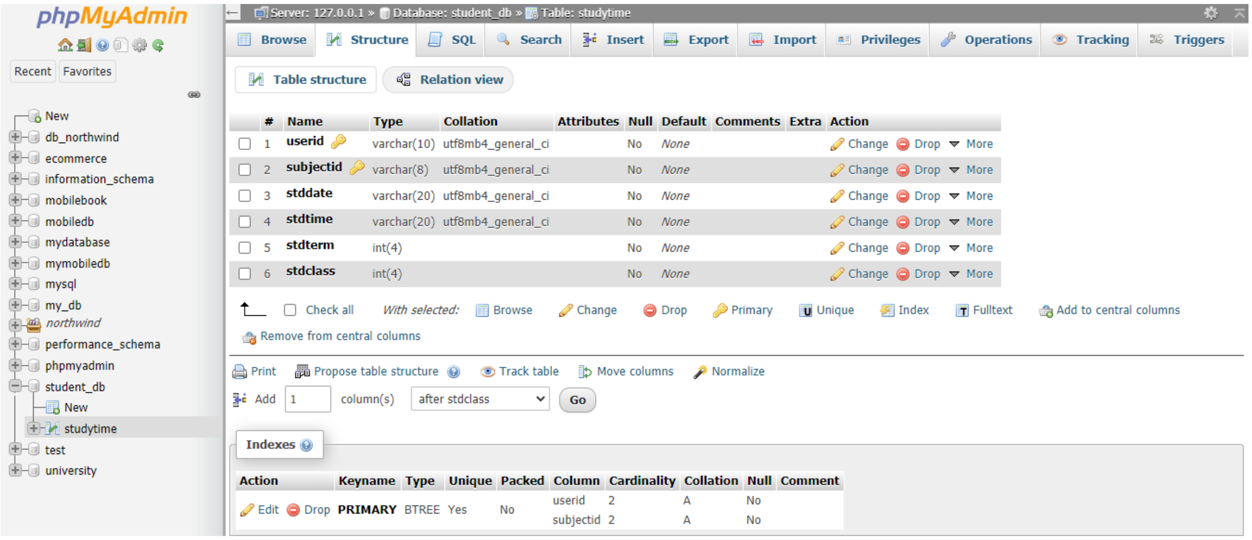
สร้างฐานข้อมูลและตารางในส่วนที่ PO หมอบหมาย



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	userid	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
2	subjectid	varchar(8)	utf8mb4_general_ci		No	None			Change Drop More
3	stddate	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
4	stdtime	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
5	stdterm	int(4)			No	None			Change Drop More
6	stdclass	int(4)			No	None			Change Drop More

Add 1 column(s) after stdclass

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	userid	2	A	No	
					subjectid	2	A	No	

PHP Files

DBConfig.php

```
<?php

//Define your host here.
$HostName = "localhost";

//Define your database name here.
$DatabaseName = "student_db";

//Define your database username here.
$HostUser = "react";

//Define your database password here.
$HostPass = "123456";

?>
```

InsertStudentData.php

```php
<?php

// Importing DBConfig.php file.
include 'DBConfig.php';

// Connecting to MySQL Database.
 $con = mysqli_connect($HostName,$HostUser,$HostPass,$DatabaseName);

 // Getting the received JSON into $json variable.
 $json = file_get_contents('php://input');

 // decoding the received JSON and store into $obj variable.
 $obj = json_decode($json,true);

 // Populate Student name from JSON $obj array and store into $S_Userid.
 $S_Userid = $obj['userid'];

 // Populate Student Class from JSON $obj array and store into $S_Subjectid.
 $S_Subjectid = $obj['subjectid'];

 // Populate Student Phone Number from JSON $obj array and store into $S_Stddate.
 $S_Stddate = $obj['stddate'];

 // Populate Email from JSON $obj array and store into $S_Stdtime.
 $S_Stdtime = $obj['stdtime'];

 // Populate Email from JSON $obj array and store into $S_Stdterm.
 $S_Stdterm = $obj['stdterm'];

 // Populate Email from JSON $obj array and store into $S_Stdclass.
 $S_Stdclass = $obj['stdclass'];


 // Creating SQL query and insert the record into MySQL database table.
 $Sql_Query = "insert into studytime (userid,subjectid,stddate,stdtime,stdterm,stdclass) values ('$S_Userid','$S_Subjectid','$S_Stddate','$S_Stdtime','$S_Stdterm','$S_Stdclass')";


 if(mysqli_query($con,$Sql_Query)){

 // If the record inserted successfully then show the message.
$MSG = 'Record Successfully Inserted Into MySQL Database.' ;

// Converting the message into JSON format.
$json = json_encode($MSG);

// Echo the message.
 echo $json ;

 }
 else{

 echo 'Try Again';

 }
 mysqli_close($con);
?>
```

ShowAllStudentsList.php

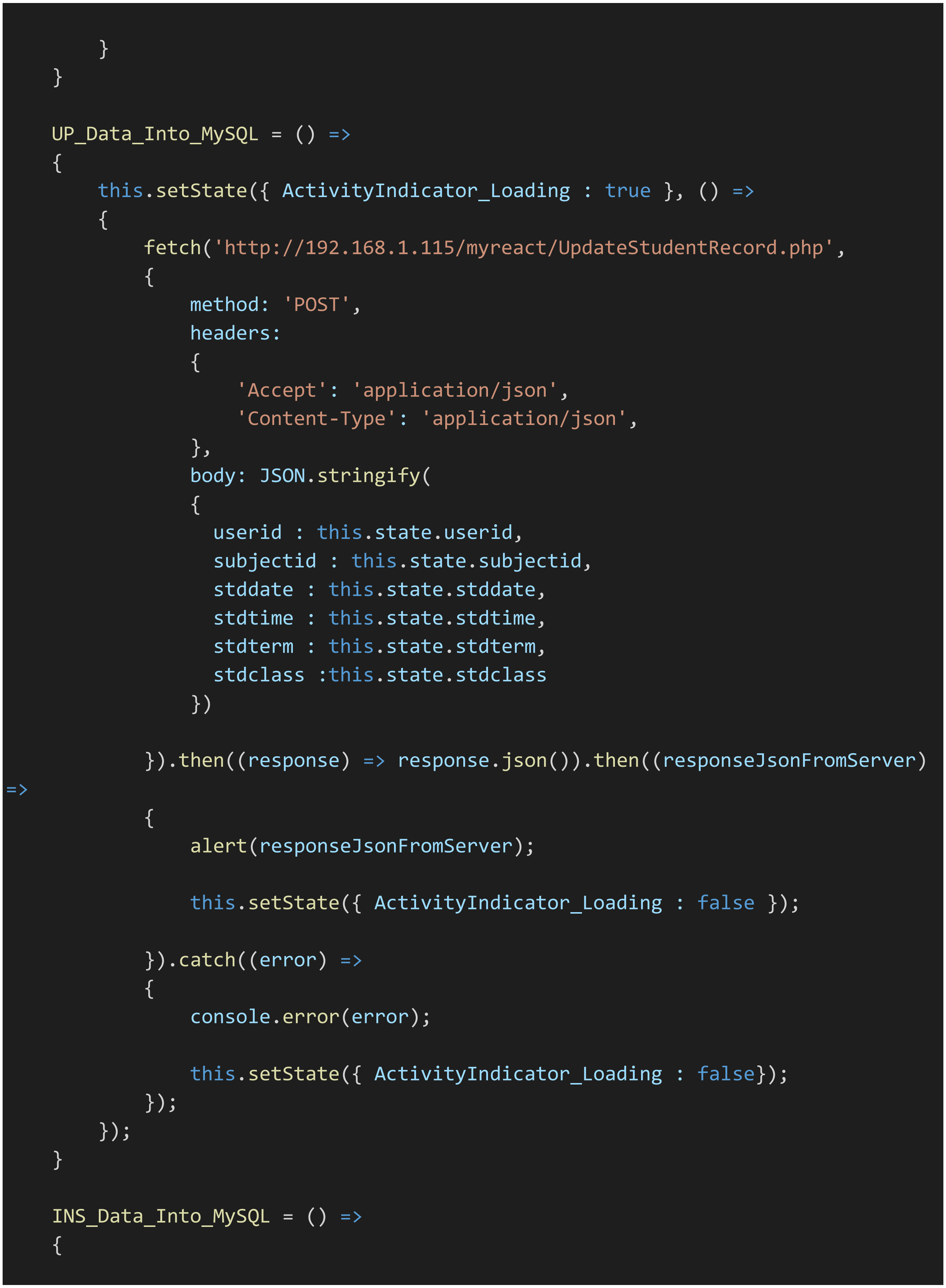
```php
<?php
include 'DBConfig.php';

// Create connection
$conn = new mysqli($HostName, $HostUser, $HostPass, $DatabaseName);

if ($conn->connect_error) {

 die("Connection failed: " . $conn->connect_error);
}

// Creating SQL command to fetch all records from Table.
$sql = "SELECT * FROM studytime";

$result = $conn->query($sql);

if ($result->num_rows >0) {


 while($row[] = $result->fetch_assoc()) {

 $item = $row;

 $json = json_encode($item);

 }
} else {
 echo "No Results Found.";
}
 echo $json;
$conn->close();
?>
```

