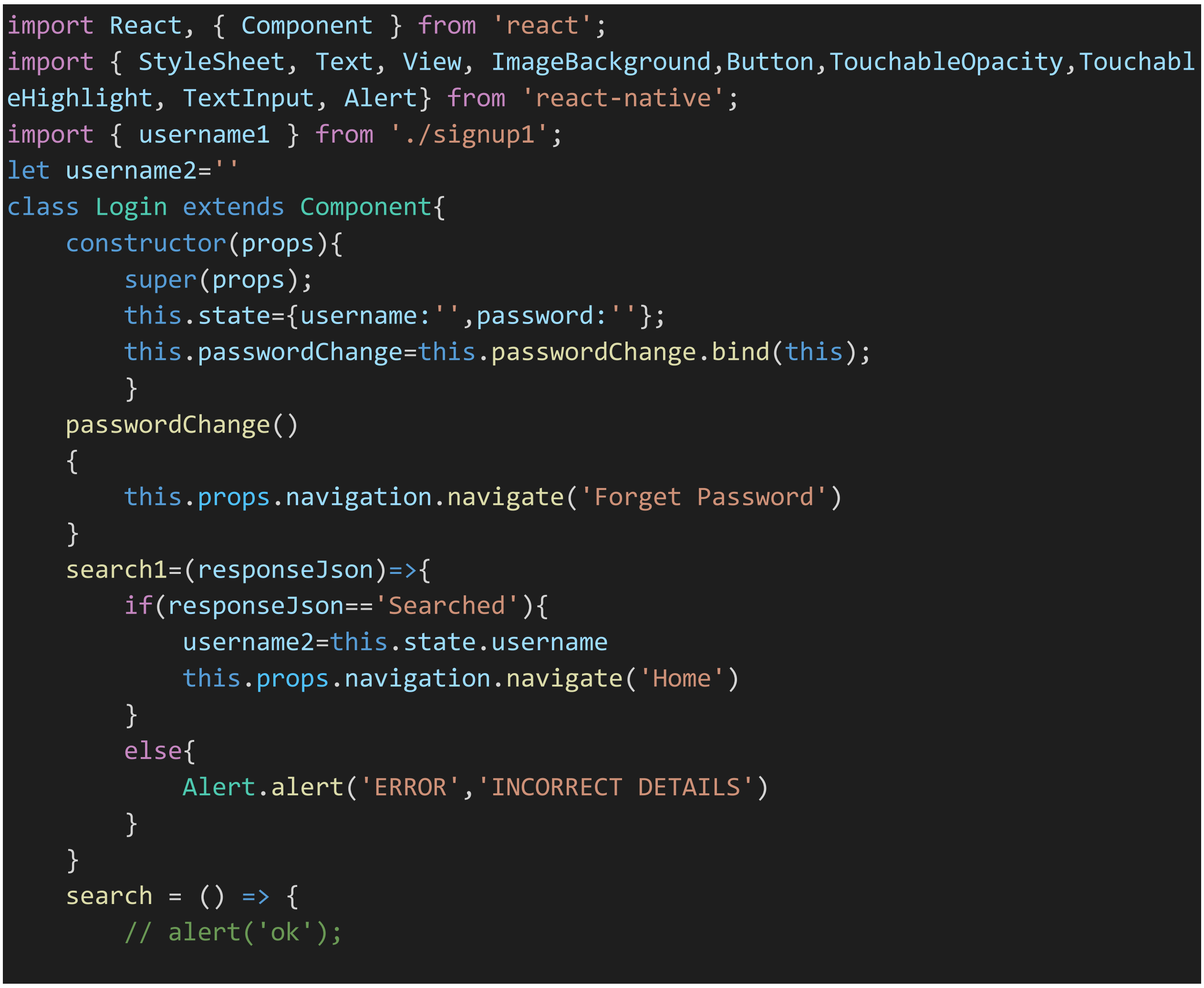


```
    <Stack.Navigator>
    <Stack.Screen
      name="Login"
      component={Login}
      options={{
        headerTintColor: 'black',
      }}
    />
    <Stack.Screen
      name="Forget Password"
      component={ChangePassword}
      options={{ headerStyleInterpolator: forFade, headerStyle: { backgroundColor
: 'blue',opacity:0.4 } }}
    />
  </Stack.Navigator>
  )}
const mainDashboard=({navigation,route})=>{
  const Drawer=createDrawerNavigator();
return(
  <Drawer.Navigator initialRouteName="Home">
         <Drawer.Screen name="Home" component={home} options={{ title: 'my home'
}}/>
         <Drawer.Screen name="Add image" component={addImg}
    />
         <Drawer.Screen name="Settings" component={settings} />
       </Drawer.Navigator>
)
}
 const mainScreenTimeout=({navigation})=>{
  const w=Math.round(Dimensions.get('window').width);
const h=Math.round(Dimensions.get('window').height);
useEffect(()=>{const timer=setTimeout(()=>{return navigation.navigate('Loginsignu
p')},1000)},[]);
  return(
    <View style={{ backgroundColor: 'white' }}>
    <View style={{ flex: 1, paddingTop: 0}}>
        <Image source={require('./components/images/mainScreen.png')} style={{wid
th:w,height:h}} />
    </View>
 </View>
  )
}
const App=(props)=>{
const Stack=createStackNavigator();

  return(
         <NavigationContainer>
          <Stack.Navigator initialRouteName="Main Screen" >
```

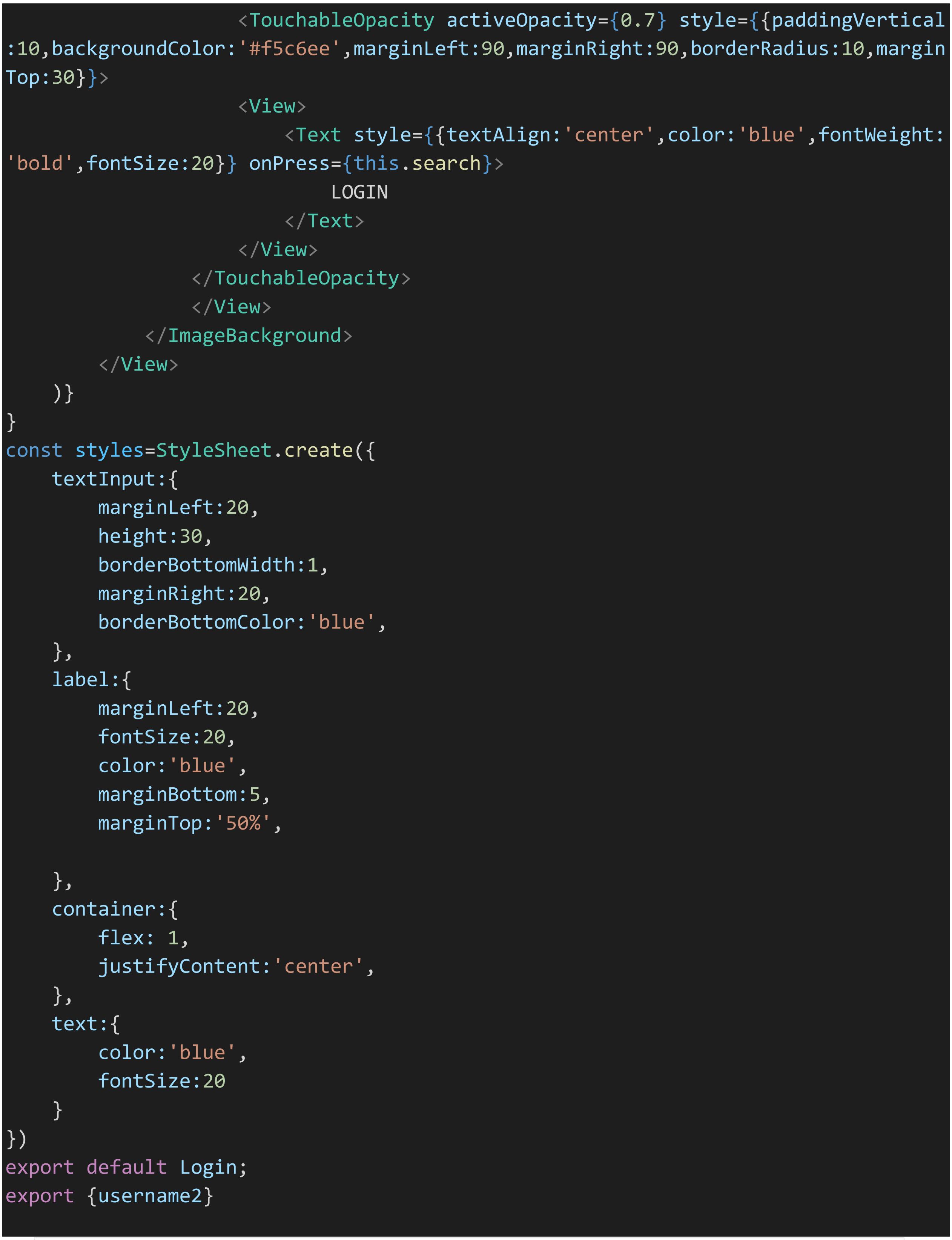


```
            <Stack.Screen name="Main Screen" component={mainScreenTimeout} />
            <Stack.Screen name="Loginsignup" component={Loginsignup} />
            <Stack.Screen name="Login" component={login} />
            <Stack.Screen name="Sign Up" component={Signupp} />
            <Stack.Screen name="Forget Password" component={ChangePassword} />
            <Stack.Screen name="Home" component={mainDashboard}  options={{header
Shown:false}}/>
          </Stack.Navigator>
       </NavigationContainer>
)

}
 export default App;
```

