



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino delas Alas Campus
Indang, Cavite0

DCIT 26 – Application Development and Emerging Technologies
Laboratory Manual

Name: Jazmin Jay G. Maceo

Course/Yr./Sec.: BSCS 3-4

Student No.: 202304430

Date:

Laboratory Activity #2
View and Text Components

Laboratory Grading Rubric			
Criteria	Definition	Points	Score
Discussion	Student was able to follow directions given in activity	20	
Coding Skills	Student was able to develop a React Native application	30	
Scientific Understanding	Student demonstrated clear understanding of the concept behind React Native	30	
Class Participation	Attendance and participation in class discussion	20	
Total		100	

Objective:

At the end of this laboratory activity, the students are expected to:

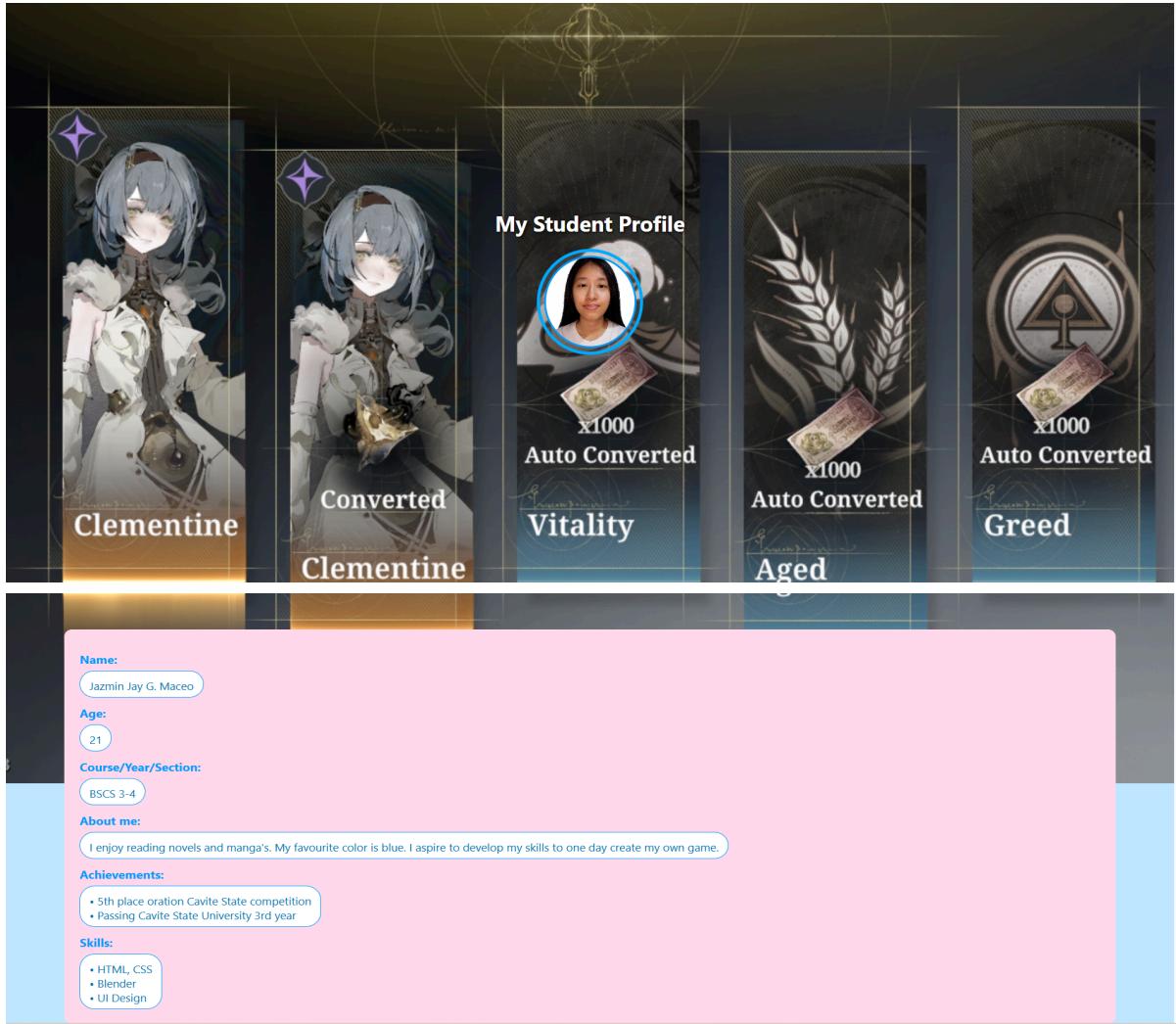
1. Familiarize with the React Native environment;
2. Learn the JavaScript syntax;
3. Use View and Text components; and
4. Gain knowledge of the basics of React Native.