UpdateStudentRecord.php

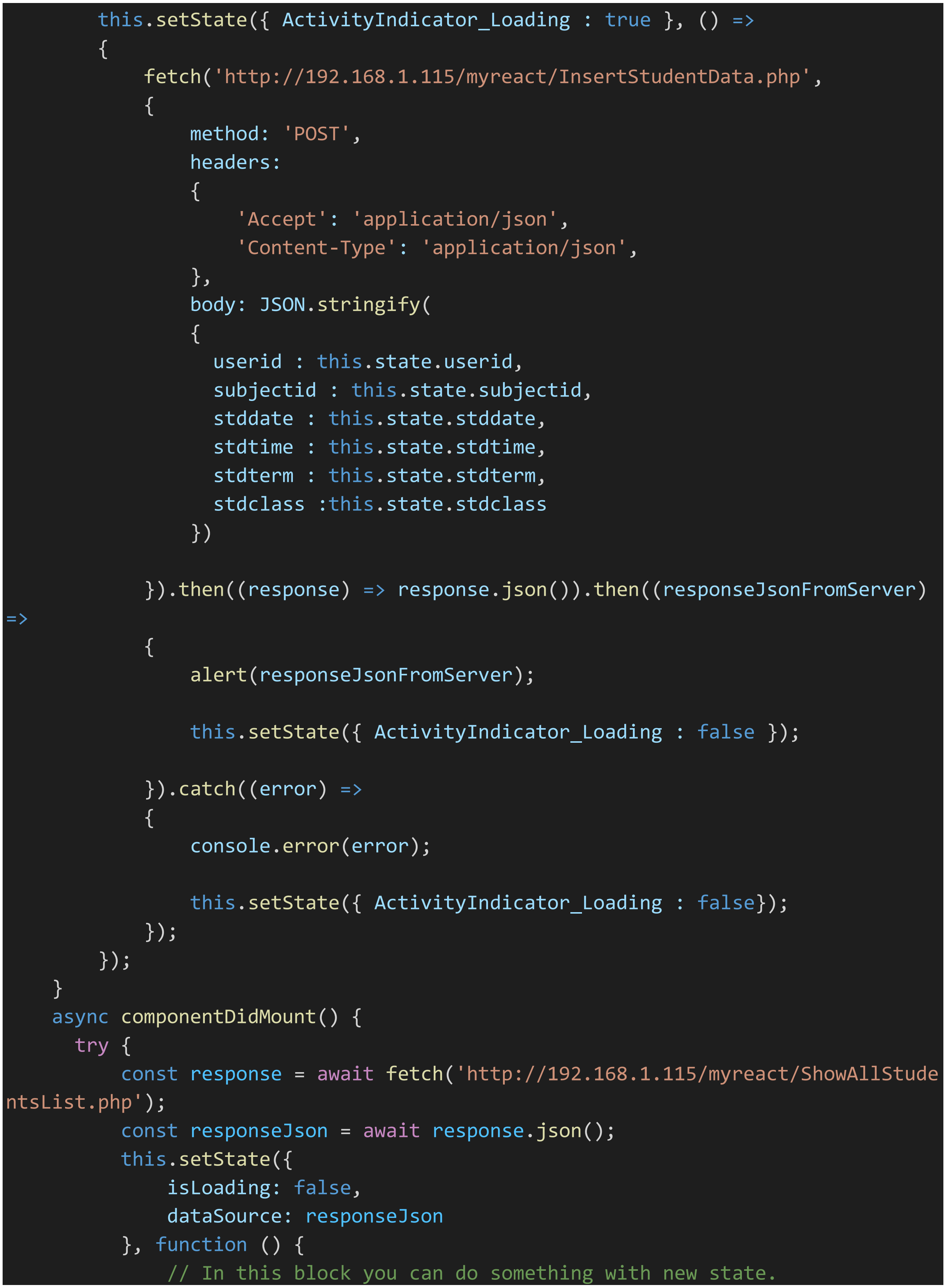
```
<?php

// Importing DBConfig.php file.
include 'DBConfig.php';

// Connecting to MySQL Database.
 $con = mysqli_connect($HostName,$HostUser,$HostPass,$DatabaseName);

 // Getting the received JSON into $json variable.
 $json = file_get_contents('php://input');

 // decoding the received JSON and store into $obj variable.
 $obj = json_decode($json,true);

 // Populate Student name from JSON $obj array and store into $S_Userid.
 $S_Userid = $obj['userid'];

 // Populate Student Class from JSON $obj array and store into $S_Subjectid.
 $S_Subjectid = $obj['subjectid'];

 // Populate Student Phone Number from JSON $obj array and store into $S_Stddate.
 $S_Stddate = $obj['stddate'];

 // Populate Email from JSON $obj array and store into $S_Stdtime.
 $S_Stdtime = $obj['stdtime'];

 // Populate Email from JSON $obj array and store into $S_Stdterm.
 $S_Stdterm = $obj['stdterm'];

 // Populate Email from JSON $obj array and store into $S_Stdclass.
 $S_Stdclass = $obj['stdclass'];



 // Creating SQL query and insert the record into MySQL database table.
 $Sql_Query = "UPDATE studytime SET subjectid= '$S_Subjectid', stddate = '$S_Stdd
ate', stdtime = '$S_Stdtime', stdterm = '$S_Stdterm', stdclass = '$S_Stdclass' WH
ERE userid = $S_Userid";

 if(mysqli_query($con,$Sql_Query)){

 // If the record inserted successfully then show the message.
$MSG = 'Record Successfully Inserted Into MySQL Database.' ;

// Converting the message into JSON format.
$json = json_encode($MSG);

// Echo the message.
 echo $json ;

 }
 else{

 echo 'Try Again';

 }
 mysqli_close($con);
?>
```

