

INSTRUCTIONS:

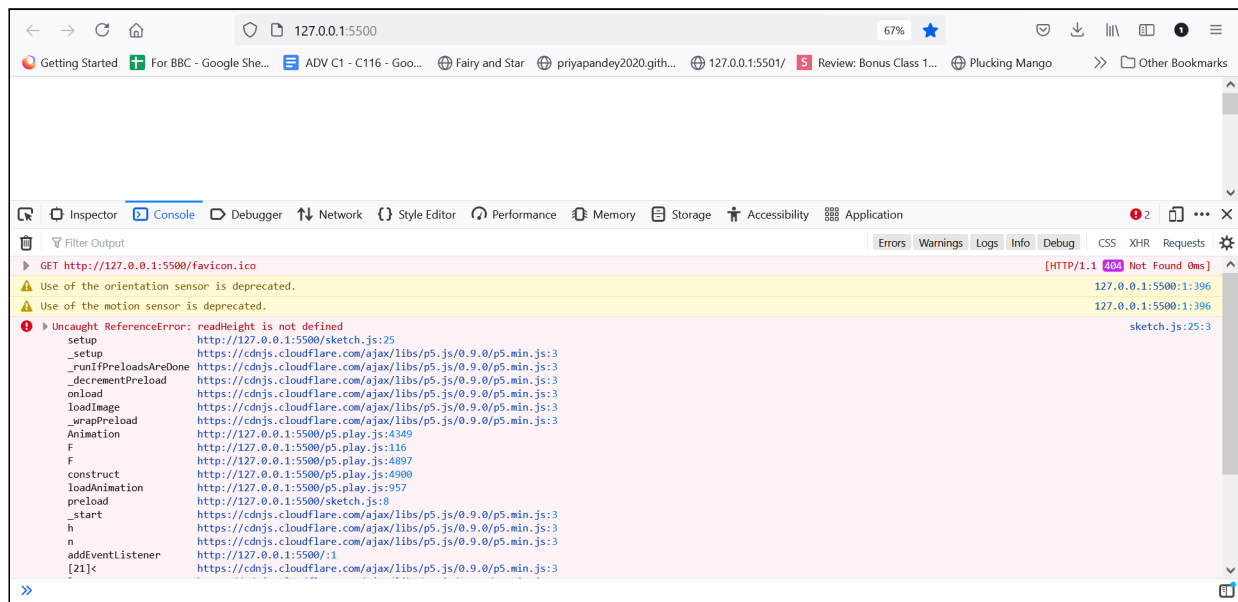
Goal of the Project:

In Class 35 you learned to create a remote real-time database, to read and write data and connect to a remote real-time database. In this project you will have to apply what you have learned in the class, create an air balloon ride animation and add keyPress events.

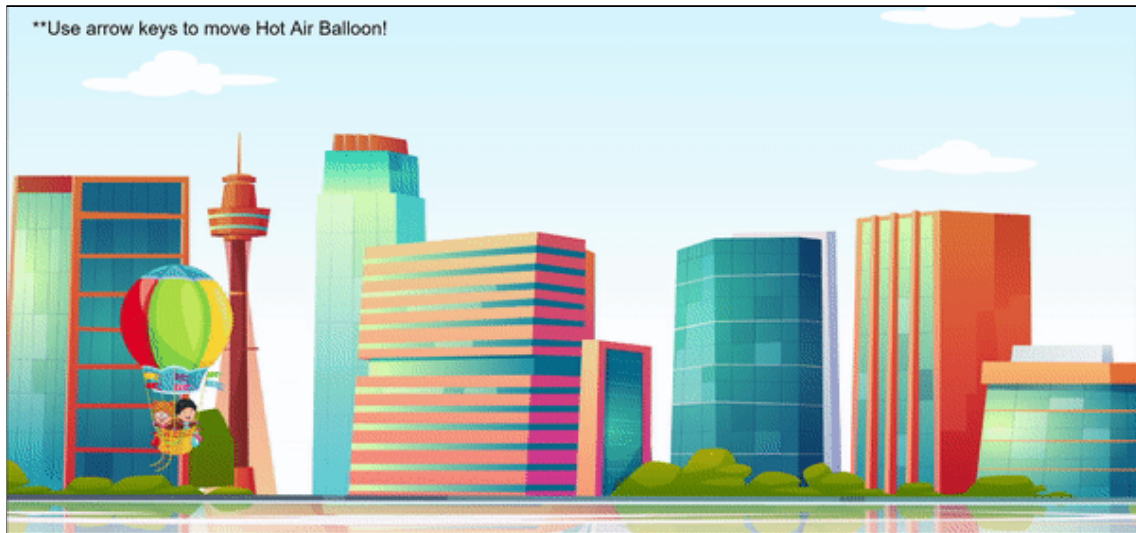
Story:

Kanchan had been to an event where she happened to see people riding hot air balloons. But due to time constraints, she missed her ride. But now, Kanchan has decided to create her own virtual hot air balloon, in which she can travel with her cousins. Help her create this Hot Air Balloon Ride.