2. loginScreen.js-

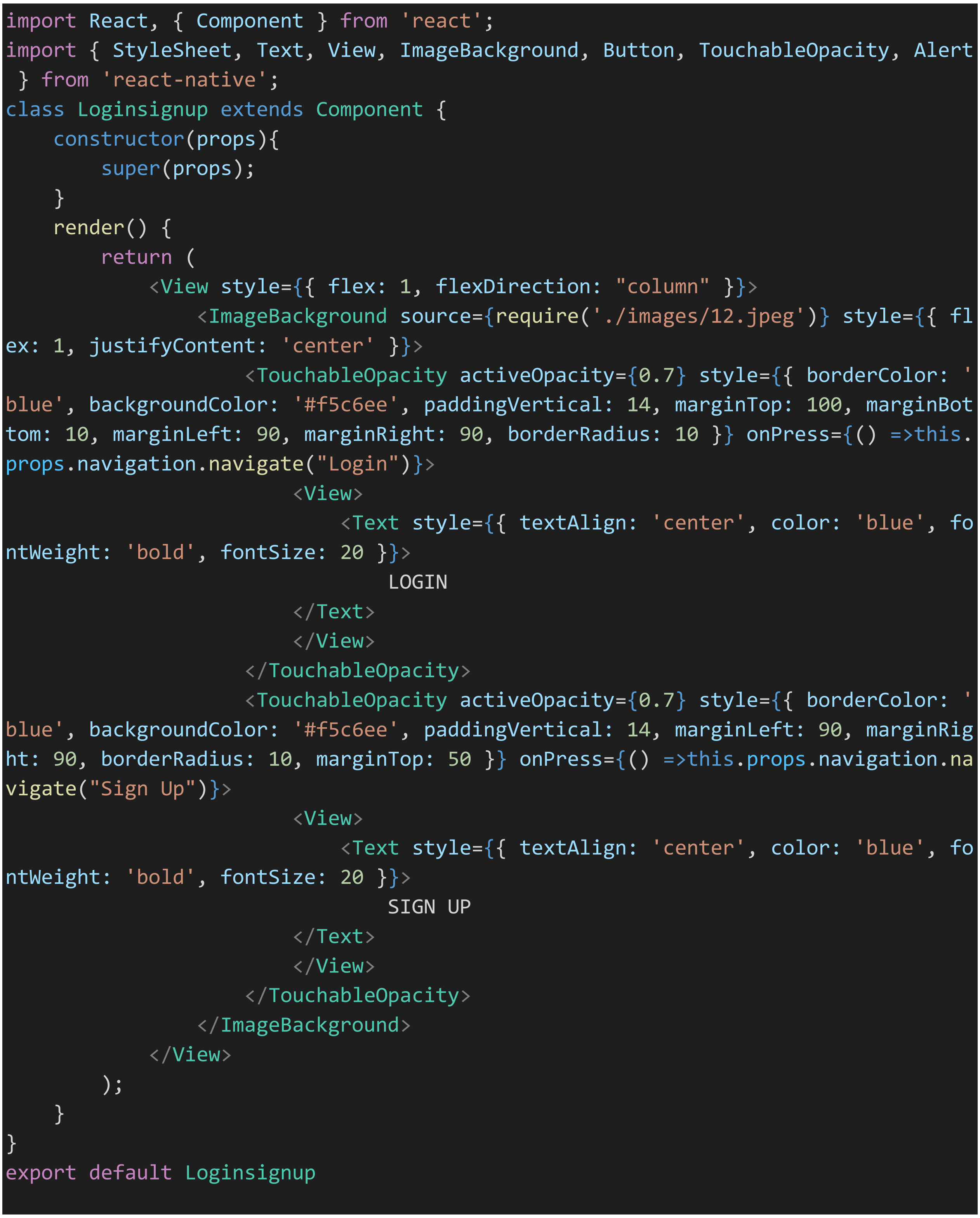


```
import React, { Component } from 'react';
import { StyleSheet, Text, View, ImageBackground,Button,TouchableOpacity,Touchabl
eHighlight, TextInput, Alert} from 'react-native';
import { username1 } from './signup1';
let username2=''
class Login extends Component{
    constructor(props){
        super(props);
        this.state={username:'',password:''};
        this.passwordChange=this.passwordChange.bind(this);
        }
    passwordChange()
    {
        this.props.navigation.navigate('Forget Password')
    }
    search1=(responseJson)=>{
        if(responseJson=='Searched'){
            username2=this.state.username
            this.props.navigation.navigate('Home')
        }
        else{
            Alert.alert('ERROR','INCORRECT DETAILS')
        }
    }
    search = () => {
        // alert('ok');
        fetch('http://192.168.43.167:8080/ppphp/ownership_chain_users_search.php'
, {
            method: 'post',
            header: {
                'Accept': 'application/json',
                'Content-type': 'application/json'
            },
            body: JSON.stringify({ username: this.state.username, password: this.
state.password })
        }).then((response) => response.json()).then((responseJson) => {this.searc
h1(responseJson) }).catch((error) => { console.error(error); })
    }
    render(){
    return (
        <View style={styles.container}>
            <ImageBackground source={require('./images/Login.jpeg')} style={{ fle
x:1,justifyContent: 'center'}}>
                <View style={styles.container}>
                    <Text style={styles.label}>
                        Username or Email ID
                    </Text>
                    <TextInput placeholder="Username or Email ID" onChangeText={(
value)=>this.setState({username:value})} style={styles.textInput} value={this.sta
te.username}/>

                    <Text style={{...styles.label,marginTop:10}}>
                        Password
                    </Text>
                    <TextInput secureTextEntry={true} placeholder="Password" styl
e={styles.textInput} onChangeText={(value)=>this.setState({password:value})} valu
e={this.state.password}/>

                    <TouchableHighlight underlayColor="black" style={{marginLeft:
20,marginTop:20,marginRight:'45%',}} >

                        <Text style={styles.text} onPress={this.passwordChange}>
                            Forget Password ?
                        </Text>
                        </TouchableHighlight>
                        <TouchableHighlight underlayColor="white" style={{marginL
eft:20,marginTop:20,marginRight:'45%',}} >
                        <Text style={styles.text} onPress={()=>{navigation.naviga
te('Sign Up')}}>
                            Sign Up
                        </Text>

                    </TouchableHighlight>
```



```
                    <TouchableOpacity activeOpacity={0.7} style={{paddingVertical:10,backgroundColor:'#f5c6ee',marginLeft:90,marginRight:90,borderRadius:10,marginTop:30}}>
                    <View>
                        <Text style={{textAlign:'center',color:'blue',fontWeight:'bold',fontSize:20}} onPress={this.search}>
                            LOGIN
                        </Text>
                    </View>
                </TouchableOpacity>
                </View>
            </ImageBackground>
        </View>
    )}
}
const styles=StyleSheet.create({
    textInput:{
        marginLeft:20,
        height:30,
        borderBottomWidth:1,
        marginRight:20,
        borderBottomColor:'blue',
    },
    label:{
        marginLeft:20,
        fontSize:20,
        color:'blue',
        marginBottom:5,
        marginTop:'50%',

    },
    container:{
        flex: 1,
        justifyContent:'center',
    },
    text:{
        color:'blue',
        fontSize:20
    }
})
export default Login;
export {username2}
```

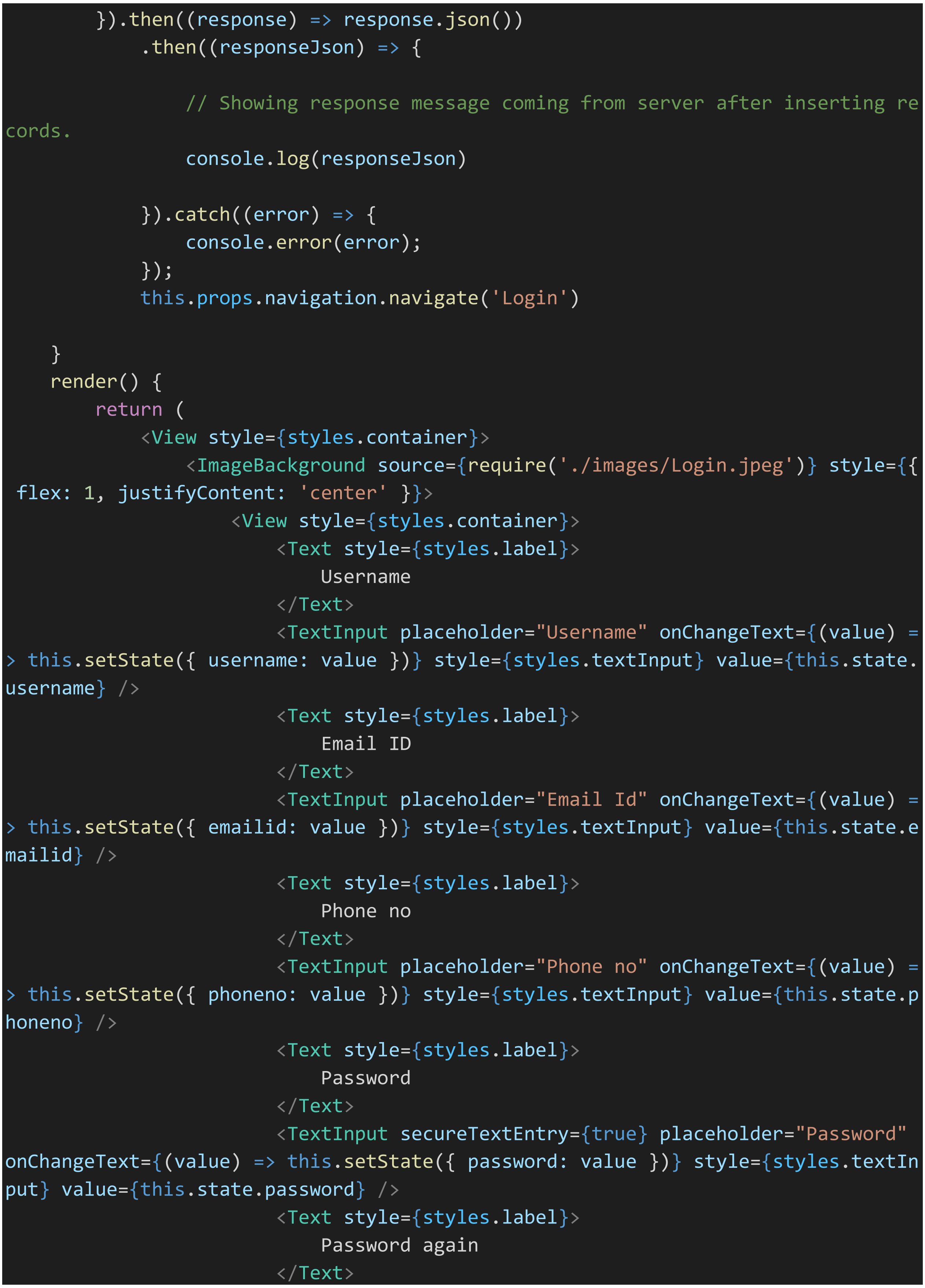
3. loginSignupScreen.js-



```
import React, { Component } from 'react';
import { StyleSheet, Text, View, ImageBackground, Button, TouchableOpacity, Alert
 } from 'react-native';
class Loginsignup extends Component {
    constructor(props){
        super(props);
    }
    render() {
        return (
            <View style={{ flex: 1, flexDirection: "column" }}>
                <ImageBackground source={require('./images/12.jpeg')} style={{ fl
ex: 1, justifyContent: 'center' }}>
                    <TouchableOpacity activeOpacity={0.7} style={{ borderColor: '
blue', backgroundColor: '#f5c6ee', paddingVertical: 14, marginTop: 100, marginBot
tom: 10, marginLeft: 90, marginRight: 90, borderRadius: 10 }} onPress={() =>this.
props.navigation.navigate("Login")}>
                        <View>
                            <Text style={{ textAlign: 'center', color: 'blue', fo
ntWeight: 'bold', fontSize: 20 }}>
                                LOGIN
                        </Text>
                        </View>
                    </TouchableOpacity>
                    <TouchableOpacity activeOpacity={0.7} style={{ borderColor: '
blue', backgroundColor: '#f5c6ee', paddingVertical: 14, marginLeft: 90, marginRig
ht: 90, borderRadius: 10, marginTop: 50 }} onPress={() =>this.props.navigation.na
vigate("Sign Up")}>
                        <View>
                            <Text style={{ textAlign: 'center', color: 'blue', fo
ntWeight: 'bold', fontSize: 20 }}>
                                SIGN UP
                        </Text>
                        </View>
                    </TouchableOpacity>
                </ImageBackground>
            </View>
        );
    }
}
export default Loginsignup
```