App.js

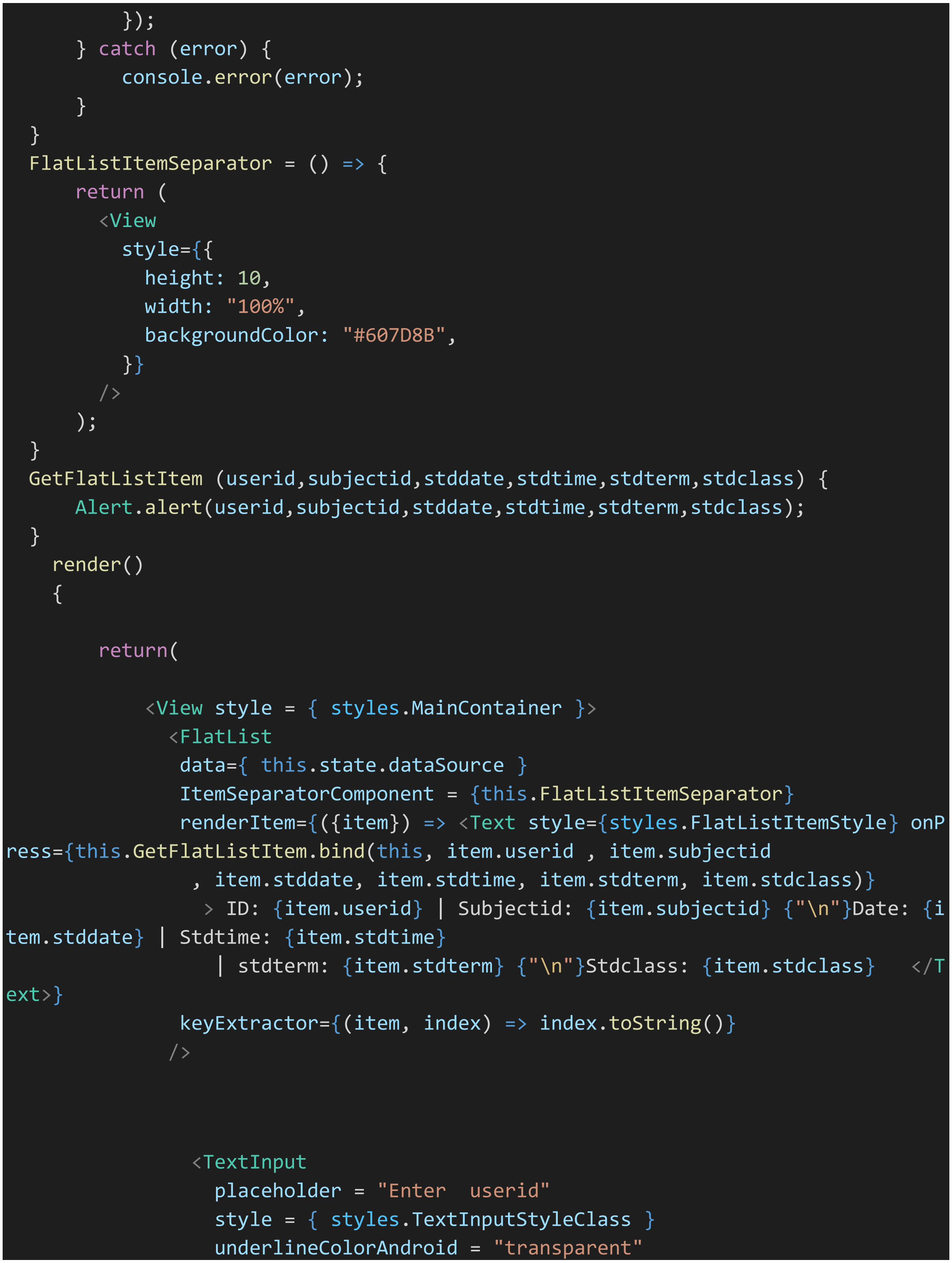
```
import React, { Component } from 'react';

import { StyleSheet, View, TextInput, Text, ActivityIndicator, TouchableOpacity,
FlatList,Alert ,Button } from 'react-native';

export default class App extends Component
{
    constructor()
    {
        super();

        this.state = {

          userid : '',
          ActivityIndicator_Loading: false,
```



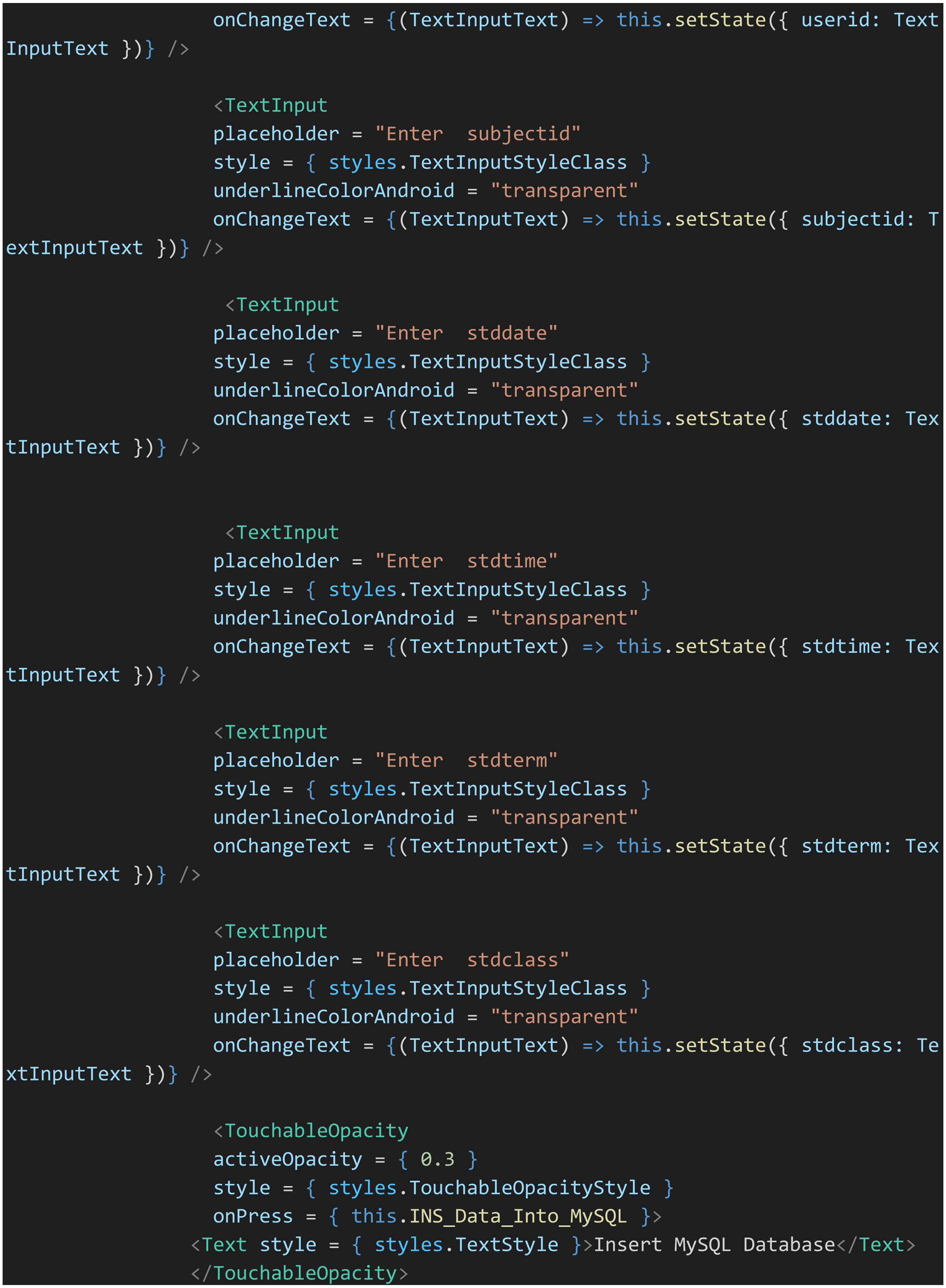
```
        }
    }

    UP_Data_Into_MySQL = () =>
    {
        this.setState({ ActivityIndicator_Loading : true }, () =>
        {
            fetch('http://192.168.1.115/myreact/UpdateStudentRecord.php',
            {
                method: 'POST',
                headers:
                {
                    'Accept': 'application/json',
                    'Content-Type': 'application/json',
                },
                body: JSON.stringify(
                {
                  userid : this.state.userid,
                  subjectid : this.state.subjectid,
                  stddate : this.state.stddate,
                  stdtime : this.state.stdtime,
                  stdterm : this.state.stdterm,
                  stdclass :this.state.stdclass
                })

            }).then((response) => response.json()).then((responseJsonFromServer)
=>

            {
                alert(responseJsonFromServer);

                this.setState({ ActivityIndicator_Loading : false });

            }).catch((error) =>
            {
                console.error(error);

                this.setState({ ActivityIndicator_Loading : false});
            });
        });
    }

    INS_Data_Into_MySQL = () =>
    {
```