Project Template Output



Project Expected Output





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

Getting Started:

1. Download the blank template from [here](#).
2. **Unzip** this folder.
3. Rename the unzipped folder as **Project 35**.
4. **Import** this folder **into VS Code**.
5. Start by editing your code in **sketch.js**.

Specific Tasks to complete the Project:

The code has been provided; you need to create a Firebase database and choose the correct block of code by uncommenting it.

Steps	Code blocks
<div data-bbox="154 583 344 632">Step 1</div>  <div data-bbox="316 661 665 892"> <p>Setup the Firebase database for the Project. You can refer to the steps given in the document.</p> </div>	<p>Refer to this document to set up a database.</p>
<div data-bbox="154 1123 344 1171">Step 2</div>  <div data-bbox="316 1165 665 1585"> <p>Create a node in the database as balloon and sub-node as height. Under height, add two sub nodes x and y and assign values to them. For example, x : 250, y : 650. These are the x and y positions of the hot air balloon.</p> </div>	<div data-bbox="828 1113 1453 1444"> <p>https://hotairballoon-3bf15-default-rtdb.firebaseio.com/</p> <pre> hotairballoon-3bf15-default-rtdb ├── balloon │ └── height │ ├── x: 250 │ └── y: 650 </pre> </div>

Step 3



Now add the **Firestore SDK** to the project. Copy the contents by clicking on the icon at the bottom right corner and paste it into **index.html** file along with the **src** library for the Firestore database in **VS Code**.

```
<!-- The core Firebase JS SDK is always required and must be listed
<script src="https://www.gstatic.com/firebasejs/8.2.0/firebase-app.js"></script>

<!-- TODO: Add SDKs for Firebase products that you want to use
https://firebase.google.com/docs/web/setup#available-libraries

<script>
// Your web app's Firebase configuration
var firebaseConfig = {
  apiKey: "AIzaSyA9UWtTgYDQvXGfFmZkzE6BjKqCnRw",
  authDomain: "hotairballoon-3bf15.firebaseio.com",
  databaseURL: "https://hotairballoon-3bf15.firebaseio.com",
  projectId: "hotairballoon-3bf15",
  storageBucket: "hotairballoon-3bf15.appspot.com",
  messagingSenderId: "626683535337",
  appId: "1:626683535337:web:a8da905294cda5d22cf578"
};
// Initialize Firebase
firebase.initializeApp(firebaseConfig);
</script>
```



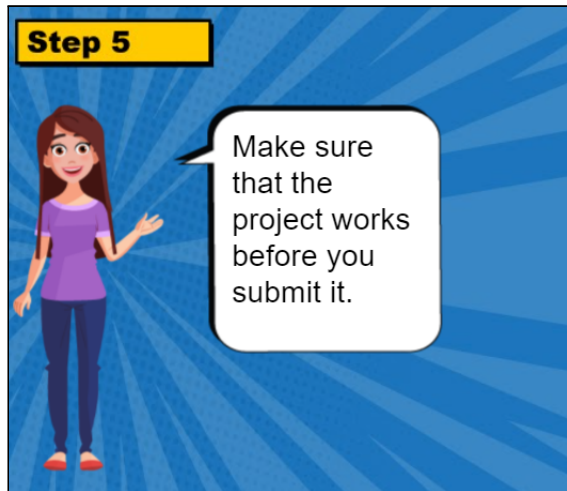
Step 4



Uncomment the correct block of code for the function **readHeight()**, which will read **data** from the database and give it to the **x** and **y** position of the balloon.

```
// function readHeight(data){ // function readHeight(data){
//   balloon.x = height.x; //   height = data.val();
//   balloon.y = height.y; // }
// }

// function readHeight(data){ // function readHeight(){
//   height = data.val(); //   height = val();
//   balloon.x = height.x; //   balloon.x = height.x;
//   balloon.y = height.y; //   balloon.y = height.y;
// } // }
```



Submitting the Project:

1. Create a new repository named "**Project C35**".
2. **Upload** the working code to this **GitHub** repository.
3. Enable **GitHub** pages for the repository.
4. Copy the link to the **GitHub** pages link on the **Student Dashboard > Projects** panel against the correct Class Number.

REMEMBER... Try your best, that's more important than being correct.

After submitting your project, the teacher will give you feedback on your project work.

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