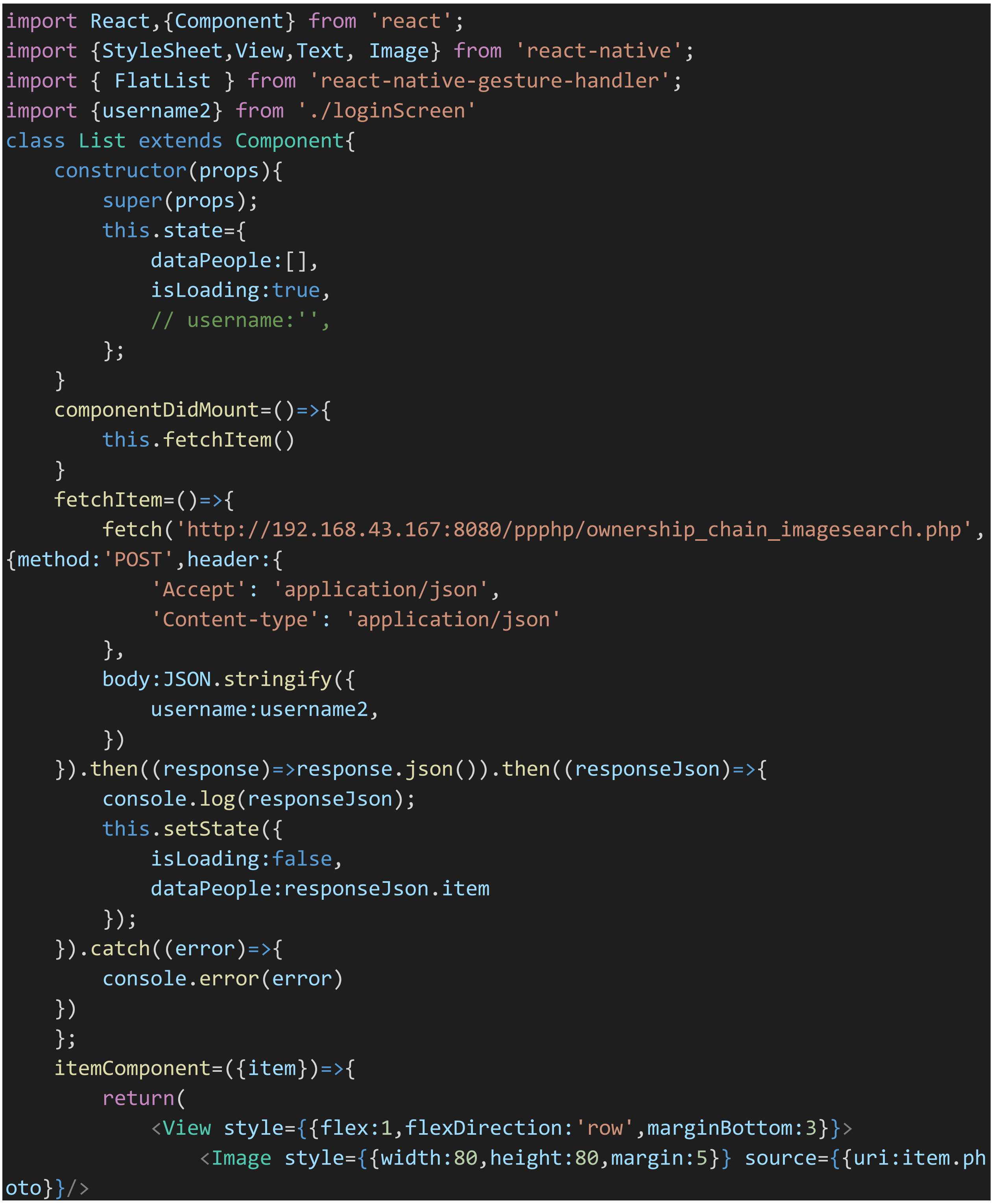
4. signup1.js-

```
import React, { Component } from 'react';
import { View, StyleSheet, Text, ImageBackground, TouchableHighlight, TouchableOp
acity, TextInput, Alert,Button } from 'react-native';
let username1='u'
let email1='u'
let phoneno1='u'
class Signupp extends Component {
    constructor(props) {
        super(props);
        this.state = { username: '', emailid: '', phoneno: '', password: '', repa
ssword: '' };
    }
    check = () => {
        if (this.state.password==this.state.repassword){
            username1=this.state.username
            email1=this.state.emailid
            phoneno1=this.state.phoneno
            this.InsertDataToServer()
        }
        else{
            Alert.alert('ERROR','WRONG PASSWORD')
        }
    }
    InsertDataToServer = () => {

        fetch('http://192.168.43.167:8080/ppphp/ownership_chain_users_save.php',
{
            method: 'POST',
            headers: {
                'Accept': 'application/json',
                'Content-Type': 'application/json',
            },
            body: JSON.stringify({

                username: this.state.username,

                emailid: this.state.emailid,

                phoneno: this.state.phoneno,
                password: this.state.password

            })
```

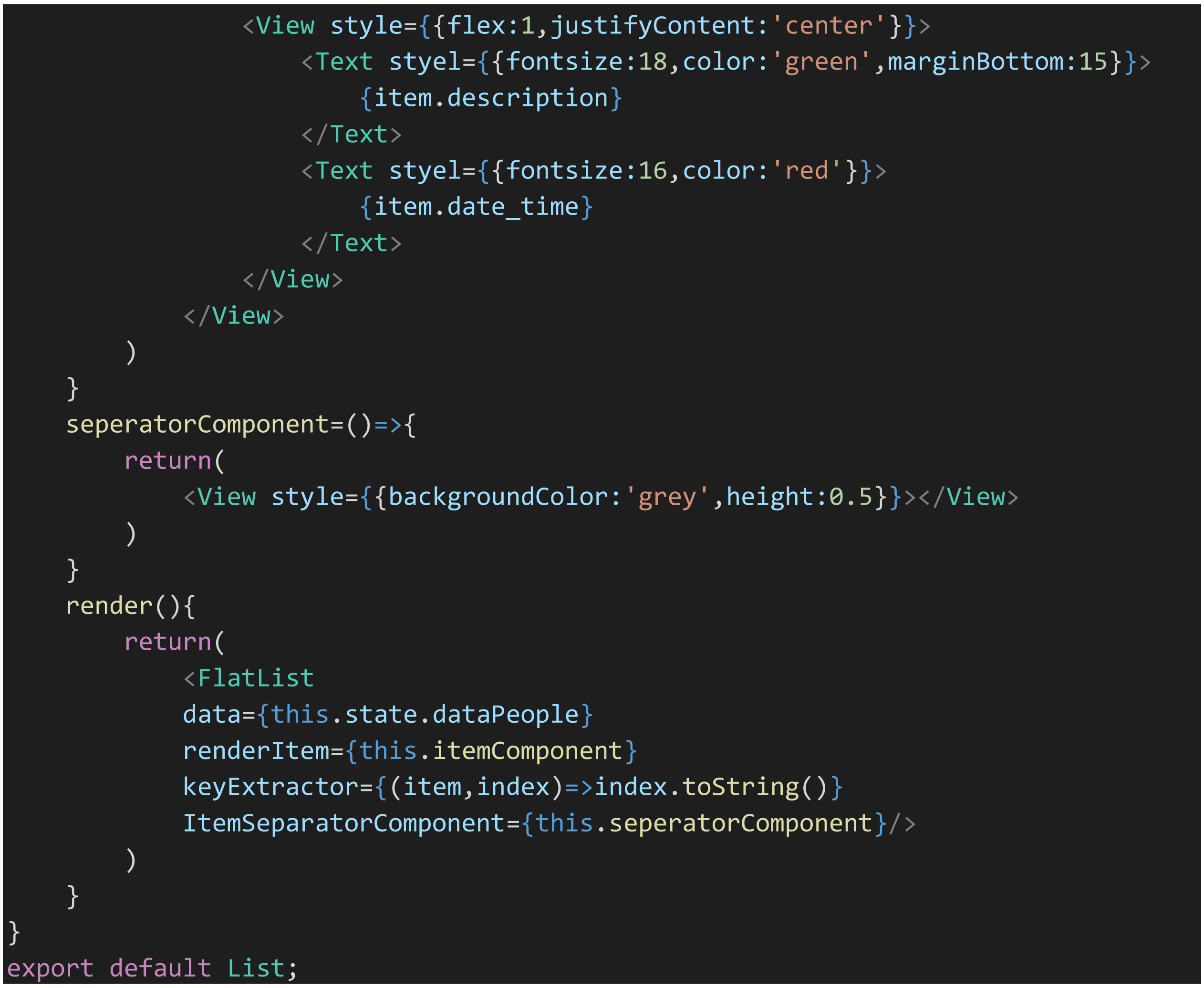


```
        }).then((response) => response.json())
            .then((responseJson) => {

                // Showing response message coming from server after inserting re
cords.
                console.log(responseJson)

            }).catch((error) => {
                console.error(error);
            });
            this.props.navigation.navigate('Login')

    }
    render() {
        return (
            <View style={styles.container}>
                <ImageBackground source={require('./images/Login.jpeg')} style={{
 flex: 1, justifyContent: 'center' }}>
                    <View style={styles.container}>
                        <Text style={styles.label}>
                            Username
                        </Text>
                        <TextInput placeholder="Username" onChangeText={(value) =
> this.setState({ username: value })} style={styles.textInput} value={this.state.
username} />
                        <Text style={styles.label}>
                            Email ID
                        </Text>
                        <TextInput placeholder="Email Id" onChangeText={(value) =
> this.setState({ emailid: value })} style={styles.textInput} value={this.state.e
mailid} />
                        <Text style={styles.label}>
                            Phone no
                        </Text>
                        <TextInput placeholder="Phone no" onChangeText={(value) =
> this.setState({ phoneno: value })} style={styles.textInput} value={this.state.p
honeno} />
                        <Text style={styles.label}>
                            Password
                        </Text>
                        <TextInput secureTextEntry={true} placeholder="Password"
onChangeText={(value) => this.setState({ password: value })} style={styles.textIn
put} value={this.state.password} />
                        <Text style={styles.label}>
                            Password again
                        </Text>
                        <TextInput secureTextEntry={true} placeholder="Retype Password" onChangeText={(value) => this.setState({ repassword: value })} style={styles.textInput} value={this.state.repassword} />
                        <View style={{ flexDirection: 'row-reverse', justifyContent: 'space-around', marginTop: 10 }}>
                            <Button title='Signin' onPress= {this.check} />
                            <Button title='Cancel' onPress={()=>this.props.navigation.navigate('Login')} />
                        </View>
                    </View>
                </ImageBackground>
            </View>
        );
    }
}
export default Signupp;
export {username1,email1,phoneno1}
const styles = StyleSheet.create({
    textInput: {
        marginLeft: 20,
        height: 30,
        borderBottomWidth: 1,
        marginRight: 20,
        borderBottomColor: 'blue',
    },
    label: {
        marginLeft: 20,
        fontSize: 20,
        color: 'blue',
        marginBottom: 5,
        marginTop: 1,

    },
    container: {
        flex: 1,
        justifyContent: 'center',
    },
    text: {
        color: 'blue',
        fontSize: 20
    }
})
```