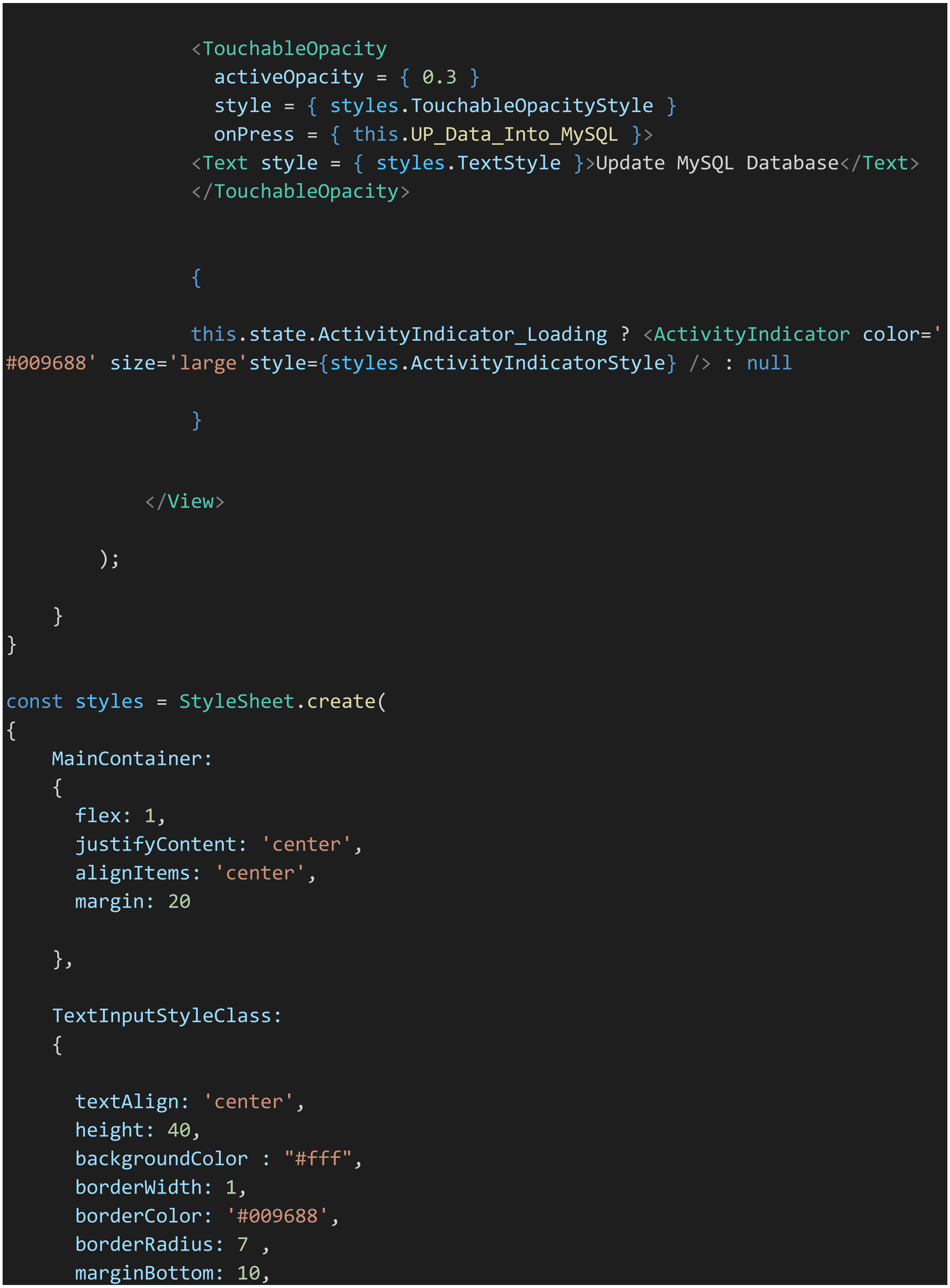
```
        this.setState({ ActivityIndicator_Loading : true }, () =>
        {
            fetch('http://192.168.1.115/myreact/InsertStudentData.php',
            {
                method: 'POST',
                headers:
                {
                    'Accept': 'application/json',
                    'Content-Type': 'application/json',
                },
                body: JSON.stringify(
                {
                  userid : this.state.userid,
                  subjectid : this.state.subjectid,
                  stddate : this.state.stddate,
                  stdtime : this.state.stdtime,
                  stdterm : this.state.stdterm,
                  stdclass :this.state.stdclass
                })

            }).then((response) => response.json()).then((responseJsonFromServer)
=>
            {
                alert(responseJsonFromServer);

                this.setState({ ActivityIndicator_Loading : false });

            }).catch((error) =>
            {
                console.error(error);

                this.setState({ ActivityIndicator_Loading : false});
            });
        });
    }
    async componentDidMount() {
      try {
          const response = await fetch('http://192.168.1.115/myreact/ShowAllStude
ntsList.php');
          const responseJson = await response.json();
          this.setState({
              isLoading: false,
              dataSource: responseJson
          }, function () {
              // In this block you can do something with new state.
```



