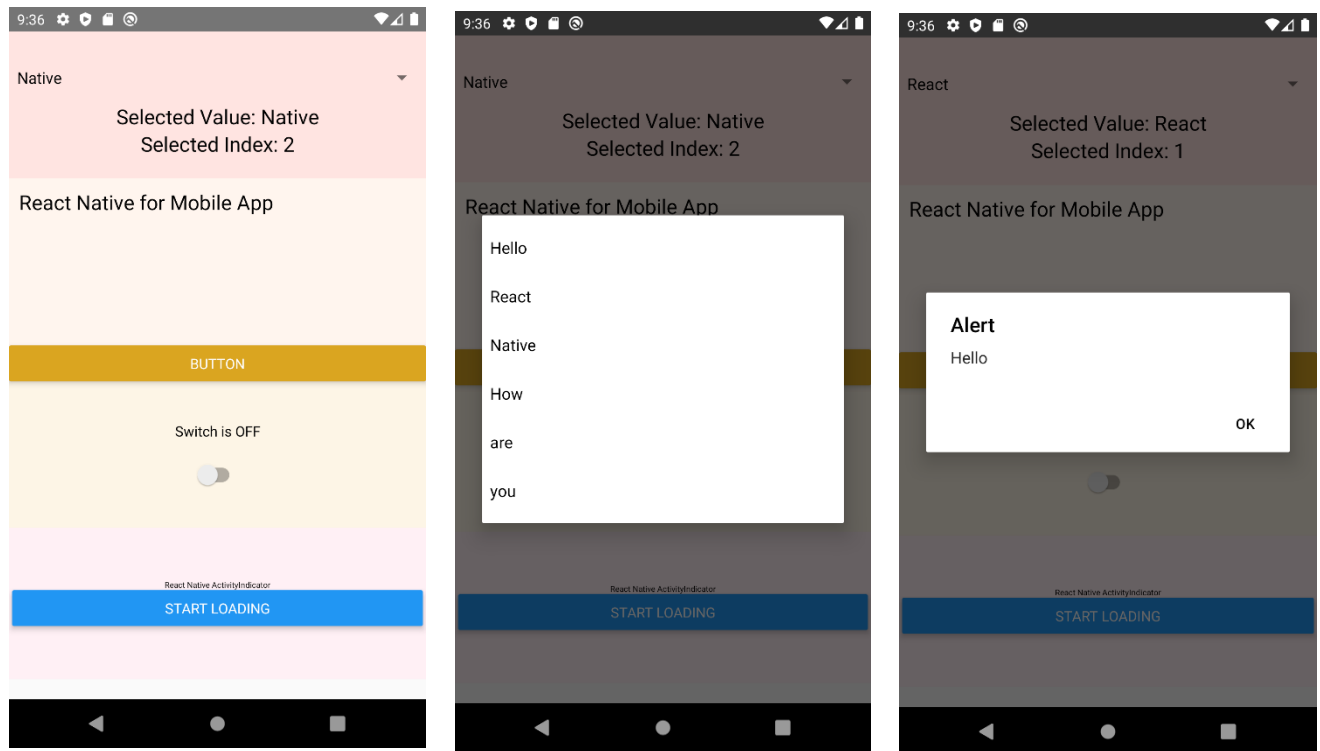


1. ให้นักศึกษาเกี่ยวกับหัวข้อดังต่อไปนี้ จาก URL ที่กำหนดให้ ในหัวข้อ ScrollView, Button, Picker, Switch, Activity Indicator. พร้อมเขียน Mobile App ที่มีการเรียกใช้ components ที่กำหนดให้บนหน้าจอ



```
//React Native Picker
//https://aboutreact.com/react-native-picker/

//import React in our code
import React, {useState} from 'react';

//import all the components we are going to use
import {ScrollView,Picker, View, Text, SafeAreaView, StyleSheet, Button, Switch,
  ActivityIndicator,} from 'react-native';

const App = () => {
  const [switchValue, setSwitchValue] = useState(false);

  const toggleSwitch = (value) => {
    //onValueChange of the switch this function will be called
    setSwitchValue(value);
    //state changes according to switch
  }
}
```

```

    //which will result in re-render the text
  };

  const [loading, setLoading] = useState(false);

  const startLoading = () => {
    setLoading(true);
    setTimeout(() => {
      setLoading(false);
    }, 3000);
  };

  const [choosenLabel, setChoosenLabel] = useState('Native');
  const [choosenIndex, setChoosenIndex] = useState('2');

  const onPressLearnMore = () => {
    //For generating alert on buttton click
    alert('Hello');
  }

  return (
    <SafeAreaView style={{ flex: 1 }}>
      <View style={pickers.container}>
        {/*Picker with multiple chose to choose*/}
        {/*selectedValue to set the preselected value if any*/}
        {/*onValueChange will help to handle the changes*/}
        <Picker
          selectedValue={choosenLabel}
          onValueChange={(itemValue, itemIndex) => {
            setChoosenLabel(itemValue);
            setChoosenIndex(itemIndex);
          }}>
          <Picker.Item label="Hello" value="Hello" />
          <Picker.Item label="React" value="React" />
          <Picker.Item label="Native" value="Native" />
          <Picker.Item label="How" value="How" />
          <Picker.Item label="are" value="are" />
          <Picker.Item label="you" value="you" />
        </Picker>
        {/*Text to show selected picker value*/}
        <Text style={pickers.text}>Selected Value: {choosenLabel}</Text>
        {/*Text to show selected index */}
        <Text style={pickers.text}>Selected Index: {choosenIndex}</Text>