5. home.js-

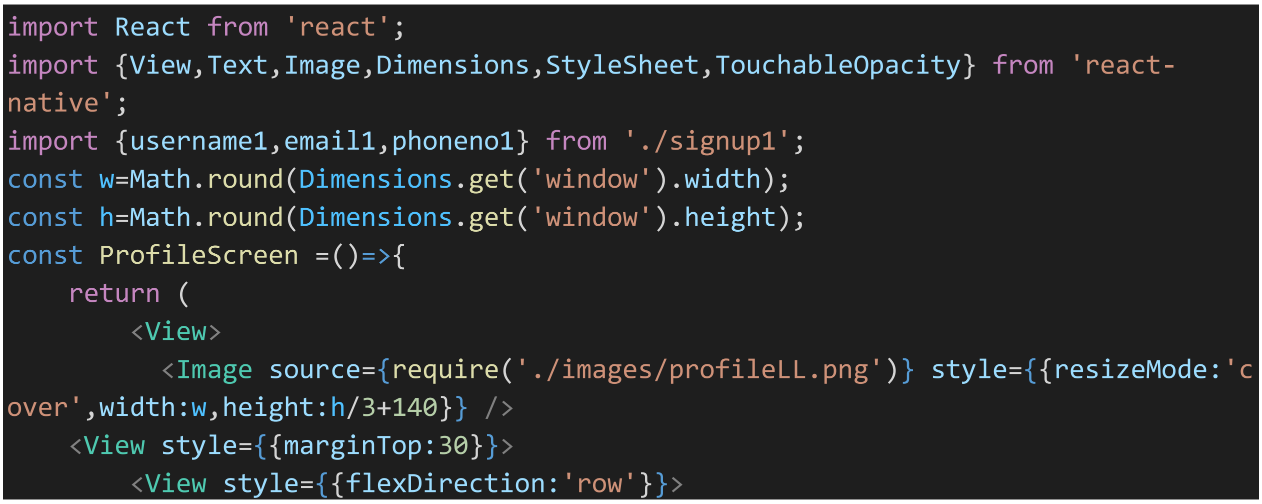


```
import React,{Component} from 'react';
import {StyleSheet,View,Text, Image} from 'react-native';
import { FlatList } from 'react-native-gesture-handler';
import {username2} from './loginScreen'
class List extends Component{
    constructor(props){
        super(props);
        this.state={
            dataPeople:[],
            isLoading:true,
            // username:'',
        };
    }
    componentDidMount=()=>{
        this.fetchItem()
    }
    fetchItem=()=>{
        fetch('http://192.168.43.167:8080/ppphp/ownership_chain_imagesearch.php',
{method:'POST',header:{
            'Accept': 'application/json',
            'Content-type': 'application/json'
        },
        body:JSON.stringify({
            username:username2,
        })
    }).then((response)=>response.json()).then((responseJson)=>{
        console.log(responseJson);
        this.setState({
            isLoading:false,
            dataPeople:responseJson.item
        });
    }).catch((error)=>{
        console.error(error)
    })
    };
    itemComponent=({item})=>{
        return(
            <View style={{flex:1,flexDirection:'row',marginBottom:3}}>
                <Image style={{width:80,height:80,margin:5}} source={{uri:item.ph
oto}}/>
```



```
                <View style={{flex:1,justifyContent:'center'}}>
                    <Text styel={{fontsize:18,color:'green',marginBottom:15}}>
                        {item.description}
                    </Text>
                    <Text styel={{fontsize:16,color:'red'}}>
                        {item.date_time}
                    </Text>
                </View>
            </View>
        )
    }
    seperatorComponent=()=>{
        return(
            <View style={{backgroundColor:'grey',height:0.5}}></View>
        )
    }
    render(){
        return(
            <FlatList
            data={this.state.dataPeople}
            renderItem={this.itemComponent}
            keyExtractor={(item,index)=>index.toString()}
            ItemSeparatorComponent={this.seperatorComponent}/>
        )
    }
}
export default List;
```

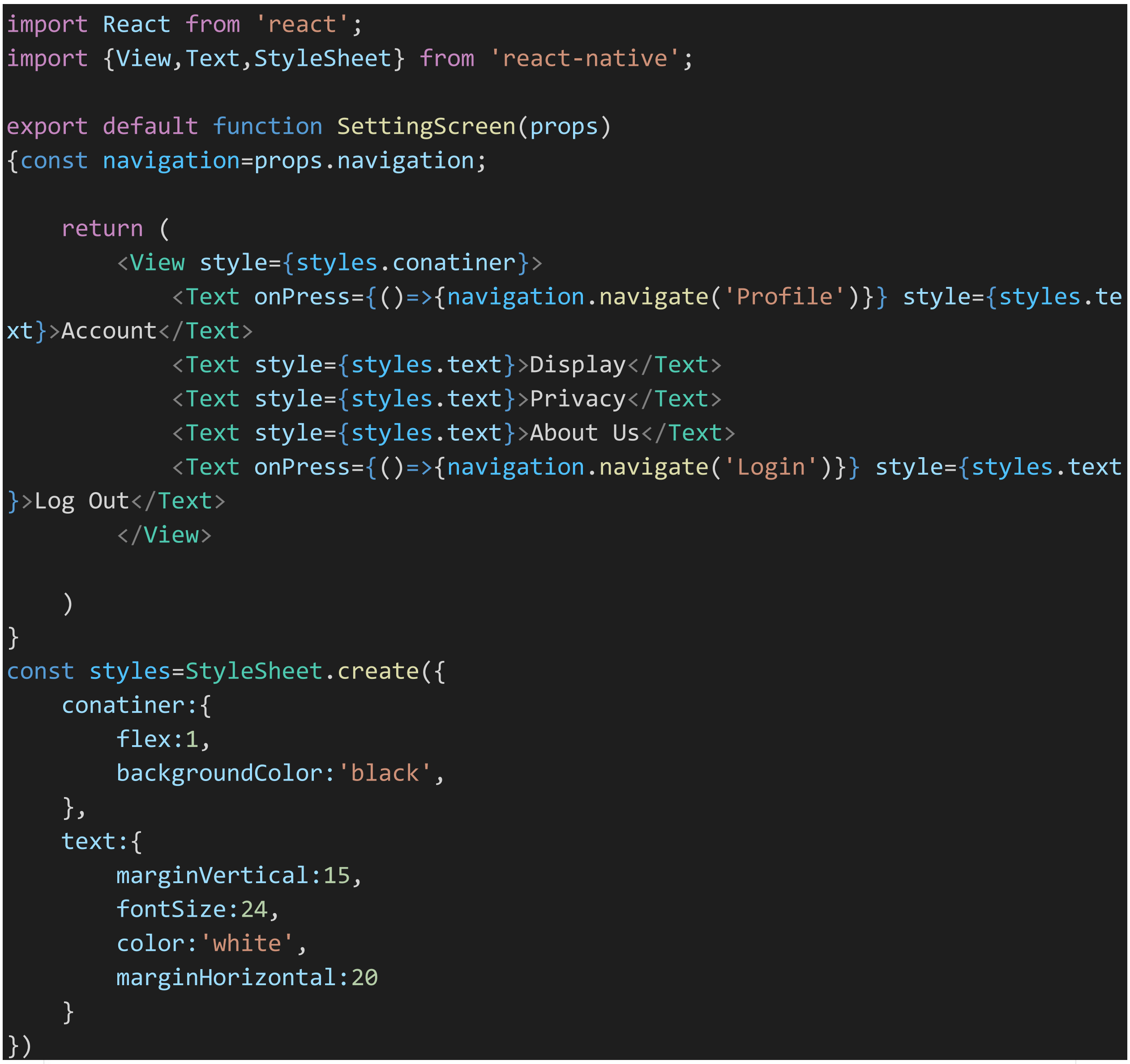
6. profileScreen.js-



```
import React from 'react';
import {View,Text,Image,Dimensions,StyleSheet,TouchableOpacity} from 'react-
native';
import {username1,email1,phoneno1} from './signup1';
const w=Math.round(Dimensions.get('window').width);
const h=Math.round(Dimensions.get('window').height);
const ProfileScreen =()=>{
    return (
        <View>
          <Image source={require('./images/profileLL.png')} style={{resizeMode:'c
over',width:w,height:h/3+140}} />
    <View style={{marginTop:30}}>
        <View style={{flexDirection:'row'}}>
```

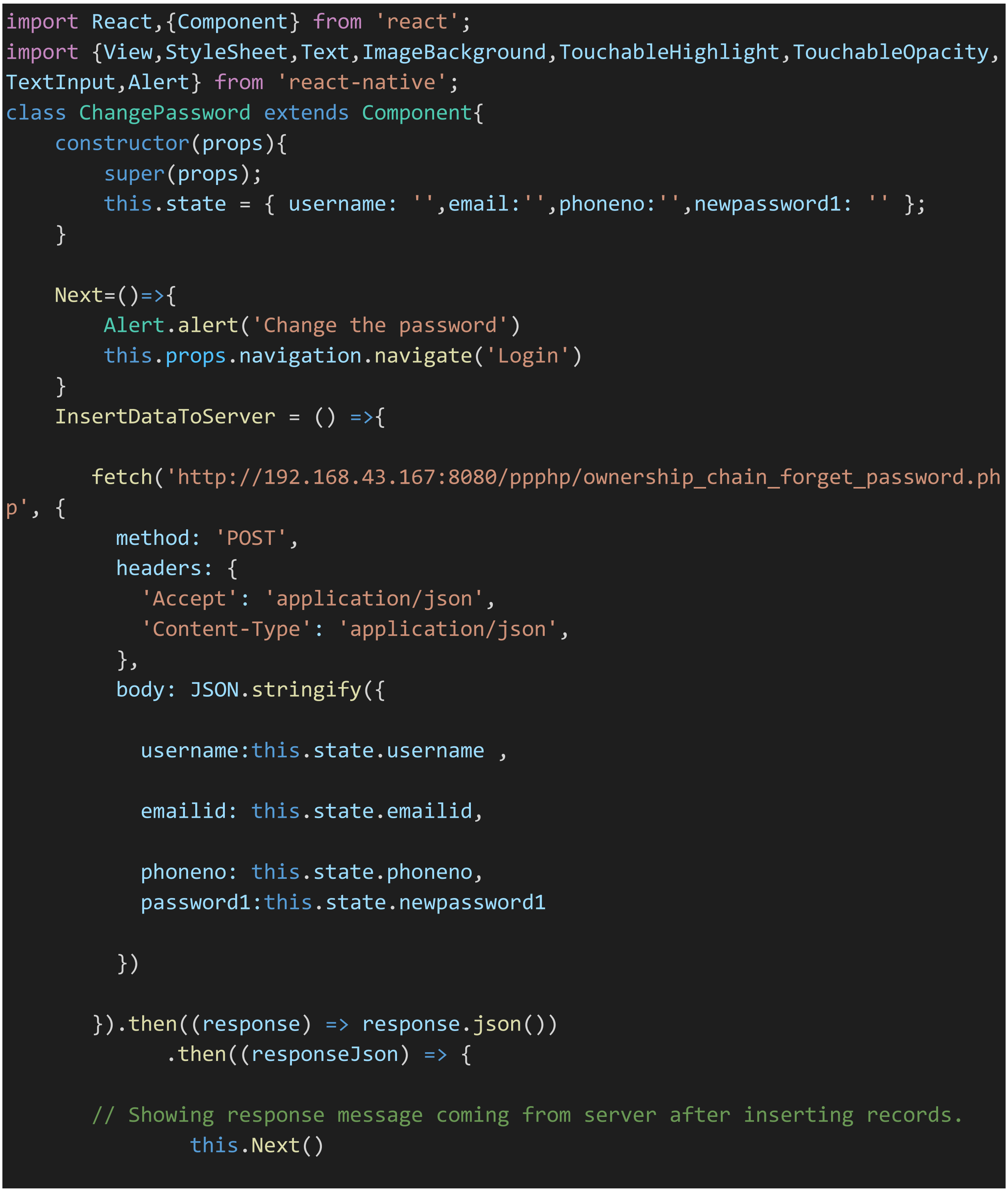
```
      <Text style={{flex:1,marginLeft:20,marginBottom:10,fontSize:20,fontWeight:'400'}}>Username</Text>
  <Text style={{flex:2,marginBottom:10,fontSize:18,fontWeight:'200'}}>{username1}</Text>
    </View>
    <View style={{flexDirection:'row',justifyContent:'space-around'}}>
      <Text style={{flex:1,marginLeft:20,marginBottom:10,fontSize:20,fontWeight:'400'}}>Email Id</Text>
  <Text style={{flex:2,marginBottom:10,fontSize:18,fontWeight:'200'}}>{email1}</Text>
    </View>
    <View style={{flexDirection:'row',justifyContent:'space-around'}}>
      <Text style={{flex:1,marginLeft:20,marginBottom:10,fontSize:20,fontWeight:'400'}}>Contact no.</Text>
  <Text style={{flex:2,marginBottom:10,fontSize:18,fontWeight:'200'}}>{phoneno1}</Text>
    </View>
    <View style = {styles.changeButton}>
    <TouchableOpacity activeOpacity={0.95} style={styles.button}>
           <Text style={styles.buttonText}
           >Edit</Text>
         </TouchableOpacity>
   </View>
  </View>
    </View>
  )

}
const styles=StyleSheet.create({
 button:{
  borderRadius:50,
  width:"35%",
  height:35,
  backgroundColor: "#6960EC",
  alignItems: "center",
  justifyContent: "center"
 },
 buttonText: {
  color: "white",
  fontWeight: "bold",
  padding: 8
 },
 changeButton: {
  alignItems: "center",

 },
})
export default ProfileScreen;
```

