

## INSTRUCTIONS:

### Goal of the Project:

In Class 60, you have learned about sort and map methods in JavaScript defined over arrays. You have used Firebase Database to create the Quiz Master App.

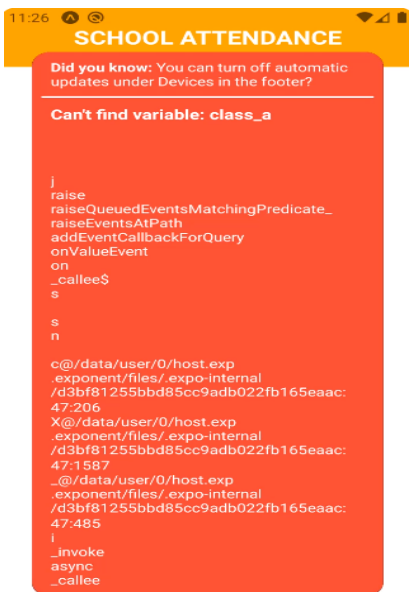
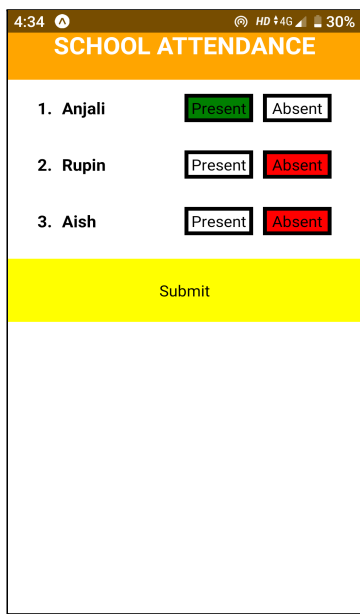
In this project, you will be implementing the same concepts to create a Student Attendance App.

### Story:

During the COVID-19 pandemic, your school wants you to put your coding skills to use. They are finding it very difficult to manually take the attendance, maintain registers and give the data to the admin.

The school team has created an application where teachers can see the list of students, and mark present/absent for a particular date.

Could you please create another application?

Template Output	Expected Output
	



**\*This is just for your reference. We expect you to apply your own creativity in the project.**

**Getting started:**

1. Login to [Snack](#).
2. Open the [template](#).
3. Name this snack as **Project 60**.
4. Start editing the code.

**Specific Tasks to complete the Project:**

THE CODE IS GIVEN IN COMMENTS, UNCOMMENT THE CORRECT BLOCK OF CODE.

Things to do	Final output/code snippets
<div> <div>Step 1</div>  <p>Create a <b>database</b> in <b>Firebase</b>. The nodes of the Firebase should look like these:</p> </div>	<pre> class   01     name: "alex"     roll_no: 1   02     name: "siri"     roll_no: 2   03     name: "sophia"     roll_no: 3 </pre>
<div> <div>Step 2</div>  <p>Link the SDK in the <b>config.js</b> file using:</p> </div>	<pre> import * as firebase from "firebase";  //initialize your database   export default firebase.database() </pre>

**Step 3**

In **homescreen.js**, choose the correct option to read the data from the database in **variable class\_a**.

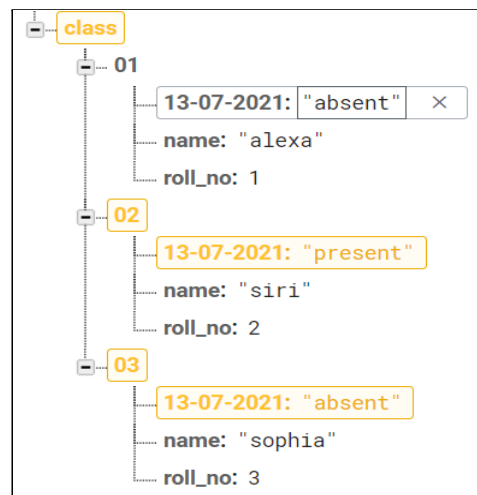
```
//CHOOSE THE CORRECT OPTION TO READ THE DATA FROM DATA
// var class_a = val()
// var class_a = data()
// var class_a = data.val
// var class_a = data.val()
```

**Step 4**

In **homescreen.js** choose the correct option to update the database data when button is pressed.

```
// let refPath = 'class/' + id;
// let classRef = db.ref(refPath);
// classRef.update({
//   [today]: status,
// });

// let refPath = 'class';
// let classRef = db.ref(refPath);
// classRef.update({
//   [today]: status,
// });
```

**Step 5**

Make sure that you test your app before submitting it.

PROFESSIONAL

SCHOOL ATTENDANCE APP



### Submitting the Project:

1. Save your expo snack (**Ctrl/Command + S**).
2. Copy the URL and submit it in the **Student Dashboard > Projects** panel against the correct Class Number.

**REMEMBER.. TRY your best, that is more important than being correct.**

After submitting your project your teacher will send you feedback on your work.

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