      </View>

      <ScrollView style={styles.container}>

```

```

    <Text style={{ fontSize: 20 }}>
      React Native for Mobile App
    </Text>
  </ScrollView>

  { /* enclose all components in this View tag */}
  <View buttons={styles.container}>
    { /* Button with handler function named onPressLearnMore */}
    <Button
      onPress={onPressLearnMore}
      title="Button"
      color="#DAA520"
    />
  </View>

  <View style={switchs.container}>
    { /*Text to show the text according to switch condition*/}
    <Text>{switchValue ? 'Switch is ON' : 'Switch is OFF'}</Text>
    { /*Switch with value set in constructor*/}
    { /*onValueChange will be triggered after switch condition changes*/}
    <Switch
      style={{marginTop: 20}}
      onValueChange={toggleSwitch}
      value={switchValue}
    />
  </View>

  <View style={activityIndicator.container}>
    {loading ? (

      <ActivityIndicator
        //visibility of Overlay Loading Spinner
        visible={loading}
        //Text with the Spinner
        textContent={'Loading...'}
        //Text style of the Spinner Text
        textStyle={styles.spinnerTextStyle}
      />
    ) : (
      <>
        <Text style={{textAlign: 'center', fontSize: 8}}>
          React Native ActivityIndicator
        </Text>
        <Button title="Start Loading" onPress={startLoading}></Button>
      </>
    )}
  </View>

```

```

        </>
      })
    </View>
  </SafeAreaView>

);
};
const switches = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#FDF5E6',
  },
});
const pickers = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    flexDirection: 'column',
    backgroundColor: '#FFE4E1',
  },
  text: {
    fontSize: 20,
    alignSelf: 'center',
  },
});
const buttons = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center'
  }
});

const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 20,
    backgroundColor: '#FFF5EE',
    height: 200,
    padding: 10,
  },
});
const activityIndicator = StyleSheet.create({

```

```
container: {  
  flex: 1,  
  justifyContent: 'center',  
  textAlign: 'center',  
  paddingTop: 1,  
  backgroundColor: '#FFF0F5',  
  padding: 3,  
  height: 50,  
  marginBottom: 20,  
},  
spinnerTextStyle: {  
  color: '#FFF',  
},  
});  
export default App;
```