7. settingScreen.js-



```
import React from 'react';
import {View,Text,StyleSheet} from 'react-native';

export default function SettingScreen(props)
{const navigation=props.navigation;

    return (
        <View style={styles.conatiner}>
            <Text onPress={()=>{navigation.navigate('Profile')}} style={styles.te
xt}>Account</Text>
            <Text style={styles.text}>Display</Text>
            <Text style={styles.text}>Privacy</Text>
            <Text style={styles.text}>About Us</Text>
            <Text onPress={()=>{navigation.navigate('Login')}} style={styles.text
}>Log Out</Text>
        </View>

    )
}
const styles=StyleSheet.create({
    conatiner:{
        flex:1,
        backgroundColor:'black',
    },
    text:{
        marginVertical:15,
        fontSize:24,
        color:'white',
        marginHorizontal:20
    }
})
```

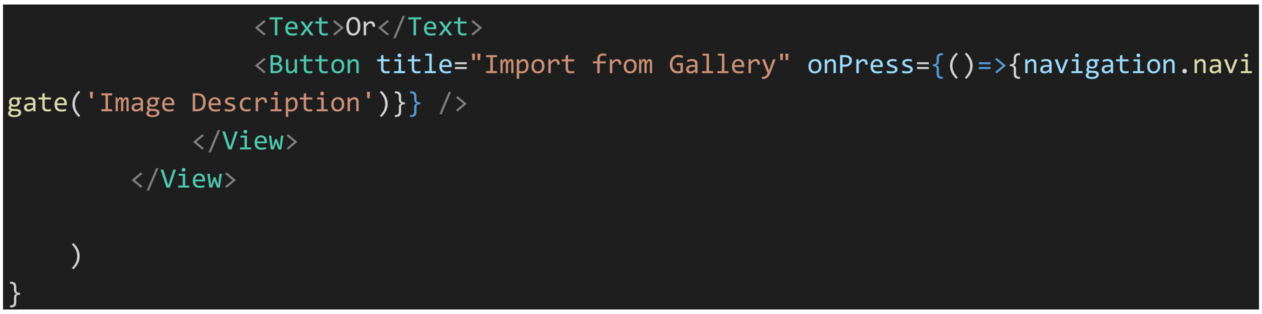
8. changePassword1.js-



```
import React,{Component} from 'react';
import {View,StyleSheet,Text,ImageBackground,TouchableHighlight,TouchableOpacity,
TextInput,Alert} from 'react-native';
class ChangePassword extends Component{
    constructor(props){
        super(props);
        this.state = { username: '',email:'',phoneno:'',newpassword1: '' };
    }

    Next=()=>{
        Alert.alert('Change the password')
        this.props.navigation.navigate('Login')
    }
    InsertDataToServer = () =>{

       fetch('http://192.168.43.167:8080/ppphp/ownership_chain_forget_password.ph
p', {
         method: 'POST',
         headers: {
           'Accept': 'application/json',
           'Content-Type': 'application/json',
         },
         body: JSON.stringify({

           username:this.state.username ,

           emailid: this.state.emailid,

           phoneno: this.state.phoneno,
           password1:this.state.newpassword1

         })

       }).then((response) => response.json())
             .then((responseJson) => {

       // Showing response message coming from server after inserting records.
               this.Next()
             }).catch((error) => {
               console.error(error);
             });


         }
    render(){
        return(
            <View style={styles.container}>
                <ImageBackground source={require('./images/Login.jpeg')} style={{
 flex: 1, justifyContent: 'center' }}>
                    <View style={{marginTop:'50%'}}>
                        <Text style={styles.label}>
                            Username
                        </Text>
                        <TextInput placeholder="Username" onChangeText={(value) =
> this.setState({ username: value })} style={styles.textInput} value={this.state.
username} />
                        <Text style={styles.label}>
                            Email ID
                        </Text>
                        <TextInput placeholder="Email Id" onChangeText={(value) =
> this.setState({ emailid: value })} style={styles.textInput} value={this.state.e
mailid} />
                        <Text style={styles.label}>
                            Phone no
                        </Text>
                        <TextInput placeholder="Phone no" onChangeText={(value) =
> this.setState({ phoneno: value })} style={styles.textInput} value={this.state.p
honeno} />
                        <Text style={styles.label}>
                            New Password
                        </Text>
                        <TextInput placeholder="New Password" onChangeText={(valu
e) => this.setState({ newpassword1: value })} style={styles.textInput} value={thi
s.state.newpassword1} />
                        <TouchableOpacity activeOpacity={0.7} style={{ paddingVer
tical: 10, backgroundColor: '#f5c6ee', marginLeft: 90, marginRight: 90, borderRad
ius: 10, marginTop: 30 }}>
                            <View>
                                <Text style={{ textAlign: 'center', color: 'blue'
, fontWeight: 'bold', fontSize: 20 }} onPress={this.InsertDataToServer}>
                                    Change
                        </Text>
                            </View>
                        </TouchableOpacity>
                    </View>
                </ImageBackground>
            </View>
        );
    }
}
export default ChangePassword;
const styles = StyleSheet.create({
    textInput: {
        marginLeft: 20,
        height: 30,
        borderBottomWidth: 1,
        marginRight: 20,
        borderBottomColor: 'blue',
    },
    label: {
        marginLeft: 20,
        fontSize: 20,
        color: 'blue',
        marginBottom: 5,
        marginTop: 13,

    },
    container: {
        flex: 1,
        justifyContent: 'center',
    },
    text: {
        color: 'blue',
        fontSize: 20
    }
})
```

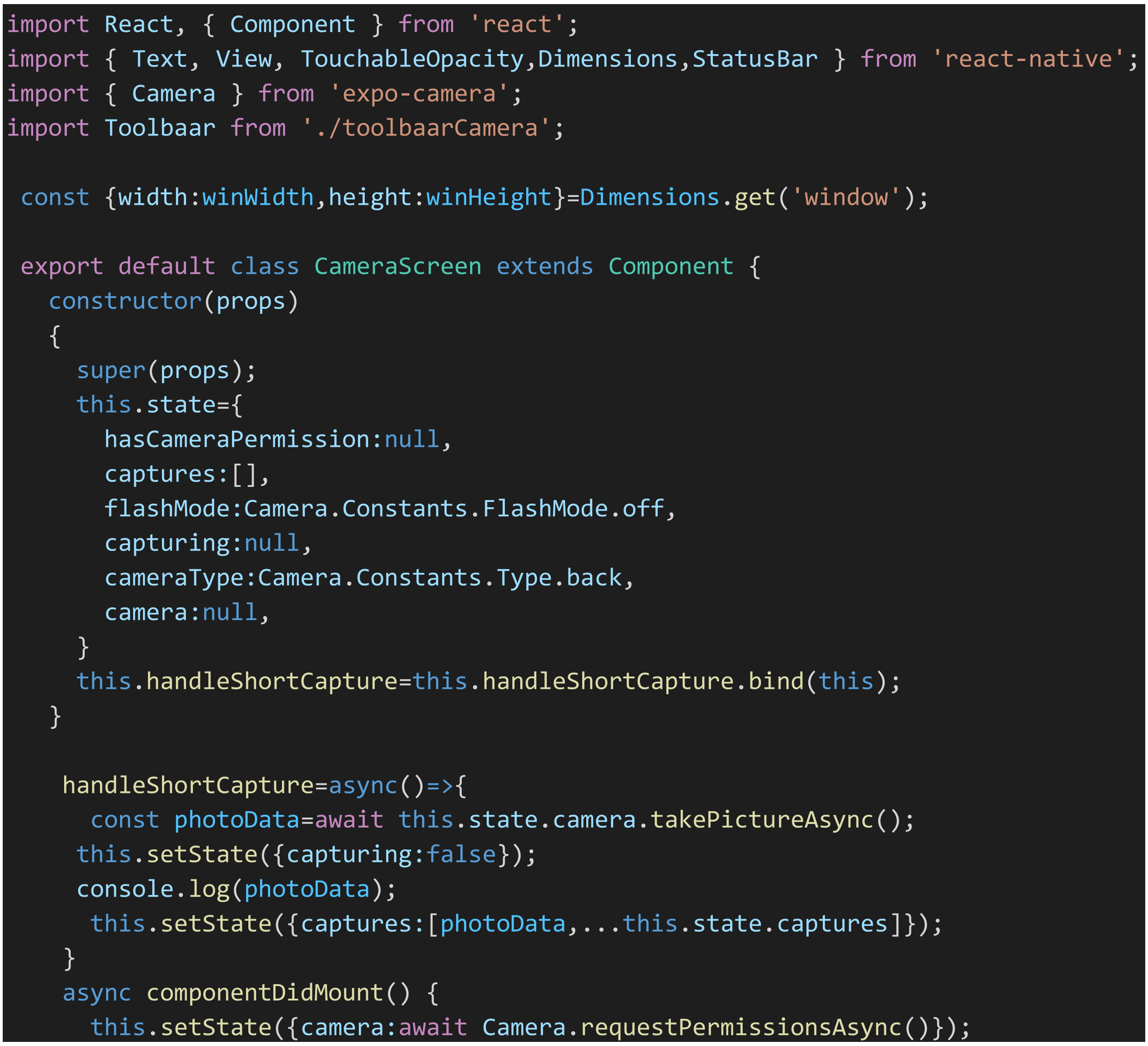
9. addImage.js-

```
import React from 'react';
import {View,Text, Button} from 'react-native';

export default function AddImage({navigation})
{
    return(
        <View style={{flex:1}}>
            <View>
            <Text>Adding Image </Text>
            </View>
            <View>
                <Button title="Camera" onPress={()=>{navigation.navigate('Add image using Camera')}} />
```