Instructions:

1. Go to <https://snack.expo.io> then **login** (create an account if you don't have one yet).
2. In your **App.js** file, use the **View** and **Text** components to display a simple "**Student Profile**" with the following details:
 - o Name:
 - o Age:
 - o Course/Year/Section:
 - o About me:
 - o Achievements:
 - o Skills:
3. **Explore and make your own design.**
 - o Customize your layout, font styles, background colors, and overall appearance.
 - o Be creative and make your profile unique.
4. Preview your work using Snack Expo's simulator.
5. **Take a screenshot** of your output and save it as **Surname_Lab2_Output1.png** or compress in pdf file all the outputs.
6. Upload your project to **GitHub** following these steps:
 - o Create a new branch named **Surname_lab2-branch**.
 - o Upload your Snack Expo code files to this branch.
 - o Add a tag named **Laboratory2** to mark your first version of the code. Then attached the screenshot file (**Surname_Lab2_Output1.png** or **Surname_Lab2_Output.pdf**).
 - o Include the screenshot of your output in the repository.
7. Submit your work by providing the following through a private comment in Google Classroom:
 - o The GitHub repository link (with branch and tag)
 - o The Snack Expo project link
8. Submit your **Lab Manual** (in PDF or DOCX format) with the attached screenshot of your output in Google Classroom.)

Expected Output:

A personalized React Native "Student Profile" app displayed on Snack Expo, showing all required details with your own custom design.



Code:

Maceo_Lab2 ⓘ
All changes saved 9 minutes ago. [See previous saves.](#) ✓

Open files

- App.js
- assets
- AssetExample.js
- components
- package.json
- README.md

```

1 import { View, Text, StyleSheet, ScrollView, Image, ImageBackground } from 'react-native';
2
3 export default function App() {
4   return (
5     <ScrollView contentContainerStyle={styles.container}>
6       <ImageBackground
7         source={require('../assets/luckypull.jpg')}
8         style={styles.topBackground}
9         imageStyle={styles.spaceImage}
10    >
11      <Text style={styles.header}>My Student Profile</Text>
12
13      <View style={styles.imageFrame}>
14        <Image
15          source={require('../assets/photoID.png')}
16          style={styles.profileImage}
17        />
18      </View>
19    </ImageBackground>
20
21    <View style={styles.infoBox}>
22      <Text style={styles.title}>Name:</Text>
23      <View style={styles.stuffContainer}>
24        <Text style={styles.under}>Jazmin Jay G. Maceo</Text>
25      </View>
26
27      <Text style={styles.title}>Age:</Text>
28      <View style={styles.stuffContainer}>
29        <Text style={styles.under}>21</Text>
30      </View>
31
32    </View>

```

Project

- assets
- luckypull.jpg
- photoID.png
- snack-icon.png

Expo Docs Saved Download Share Device Android iOS Web

My Student Profile

Name: Jazmin Jay G. Maceo

Age: 21

Course/Year/Section: BSCS 3-4

About me: I enjoy reading novels and manga's. My favourite color is blue. I aspire to develop my skills to one day create my own game.

```

33     <Text style={styles.title}>Course/Year/Section:</Text>
34     <View style={styles.stuffcontainer}>
35       <Text style={styles.under}>BSCS 3-4</Text>
36     </View>
37
38     <Text style={styles.title}>About me:</Text>
39     <View style={styles.stuffcontainer}>
40       <Text style={styles.under}>
41         I enjoy reading novels and manga's. My favourite color is blue. I aspire to develop my skills to one
42         day create my own game.
43       </Text>
44     </View>
45
46     <Text style={styles.title}>Achievements:</Text>
47     <View style={styles.stuffcontainer}>
48       <Text style={styles.under}>
49         • 5th place oration Cavite State competition("\n")
50         • Passing Cavite State University 3rd year{("\n"}
51       </Text>
52     </View>
53
54     <Text style={styles.title}>Skills:</Text>
55     <View style={styles.stuffcontainer}>
56       <Text style={styles.under}>
57         • HTML, CSS{("\n")
58         • Blender{("\n"}
59         • UI Design
60       </Text>
61     </View>
62   </View>
63 </ScrollView>
64 );

```

```

66 const styles = StyleSheet.create({
67   container: {
68     flexGrow: 1,
69     backgroundColor: '#feffff',
70     alignItems: 'center',
71   },
72
73   topBackground: {
74     width: '100%',
75     aspectRatio: 1.8,
76     alignItems: 'center',
77     justifyContent: 'center',
78   },
79
80   spaceImage: {
81     resizeMode: 'cover',
82   },
83
84   header: {
85     fontsize: 28,
86     fontWeight: 'bold',
87     marginBottom: 15,
88     color: '#ffff',
89     textShadowColor: '#000',
90     textShadowOffset: { width: 1, height: 1 },
91     textShadowRadius: 4,
92   },
93
94   imageFrame: {
95     borderwidth: 4,
96     borderColor: '#00aaff',
97     borderRadius: 80,

```

```

98   padding: 5,
99   backgroundColor: 'rgba(255,255,255,0.1)',
100 },
101
102   profileImage: {
103     width: 120,
104     height: 120,
105     borderRadius: 60,
106     borderwidth: 3,
107     borderColor: '#000dff',
108   },
109
110   infoBox: {
111     backgroundColor: '#ffdaed',
112     borderRadius: 10,
113     padding: 20,
114     marginTop: 20,
115     width: '90%',
116     elevation: 3,
117   },
118
119   stuffcontainer: {
120     backgroundColor: '#ffff',
121     borderwidth: 1.5,
122     borderColor: '#000dff',
123     borderRadius: 20,
124     paddingVertical: 6,
125     paddingHorizontal: 12,
126     marginTop: 6,
127     alignSelf: 'flex-start',
128   },
129
130   title: {
131     fontWeight: 'bold',
132     fontsize: 16,
133     color: '#000dff',
134     marginTop: 10,
135   },
136
137   under: {
138     fontsize: 15,
139     color: '#0007b6',
140     marginTop: 4,
141   },
142 });
143
144

```