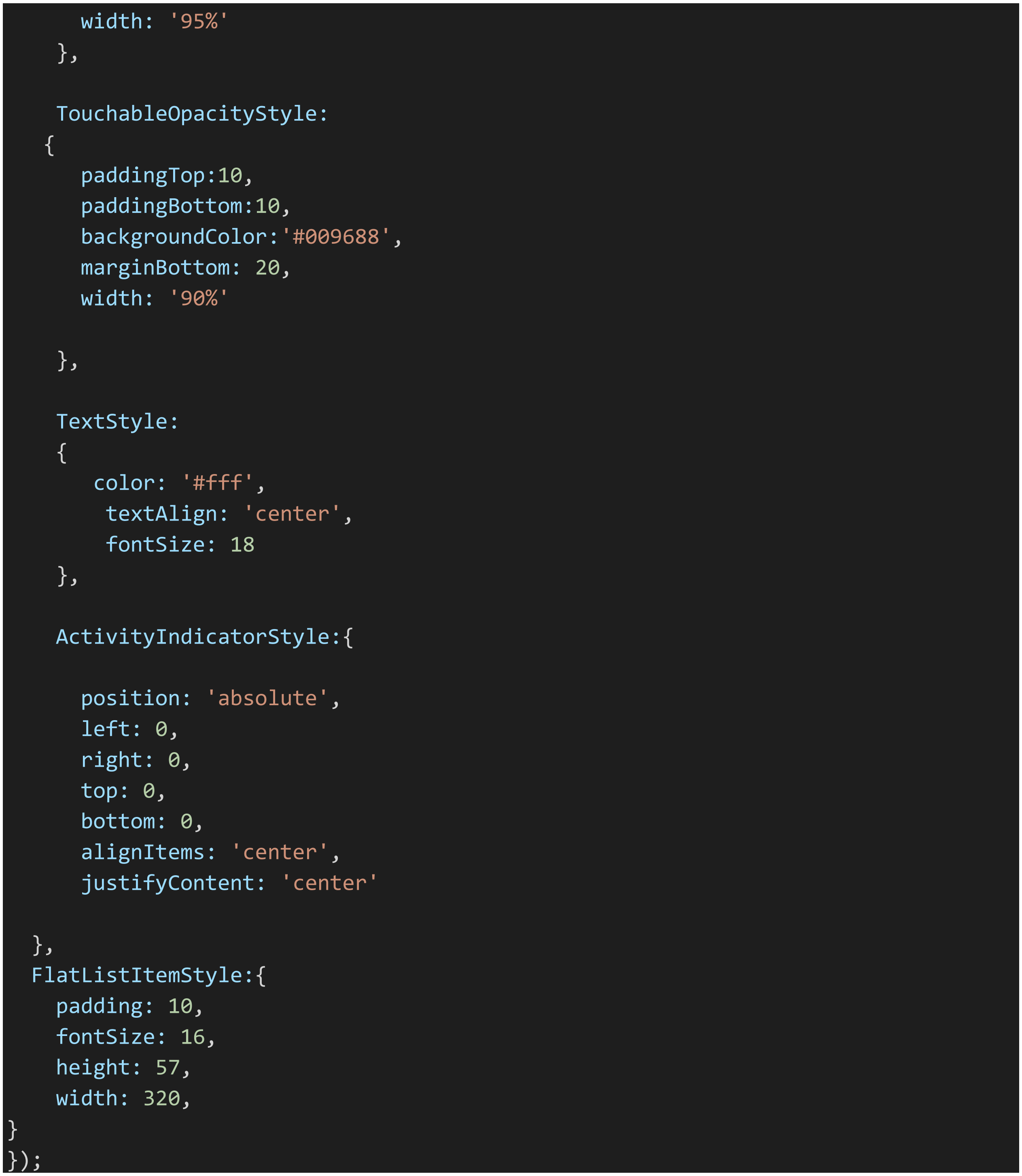
```
          });
      } catch (error) {
          console.error(error);
      }
  }
  FlatListItemSeparator = () => {
      return (
        <View
          style={{
            height: 10,
            width: "100%",
            backgroundColor: "#607D8B",
          }}
        />
      );
  }
  GetFlatListItem (userid,subjectid,stddate,stdtime,stdterm,stdclass) {
      Alert.alert(userid,subjectid,stddate,stdtime,stdterm,stdclass);
  }
    render()
    {

        return(

            <View style = { styles.MainContainer }>
              <FlatList
               data={ this.state.dataSource }
               ItemSeparatorComponent = {this.FlatListItemSeparator}
               renderItem={({item}) => <Text style={styles.FlatListItemStyle} onPress={this.GetFlatListItem.bind(this, item.userid , item.subjectid
                , item.stddate, item.stdtime, item.stdterm, item.stdclass)}
                 > ID: {item.userid} | Subjectid: {item.subjectid} {"\n"}Date: {item.stddate} | Stdtime: {item.stdtime}
                  | stdterm: {item.stdterm} {"\n"}Stdclass: {item.stdclass}   </Text>}
               keyExtractor={(item, index) => index.toString()}
              />



                <TextInput
                  placeholder = "Enter  userid"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
```



```
                  onChangeText = {(TextInputText) => this.setState({ userid: Text
InputText })} />

                  <TextInput
                  placeholder = "Enter  subjectid"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
                  onChangeText = {(TextInputText) => this.setState({ subjectid: T
extInputText })} />

                   <TextInput
                  placeholder = "Enter  stddate"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
                  onChangeText = {(TextInputText) => this.setState({ stddate: Tex
tInputText })} />


                   <TextInput
                  placeholder = "Enter  stdtime"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
                  onChangeText = {(TextInputText) => this.setState({ stdtime: Tex
tInputText })} />

                  <TextInput
                  placeholder = "Enter  stdterm"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
                  onChangeText = {(TextInputText) => this.setState({ stdterm: Tex
tInputText })} />

                  <TextInput
                  placeholder = "Enter  stdclass"
                  style = { styles.TextInputStyleClass }
                  underlineColorAndroid = "transparent"
                  onChangeText = {(TextInputText) => this.setState({ stdclass: Te
xtInputText })} />

                  <TouchableOpacity
                  activeOpacity = { 0.3 }
                  style = { styles.TouchableOpacityStyle }
                  onPress = { this.INS_Data_Into_MySQL }>
                <Text style = { styles.TextStyle }>Insert MySQL Database</Text>
                </TouchableOpacity>
```



```
                <TouchableOpacity
                  activeOpacity = { 0.3 }
                  style = { styles.TouchableOpacityStyle }
                  onPress = { this.UP_Data_Into_MySQL }>
                <Text style = { styles.TextStyle }>Update MySQL Database</Text>
                </TouchableOpacity>


                {

                this.state.ActivityIndicator_Loading ? <ActivityIndicator color='
#009688' size='large'style={styles.ActivityIndicatorStyle} /> : null

                }


            </View>

        );

    }
}

const styles = StyleSheet.create(
{
    MainContainer:
    {
      flex: 1,
      justifyContent: 'center',
      alignItems: 'center',
      margin: 20

    },

    TextInputStyleClass:
    {

      textAlign: 'center',
      height: 40,
      backgroundColor : "#fff",
      borderWidth: 1,
      borderColor: '#009688',
      borderRadius: 7 ,
      marginBottom: 10,
```



```
      width: '95%'
    },

    TouchableOpacityStyle:
   {
      paddingTop:10,
      paddingBottom:10,
      backgroundColor:'#009688',
      marginBottom: 20,
      width: '90%'

    },

    TextStyle:
    {
       color: '#fff',
        textAlign: 'center',
        fontSize: 18
    },

    ActivityIndicatorStyle:{

      position: 'absolute',
      left: 0,
      right: 0,
      top: 0,
      bottom: 0,
      alignItems: 'center',
      justifyContent: 'center'

  },
  FlatListItemStyle:{
    padding: 10,
    fontSize: 16,
    height: 57,
    width: 320,
}
});
```

```
 INS_Data_Into_MySQL = () =>
```

ฟังก์ชั่นนี้จะเรียกใช้ web api ของ react native fetch () และส่งค่า TextInput ทั้งหมดที่ป้อนไปยังเซิร์ฟเวอร์และหลังจากใส่สำเร็จจะแสดงข้อความตอบกลับที่มาจากเซิร์ฟเวอร์ในกล่องโต้ตอบ Alert