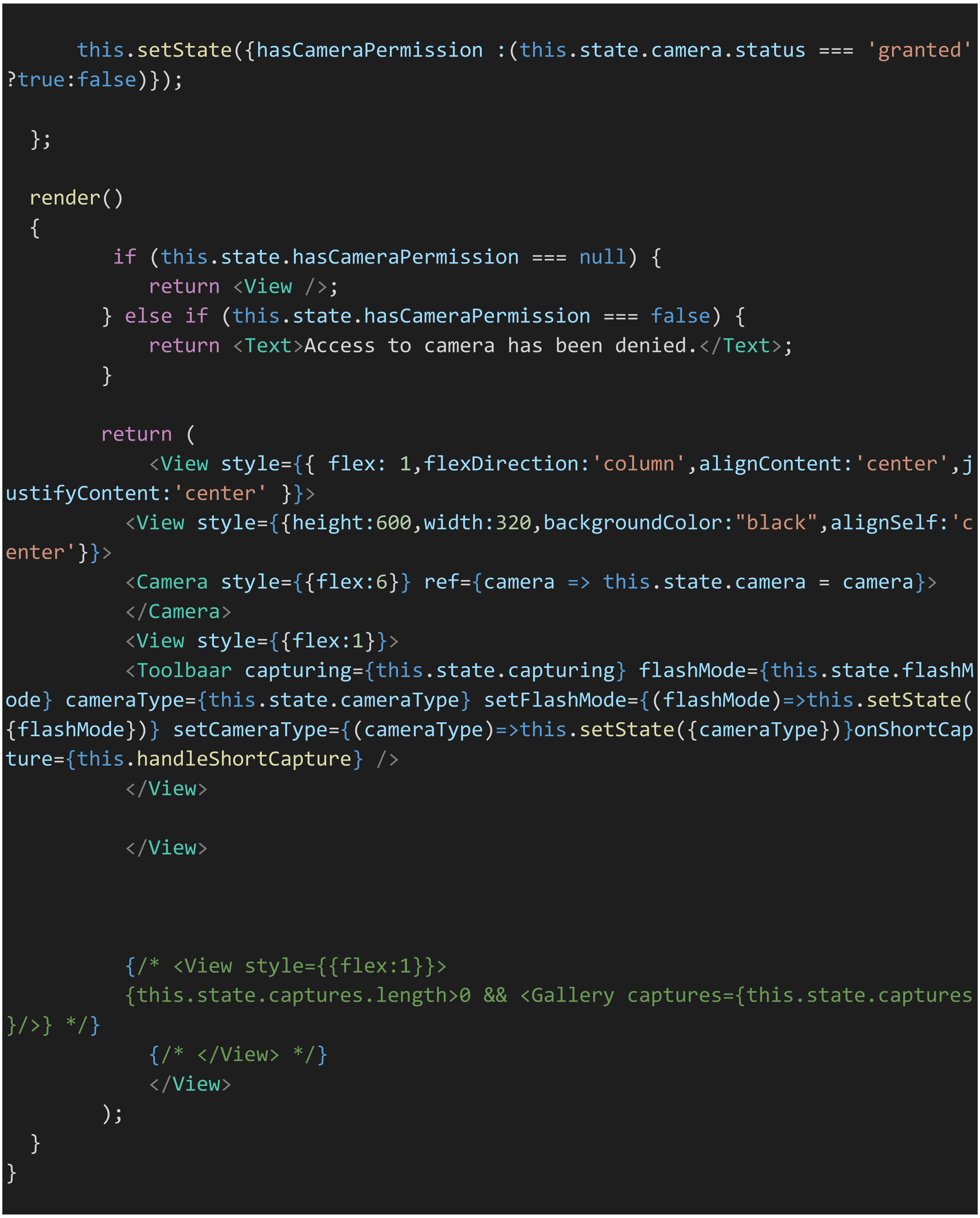


```
                <Text>Or</Text>
                <Button title="Import from Gallery" onPress={()=>{navigation.navigate('Image Description')}} />
            </View>
        </View>

    )
}
```

10. cameraScreen.js-

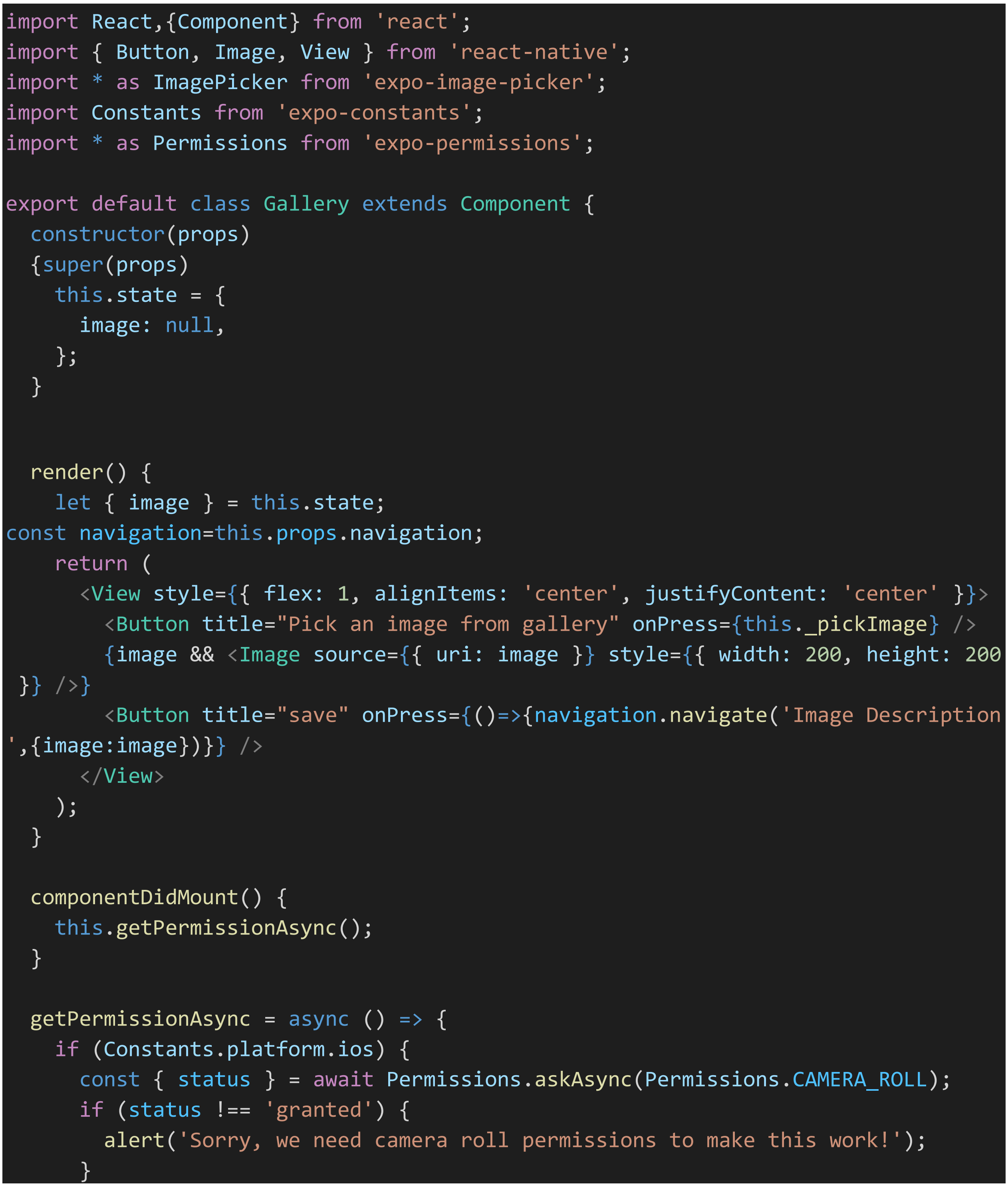


```
import React, { Component } from 'react';
import { Text, View, TouchableOpacity,Dimensions,StatusBar } from 'react-native';
import { Camera } from 'expo-camera';
import Toolbaar from './toolbaarCamera';

 const {width:winWidth,height:winHeight}=Dimensions.get('window');

 export default class CameraScreen extends Component {
   constructor(props)
   {
     super(props);
     this.state={
       hasCameraPermission:null,
       captures:[],
       flashMode:Camera.Constants.FlashMode.off,
       capturing:null,
       cameraType:Camera.Constants.Type.back,
       camera:null,
     }
     this.handleShortCapture=this.handleShortCapture.bind(this);
   }

    handleShortCapture=async()=>{
      const photoData=await this.state.camera.takePictureAsync();
     this.setState({capturing:false});
     console.log(photoData);
      this.setState({captures:[photoData,...this.state.captures]});
    }
    async componentDidMount() {
      this.setState({camera:await Camera.requestPermissionsAsync()});
```

