

LAB2 ScrollView, Button, Picker, Switch, Activity Indicator

```
import React, {useState} from 'react';

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

const App = () => {
  const [loading, setLoading] = useState(false);
  const startLoading = () => {
    setLoading(true);
    setTimeout(() => {
      setLoading(false);
    }, 3000);
  };
  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 onPressLearnMore = () => {
```

```

const onPressLearnMore = () => {
  //For generating alert on button click
  alert('Hello');
};
const [chosenLabel, setChosenLabel] = useState('Native');
const [chosenIndex, setChosenIndex] = useState('2');

return (
  <SafeAreaView style={{flex: 1}}>
    <View style={styles.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: 30}}
        onValueChange={toggleSwitch}
        value={switchValue}
      />
    </View>
    <View style={styles.container}>
      <Button onPress={onPressLearnMore} title="Click Me" color="#841584" />
    </View>

    <View style={styles.container}>
      {loading ? (
        <ActivityIndicator
          //visibility of Overlay Loading Spinner
          visible={loading}
          //Text with the Spinner
          textContent={'Loading...'}

```

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        textStyle={styles.spinnerTextStyle}
      />
    ) : (
      <>
        <Text style={{textAlign: 'center', fontSize: 20}}>
          React Native ActivityIndicator
        </Text>
        <Button title="Start Loading" onPress={startLoading}></Button>
      </>
    )
  }
</View>

<View style={styles.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={styles.text}>Selected Value: {choosenLabel}</Text>

```

```

    <Text style={styles.text}>Selected Index: {chosenIndex}</Text>
  </View>
  <ScrollView style={styles.container}>
    <Text style={{fontSize: 30}}>
      Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse
      vel tellus id dui iaculis porta. ... Add More Content .. Lorem ipsum
      dolor sit amet, consectetur adipiscing elit. Suspendisse vel tellus id
      dui iaculis porta. ... Add More Content .. Lorem ipsum dolor sit amet,
      consectetur adipiscing elit. Suspendisse vel tellus id dui iaculis
      porta. ... Add More Content .. Lorem ipsum dolor sit amet, consectetur
      adipiscing elit. Suspendisse vel tellus id dui iaculis porta. ... Add
      More Content ..
    </Text>
  </ScrollView>
</SafeAreaView>
);
};
const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 20,
    backgroundColor: '#ecf0f1',
  },
  container2: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
  },
  container3: {
    flex: 1,
    justifyContent: 'center',

```

```
container3: {  
  flex: 1,  
  justifyContent: 'center',  
  flexDirection: 'column',  
},  
text: {  
  fontSize: 20,  
  alignSelf: 'center',  
},  
container4: {  
  flex: 1,  
  justifyContent: 'center',  
  alignItems: 'center',  
},  
container5: {  
  flex: 1,  
  justifyContent: 'center',  
  textAlign: 'center',  
  paddingTop: 30,  
  backgroundColor: '#ecf0f1',  
  padding: 8,  
},  
spinnerTextStyle: {  
  color: '#FFFF',  
},  
});  
export default App;
```

23:38



Switch is ON



CLICK ME

React Native ActivityIndicator

START LOADING

Hello



Selected Value: Hello

Selected Index: 0

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Suspendisse vel tellus
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Add More Content ...