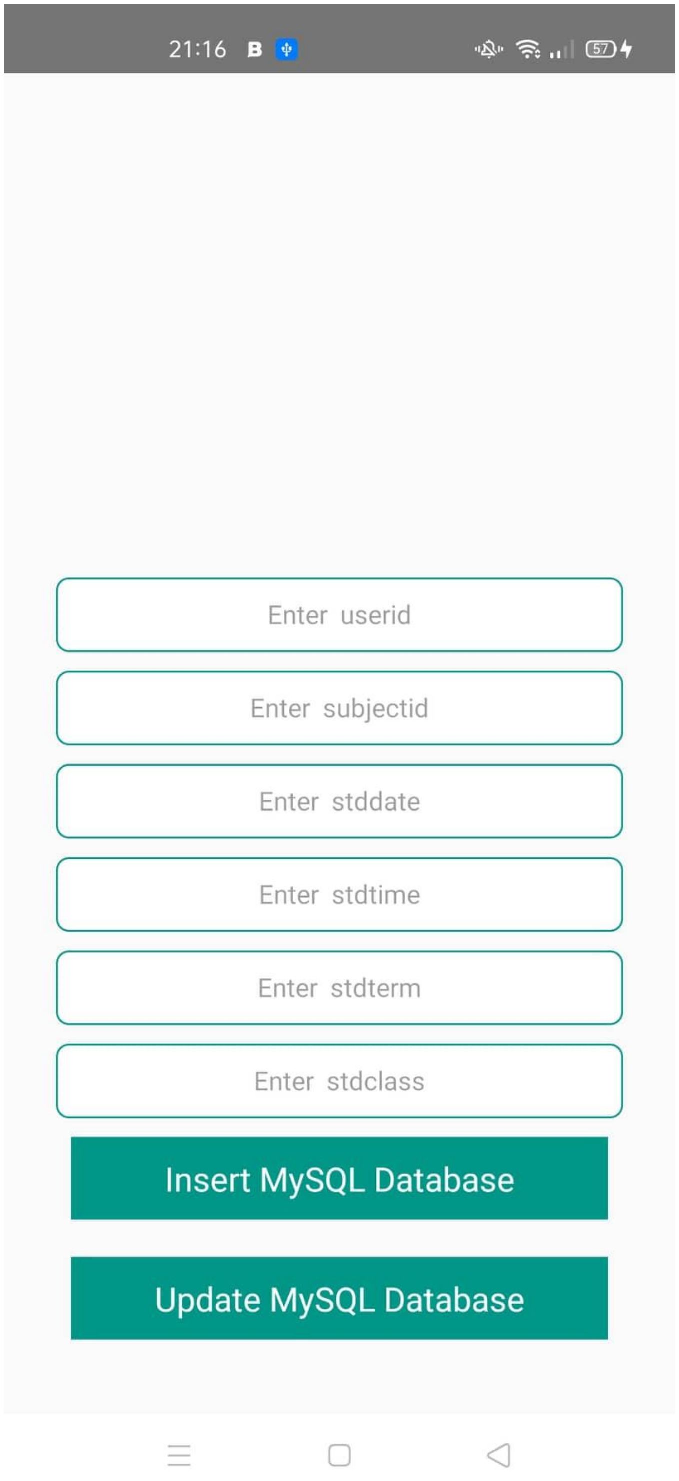
```
UP_Data_Into_MySQL = () =>
```

ฟังก์ชันนี้จะรับค่า TextInput ทั้งหมดและส่งไปยังเซิร์ฟเวอร์โดยใช้ fetch () API ซึ่งจะอัปเดตระเบียนที่มีอยู่โดยใช้ UserID

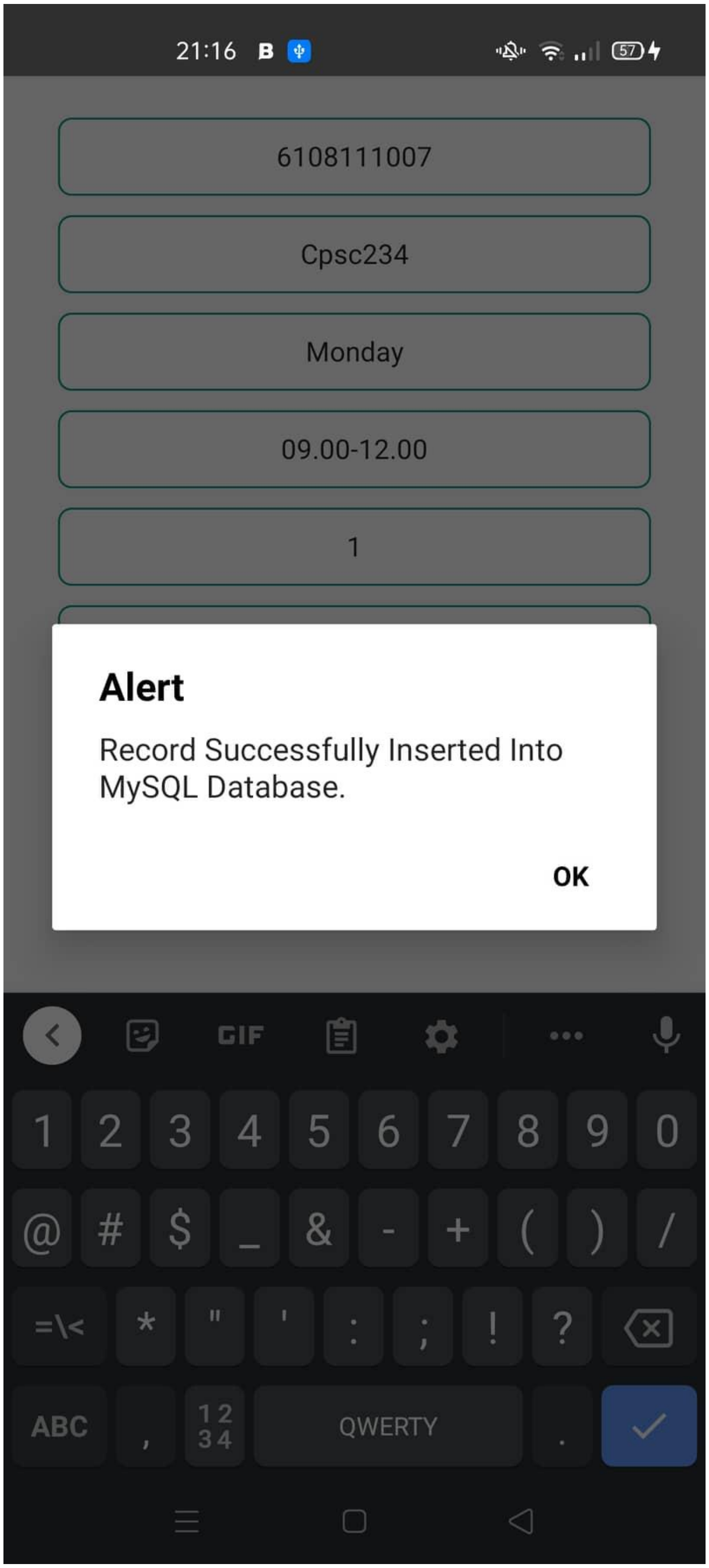
```
async componentDidMount() {
      try {
          const response = await fetch('http://192.168.1.115/myreact/ShowAllStudentsList.php');
          const responseJson = await response.json();
          this.setState({
              isLoading: false,
              dataSource: responseJson
          }, function () {
              // In this block you can do something with new state.
          });
      } catch (error) {
          console.error(error);
      }
  }
```

ฟังก์ชันนี้จะเรียกเวลาเริ่มต้นของกิจกรรมโดยอัตโนมัติ เราจะเขียนโค้ดเว็บ Fetch () ภายในเมธอด componentDidMount ()