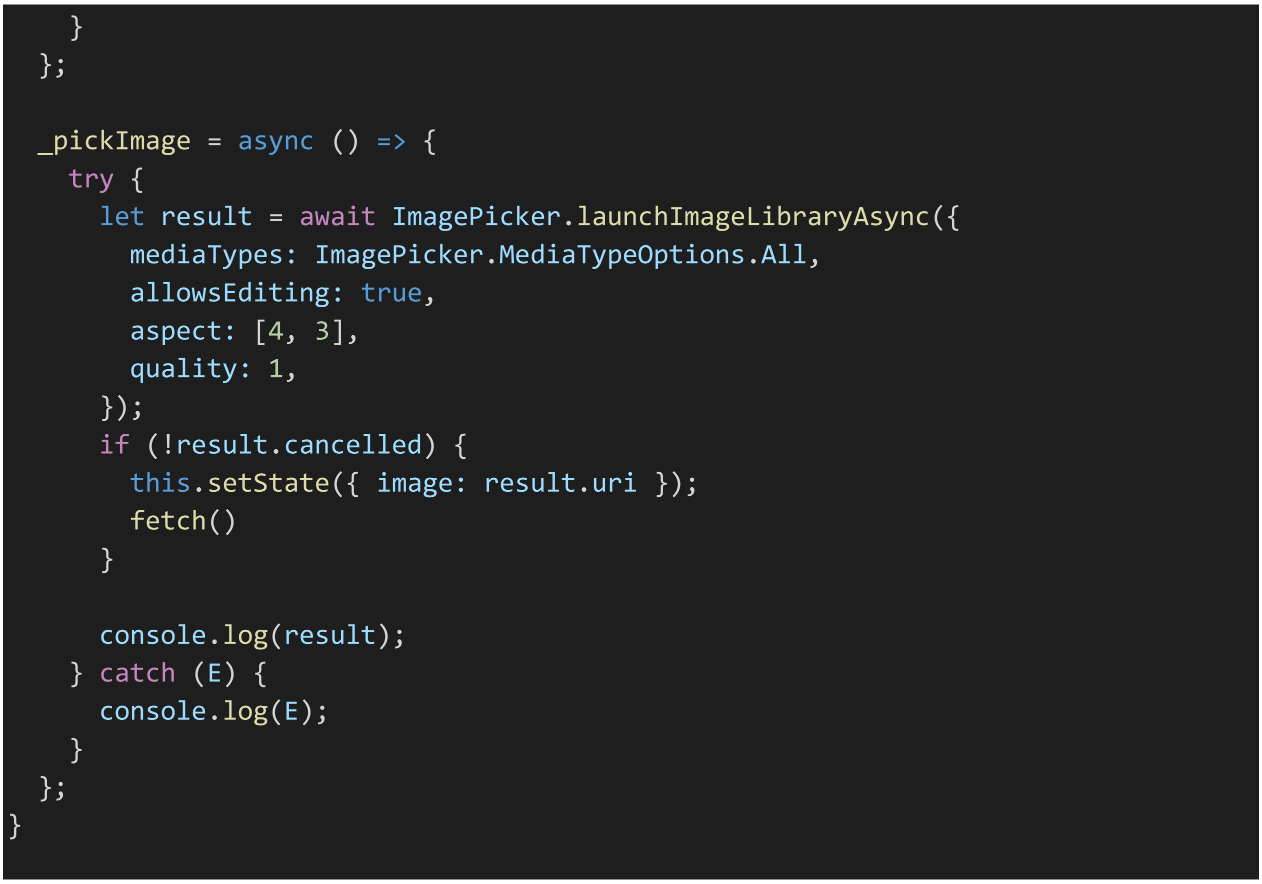


```
   this.setState({hasCameraPermission :(this.state.camera.status === 'granted'?true:false)});

 };

 render()
 {
    if (this.state.hasCameraPermission === null) {
      return <View />;
    } else if (this.state.hasCameraPermission === false) {
      return <Text>Access to camera has been denied.</Text>;
    }

    return (
      <View style={{ flex: 1,flexDirection:'column',alignContent:'center',justifyContent:'center' }}>
     <View style={{height:600,width:320,backgroundColor:"black",alignSelf:'center'}}>
     <Camera style={{flex:6}} ref={camera => this.state.camera = camera}>
     </Camera>
     <View style={{flex:1}}>
     <Toolbaar capturing={this.state.capturing} flashMode={this.state.flashMode} cameraType={this.state.cameraType} setFlashMode={(flashMode)=>this.setState({flashMode})} setCameraType={(cameraType)=>this.setState({cameraType})}onShortCapture={this.handleShortCapture} />
     </View>

     </View>



     {/* <View style={{flex:1}}>
     {this.state.captures.length>0 && <Gallery captures={this.state.captures}/>} */}
      {/* </View> */}
      </View>
    );
 }
}
```

11. gallery.js-

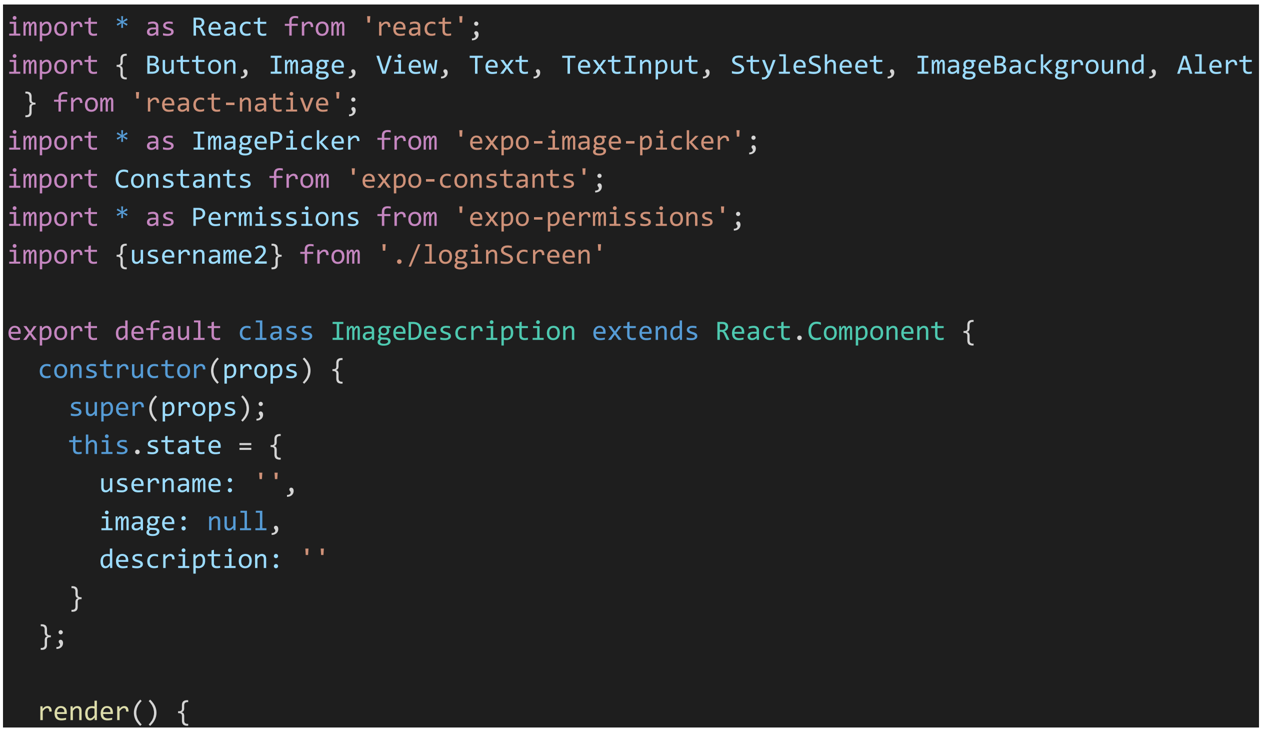


```
import React,{Component} from 'react';
import { Button, Image, View } from 'react-native';
import * as ImagePicker from 'expo-image-picker';
import Constants from 'expo-constants';
import * as Permissions from 'expo-permissions';

export default class Gallery extends Component {
  constructor(props)
  {super(props)
    this.state = {
      image: null,
    };
  }


  render() {
    let { image } = this.state;
const navigation=this.props.navigation;
    return (
      <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
        <Button title="Pick an image from gallery" onPress={this._pickImage} />
        {image && <Image source={{ uri: image }} style={{ width: 200, height: 200
 }} />}
        <Button title="save" onPress={()=>{navigation.navigate('Image Description
',{image:image})}} />
      </View>
    );
  }

  componentDidMount() {
    this.getPermissionAsync();
  }

  getPermissionAsync = async () => {
    if (Constants.platform.ios) {
      const { status } = await Permissions.askAsync(Permissions.CAMERA_ROLL);
      if (status !== 'granted') {
        alert('Sorry, we need camera roll permissions to make this work!');
      }
```



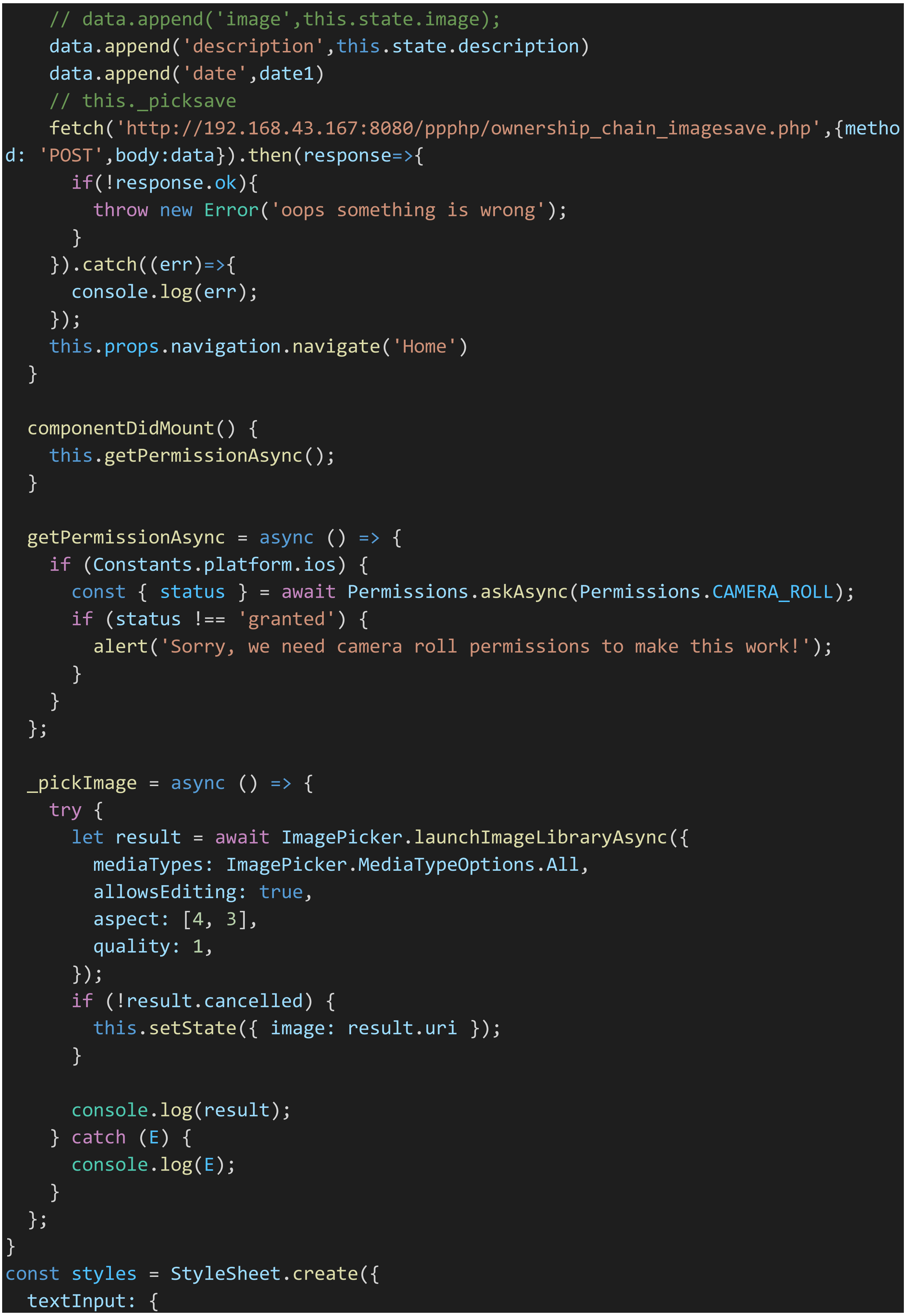
```
    }
  };

  _pickImage = async () => {
    try {
      let result = await ImagePicker.launchImageLibraryAsync({
        mediaTypes: ImagePicker.MediaTypeOptions.All,
        allowsEditing: true,
        aspect: [4, 3],
        quality: 1,
      });
      if (!result.cancelled) {
        this.setState({ image: result.uri });
        fetch()
      }

      console.log(result);
    } catch (E) {
      console.log(E);
    }
  };
}
```

