

Lab No: 1	Android Application that uses GUI components, Font Size	Date: 31/08/2020 ABHISHEK SRIVASTAVA 19BCE10071
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Aim:

To develop a Simple Android Application that uses GUI components, Font size.

Procedure:

1. Create a new react-native app using expo (expo init my-list-app)
2. In the Terminal, cd into the project directory using (cd my-list-app/)
3. In the Terminal, start the App (expo start)
5. A Window will open in the browser (http://localhost:19006/)
6. It will take some time to build and load the project.
7. After completion it will look as shown below:

(This Application include:-

- > App.js
- > Two Components:-
 - > Magic.js
 - > Boxes.js

Code for App.js

```
import React, { useState } from "react";
import { StyleSheet, Text, View, Button } from "react-native";
import Boxes from "../src/Boxes";
import Magic from "../src/Magic";

export default function App() {
  const details = {
    name: "Abhishek Srivastava",
    reg: "19BCE10071",
  };
}
```

```

    course: "Mobile App Development",
    courseId: "CSE3001",
    faculty: "Dr. Satish Kumar L.",
  };

  const [display, setDisplay] = useState(false);
  const displayHandler = () => {
    setDisplay(!display);
  };

  return (
    <View style={styles.container}>
      <Text style={{ fontSize: 27 }}>Details App</Text>
      <View style={{ flex: 1, flexDirection: "row", marginTop: 40 }}>
        <View
          style={{ width: 250, height: 500, backgroundColor:
"powderblue" }}
        >
          <Boxes />
        </View>
        <View style={{ width: 250, height: 500, backgroundColor:
"skyblue" }}>
          {display && <Magic details={details} />}
        </View>
      </View>
      <Button title="Display Details" onPress={displayHandler} />
    </View>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#ffd",
    alignItems: "center",
    justifyContent: "center",
  },
});

```

App till Now: -

Details App

Name

Registration Number

Course

Course ID

Faculty

DISPLAY DETAILS

Code for Magic.js

```
import React, { useState, useEffect } from "react";
import { Text, View } from "react-native";

const Magic = ({ details }) => {
  return (
    <View
```

```
        style={{
          flex: 1,
          flexDirection: "column",
          justifyContent: "space-around",
          margin: 10,
        }}
      >
        <Text style={{ fontSize: 17 }}>{details.name}</Text>
        <Text style={{ fontSize: 17 }}>{details.reg}</Text>
        <Text style={{ fontSize: 17 }}>{details.course}</Text>
        <Text style={{ fontSize: 17 }}>{details.courseId}</Text>
        <Text style={{ fontSize: 17 }}>{details.faculty}</Text>
      </View>
    );
  };

export default Magic;
```

Final App:

Details App

Name	Abhishek Srivastava
Registration Number	19BCE10071
Course	Mobile App Development
Course ID	CSE3002 - C21 + C22 + TC2
Faculty	Dr. Sathish kumar L

DISPLAY DETAILS

Project Files:-

[GitHub Link](#)

[Video of Working Project](#)

THANKYOU

ABHISHEK SRIVASTAVA
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