หน้าจอการแสดงผล



การเพิ่มข้อมูล



6108111007

Cpsc234

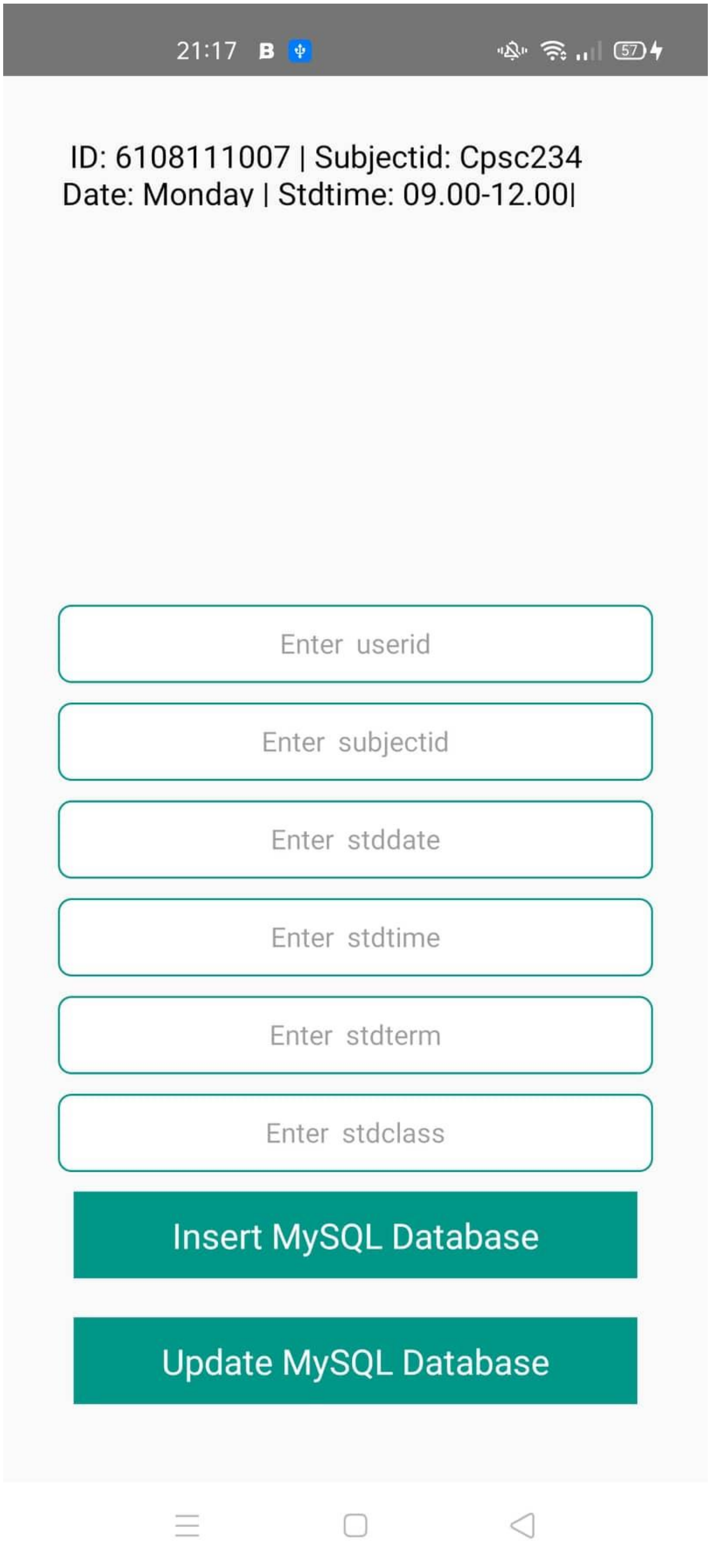
Monday

09.00-12.00

1

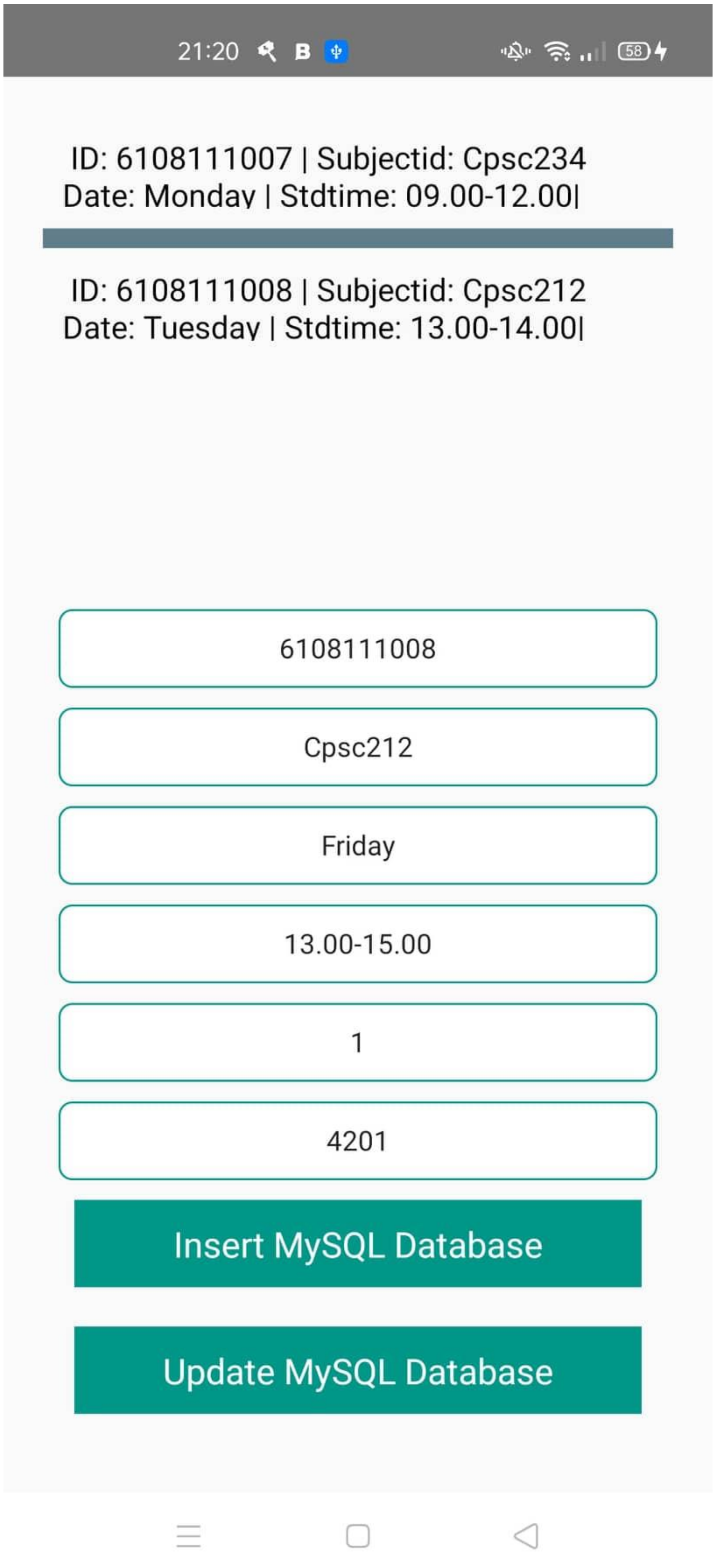
Alert

Record Successfully Inserted Into MySQL Database.