12. imageDes.js-



```
import * as React from 'react';
import { Button, Image, View, Text, TextInput, StyleSheet, ImageBackground, Alert
 } from 'react-native';
import * as ImagePicker from 'expo-image-picker';
import Constants from 'expo-constants';
import * as Permissions from 'expo-permissions';
import {username2} from './loginScreen'

export default class ImageDescription extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      username: '',
      image: null,
      description: ''
    }
  };

  render() {
```

```
  let { image } = this.state;

  return (
   <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
    <ImageBackground source={require('./images/Login.jpeg')} style={{ flex: 1
, justifyContent: 'center',paddingLeft:70,paddingRight:70 }}>
     <View style={styles.container}>
      <Text style={styles.label}>
       Username
      </Text>
      <TextInput style={{marginLeft:30}} defaultValue={username2} editable=
{false} />
      <Text style={styles.label}>
       Description
      </Text>
      <TextInput placeholder="Description" onChangeText={(value) => this.se
tState({ description: value })} style={styles.textInput} value={this.state.passwo
rd} />
     </View>
     <Button title="Pick an image from gallery" onPress={this._pickImage}  /
>
     <Button title="Upload" onPress={this._pickupload} />
     {image && <Image source={{ uri: image }} style={{ width: 200, height: 2
00 }} />}
    </ImageBackground>
   </View>
  );
 }
 _pickupload = () => {
  this.state.username=username2
  var date = new Date().getDate(); //Current Date
  var month = new Date().getMonth() + 1; //Current Month
  var year = new Date().getFullYear(); //Current Year
  var hours = new Date().getHours(); //Current Hours
  var min = new Date().getMinutes(); //Current Minutes
  var sec = new Date().getSeconds(); //Current Seconds
  let date1=date + '/' + month + '/' + year + ' ' + hours + ':' + min + ':' + s
ec;
  let data=new FormData();
  data.append('username',this.state.username)
  let s=this.state.image;
  const uriPart = s.split('.');
  const fileExtension = uriPart[uriPart.length - 1];
  data.append('image', {
   uri: this.state.image,
   name: this.state.image+`.${fileExtension}`,
   type: `image/${fileExtension}`
  })
```

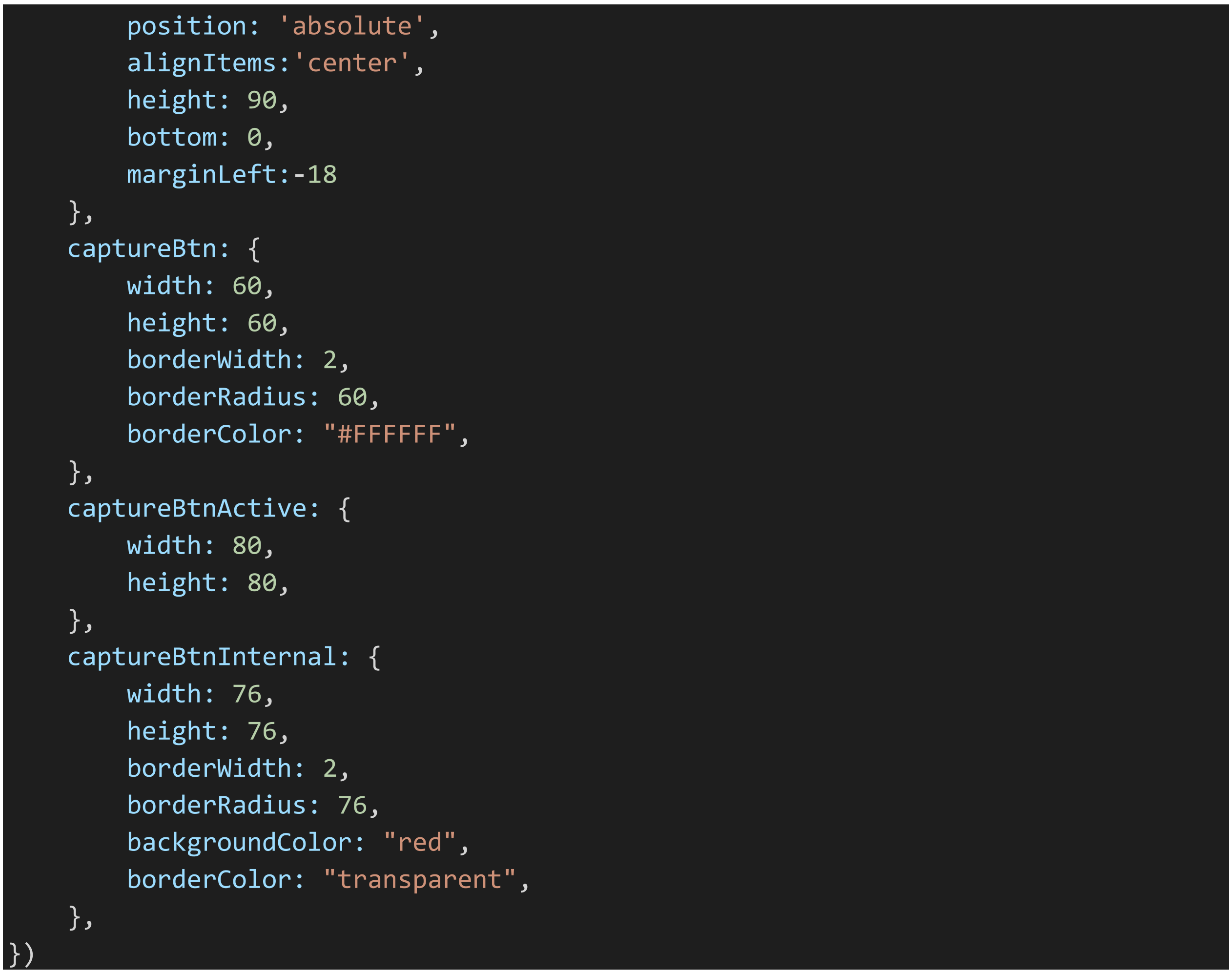


```
    // data.append('image',this.state.image);
    data.append('description',this.state.description)
    data.append('date',date1)
    // this._picksave
    fetch('http://192.168.43.167:8080/ppphp/ownership_chain_imagesave.php',{metho
d: 'POST',body:data}).then(response=>{
      if(!response.ok){
        throw new Error('oops something is wrong');
      }
    }).catch((err)=>{
      console.log(err);
    });
    this.props.navigation.navigate('Home')
  }

  componentDidMount() {
    this.getPermissionAsync();
  }

  getPermissionAsync = async () => {
    if (Constants.platform.ios) {
      const { status } = await Permissions.askAsync(Permissions.CAMERA_ROLL);
      if (status !== 'granted') {
        alert('Sorry, we need camera roll permissions to make this work!');
      }
    }
  };

  _pickImage = async () => {
    try {
      let result = await ImagePicker.launchImageLibraryAsync({
        mediaTypes: ImagePicker.MediaTypeOptions.All,
        allowsEditing: true,
        aspect: [4, 3],
        quality: 1,
      });
      if (!result.cancelled) {
        this.setState({ image: result.uri });
      }

      console.log(result);
    } catch (E) {
      console.log(E);
    }
  };
}
const styles = StyleSheet.create({
  textInput: {
    marginLeft: 20,
    height: 30,
    borderBottomWidth: 1,
    marginRight: 20,
    borderBottomColor: 'blue',
  },
  label: {
    marginLeft: 20,
    fontSize: 20,
    color: 'blue',
    marginBottom: 5,
    marginTop: 1,

  },
  container: {
    flex: 1,
    justifyContent: 'center',
  },
  text: {
    color: 'blue',
    fontSize: 20
  }
})
```

13. toolbarCamera.js-

```
import React,{useState} from 'react';
import { Camera } from 'expo-camera';
import { Ionicons } from '@expo/vector-icons';
import { Col, Row, Grid } from "react-native-easy-grid";
import { View, TouchableWithoutFeedback, TouchableOpacity,StyleSheet,Dimensions } from 'react-native';

const {width:winWidth,height:winHeight}=Dimensions.get('window');


export default function Toolbaar({capturing=false,cameraType=Camera.Constants.Type.back,flashMode=Camera.Constants.FlashMode.off,setFlashMode,setCameraType,onShortCapture})
{
    // const [Type,setCameraType]=useState(Camera.Constants.Type.back);
    // const [FlashMode,setFlashMode]=useState(Camera.Constants.FlashMode.off);
     return (
    <Grid style={styles.bottomToolbar}>
    <Row>
```

```
        <Col style={styles.alignCenter}>
            <TouchableOpacity onPress={() => setFlashMode(
                flashMode === Camera.Constants.FlashMode.off ? Camera.Constants.F
lashMode.on : Camera.Constants.FlashMode.on
            )}>
                <Ionicons
                    name={flashMode == Camera.Constants.FlashMode.on ? "md-
flash" : 'md-flash-off'}
                    color="white"
                    size={30}
                />
            </TouchableOpacity>
        </Col>
        <Col size={2} style={styles.alignCenter}>
            <TouchableWithoutFeedback
                onPress={onShortCapture}>
                <View style={[styles.captureBtn, capturing && styles.captureBtnAc
tive]}>
                    {capturing && <View style={styles.captureBtnInternal} />}
                </View>
            </TouchableWithoutFeedback>
        </Col>
        <Col style={styles.alignCenter}>
            <TouchableOpacity onPress={() => setCameraType(
                cameraType === Camera.Constants.Type.back ? Camera.Constants.Type
.front : Camera.Constants.Type.back
            )}>
                <Ionicons
                    name="md-reverse-camera"
                    color="white"
                    size={30}
                />
            </TouchableOpacity>
        </Col>
    </Row>
</Grid>

     )

}
const styles=StyleSheet.create({
    alignCenter: {
        flex: 1,
        alignItems: 'center',
        justifyContent: 'center',
    },
    bottomToolbar: {
        width: winWidth,
```



```
        position: 'absolute',
        alignItems:'center',
        height: 90,
        bottom: 0,
        marginLeft:-18
    },
    captureBtn: {
        width: 60,
        height: 60,
        borderWidth: 2,
        borderRadius: 60,
        borderColor: "#FFFFFF",
    },
    captureBtnActive: {
        width: 80,
        height: 80,
    },
    captureBtnInternal: {
        width: 76,
        height: 76,
        borderWidth: 2,
        borderRadius: 76,
        backgroundColor: "red",
        borderColor: "transparent",
    },
})
```

REFERENCES

- https://reactnative.dev/
- https://reactnavigation.org/