**Lab Assignment 1**

**Group Members:**

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URL:

<https://snack.expo.dev/@shaheershah079/labassignment1_usewindowdimensions_api>

**App.js**

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| --- |
| import React,{useState} from 'react';  import {View, StyleSheet, TouchableOpacity,Button,Text,TextInput, useWindowDimensions} from 'react-native';  import { List } from 'react-native-paper';  import CustomRadioButton from './RadioButton'  import CustomCheckButton from './CheckBox'  import CustomList from './list'  const App = () => {    const {height, width} = useWindowDimensions();      return (      <View style={{flexDiection:"column",margin:20}}>        <View style={{ flexDirection: width > height ? "row" :"column",margin:10}}>          <Text>Email  :  </Text>          <TextInput style={style.TextInputStyle1}/>          <Text style={{marginLeft:width>height?19:0}}>Name   :  </Text>          <TextInput style={style.TextInputStyle1}/>        </View>        <View style={{ flexDirection: width > height ? "row" :"column" ,margin:10}}>          <Text style={{marginTop:10}}>Gender :</Text>          <CustomRadioButton />          <Text style={{marginTop: width > height ?10:0 ,marginLeft: width > height ?135:0}}>Country :</Text>          <CustomList />        </View>           <View style={{ flexDirection: width > height ? "row" :"column"}}>            <View style={{ flexDirection: "column"}}>            <View style={{ flexDirection: width > height ? "row" :"column",margin:10 }}>             <Text style={{marginTop:10}}>Subjects : </Text>             <CustomCheckButton />            </View>          <View style={{ flexDirection: width > height ? "row" :"column",margin:10}}>              <Text style={{marginTop:width > height ? 30 : 0}}>Skils : </Text>              <TextInput style={[style.TextInputStyle2,{ height:100}]} multiline/>            </View>          </View>          <View style={{ flexDirection: "column"}}>            <View style={{ flexDirection: width > height ? "row" :"column",margin:10 }}>              <Text style={{marginTop:width > height ? 10 : 0,marginLeft: width > height ?66:0}}>Address : </Text>              <TextInput style={style.TextInputStyle1}/>            </View>            <View style={{ flexDirection: width > height ? "row" :"column",margin:10}}>             <TouchableOpacity style={[style.ButtonStyle,{marginTop:width > height ? 50 : 5 ,marginLeft:width > height ? 200 : 0 }]}>                <Text style={{color:"#ffffff",fontWeight:"bold"}}>Submit</Text>             </TouchableOpacity>            </View>          </View>        </View>      </View>    );  }  const style=StyleSheet.create(  {  TextInputStyle1:{    borderWidth:2,    width:265},  TextInputStyle2:{   borderWidth:2,   width:200  },  ButtonStyle:{  alignItems: 'center',  backgroundColor:'#2fa7ca',  width:80,  height:30,  justifyContent:"center",  borderRadius:5,  }  }  )  export default App; |

CheckBox.js

|  |
| --- |
| import react,{useState} from 'react'  import {View, Text,useWindowDimensions} from 'react-native';  import { Checkbox,TouchableRipple} from 'react-native-paper';  const CustomCheckButton=()=>{      const {height, width} = useWindowDimensions();    const [physics,setPhysics]=useState(false);    const [chemistry,setChemistry]=useState(false);    const [bio,setBio]=useState(false);    return(        <View style={{flexDirection:"row"}}>          <TouchableRipple onPress={() => setPhysics(!physics)} >            <Text>              <Checkbox  status={physics ? 'checked' : 'unchecked'} />              Phy            </Text>          </TouchableRipple>          <TouchableRipple onPress={() => setChemistry(!chemistry)} >            <Text>              <Checkbox  status={chemistry ? 'checked' : 'unchecked'} />              Chem            </Text>          </TouchableRipple>          <TouchableRipple onPress={() => setBio(!bio)} >            <Text>              <Checkbox  status={bio ? 'checked' : 'unchecked'} />              Bio            </Text>          </TouchableRipple>        </View>    )  }  export default CustomCheckButton; |

List.js

|  |
| --- |
| import react,{useState} from 'react'  import {View, Text,useWindowDimensions} from 'react-native';  import {List} from 'react-native-paper';  const CustomList=()=>{    const {height, width} = useWindowDimensions();    return(        <View >           <List.Accordion style={{width:270}}>            <List.Item title="Pakistan" />            <List.Item title="Indian" />            <List.Item title="Bangladesh" />          </List.Accordion>        </View>    )  }  export default CustomList; |

RadioButton.js

|  |
| --- |
| import react,{useState} from 'react'  import {View, Text,useWindowDimensions} from 'react-native';  import { RadioButton,TouchableRipple} from 'react-native-paper';  const CustomRadioButton=()=>{      const {height, width} = useWindowDimensions();    const [gender,setGender]=useState('');    return(        <View style={{flexDirection:"row"}}>          <TouchableRipple onPress={() => setGender('male')} >            <Text style={{paddingBottom:20}}>              <RadioButton status={gender === 'male' ? 'checked' : 'unchecked'}              onPress={() => setGender('male')} />              Male            </Text>          </TouchableRipple>          <TouchableRipple onPress={() => setGender('Female')} >            <Text>              <RadioButton value="second" status={gender === 'Female' ? 'checked' : 'unchecked'}               onPress={() => setGender('Female')} />              Female            </Text>          </TouchableRipple>        </View>    )  }  export default CustomRadioButton; |