ID: 6108111007 | Subjectid: Cpsc234
Date: Monday | Stdtime: 09.00-12.00|

การอัปเดตข้อมูล



ID: 6108111007 | Subjectid: Cpsc234
Date: Monday | Stdtime: 09.00-12.00|

ID: 6108111008 | Subjectid: Cpsc212
Date: Tuesday | Stdtime: 13.00-14.00|

6108111008

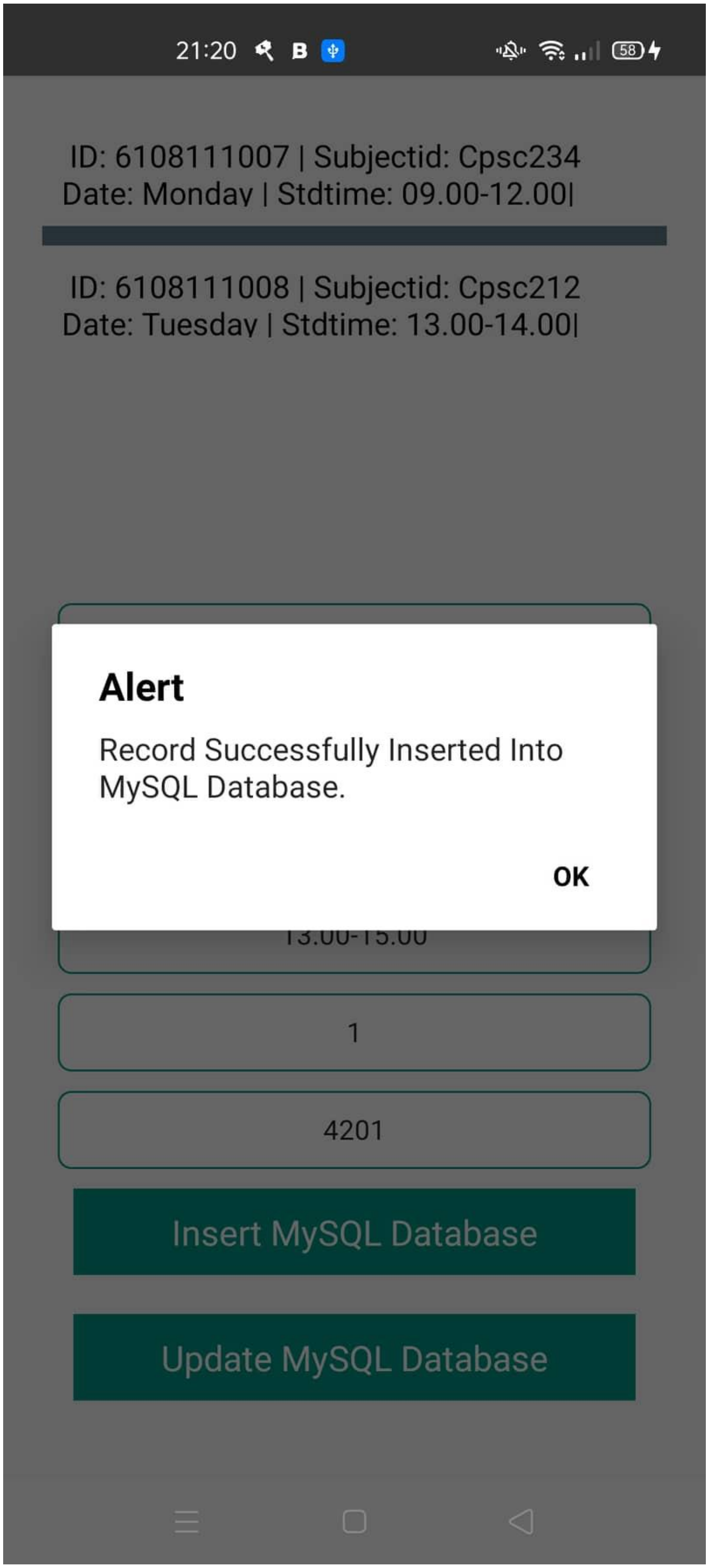
Cpsc212

Friday

13.00-15.00

1

4201



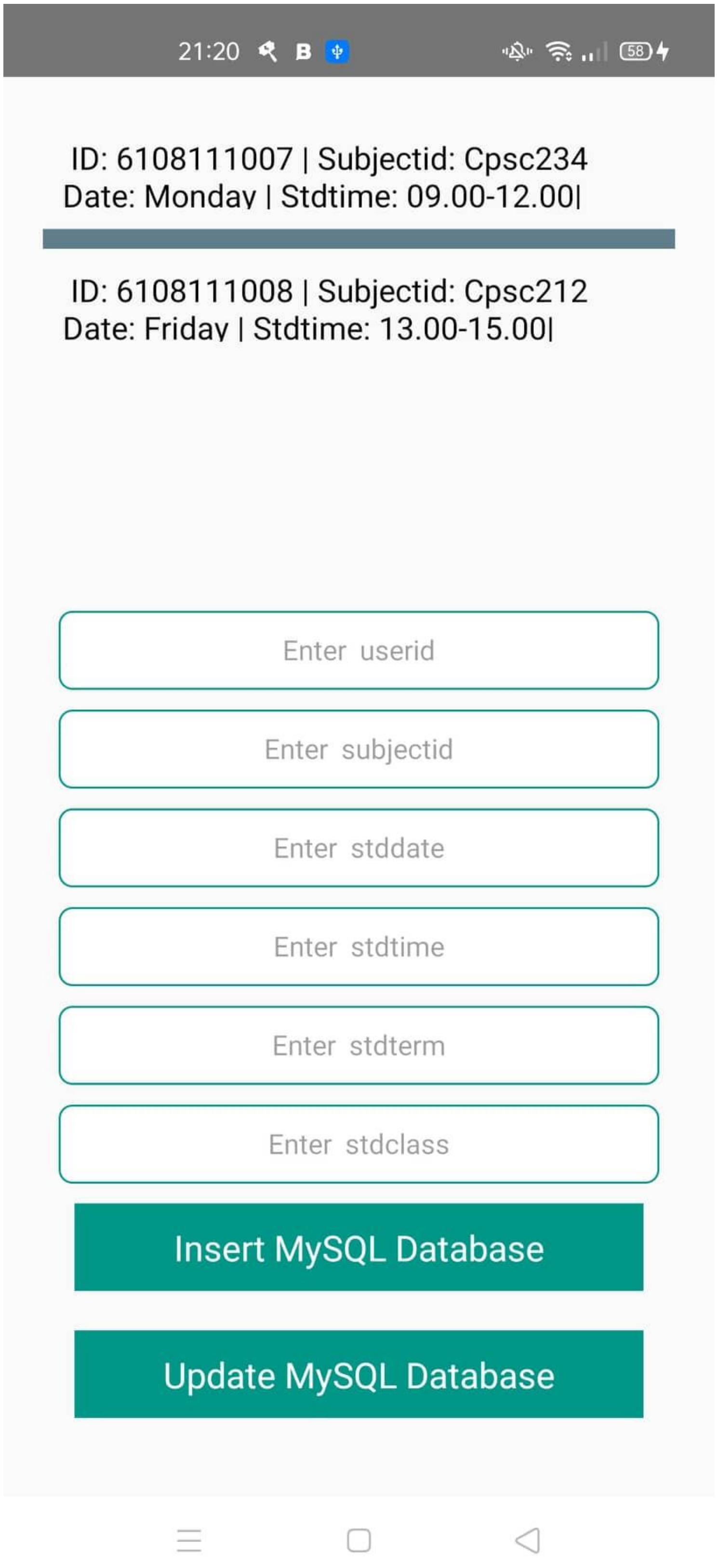
ID: 6108111007 | Subjectid: Cpsc234
Date: Monday | Stdtime: 09.00-12.00|

ID: 6108111008 | Subjectid: Cpsc212
Date: Tuesday | Stdtime: 13.00-14.00|

Alert

Record Successfully Inserted Into MySQL Database.

ได้ทำการอัปเดตวัน จาก Monday เป็น Friday และเปลี่ยนเวลาจาก 13.00-14.00 เป็น 13.00-15.00



ID: 6108111007 | Subjectid: Cpsc234
Date: Monday | Stdtime: 09.00-12.00|

ID: 6108111008 | Subjectid: Cpsc212
Date: Friday | Stdtime: 13.00-15.00|