INSTRUCTIONS:

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This is going to be the toughest but the most fun set of projects you have worked on so far.

You are going to build a universal canvas/paint app. This app will allow the user to draw on a canvas and a person in another part of the world can see what I am drawing.

This project will be split into 3 parts. This is the second part.

In the first part you created the canvas required to create a UNIVERSAL CANVAS.

In this part, you will need to create a new instance of a **Firebase** connection, just like in Class 34 and connect it to your current project.

If you had difficulty creating the canvas, no worries! Here is an amazing video that will illustrate how you can store all the mousePressed, mouseRelease movements on your canvas: https://www.youtube.com/watch?v=RUSvMxxm_Jo
Credits: The Coding Rainbow
*Just focus on the starting part of the video where you learn to save points in an array, store them and send them to FIREBASE.

In this project you are required to use the concept of firebase to connect your drawing information to firebase.

IMPORTANT: The canvas sends information to firebase in real-time. All the other canvases need to get this information and automatically draw on the canvas.

You will have to make use of javascript arrays for this project.

Remember to initialize your database and creating a reference to the location of your data - **database.ref()**

Also remember to use the function **.on()** to find out if your canvas changed it's value.

Here is an example of what you can create:
https://wepaint.herokuapp.com/

I hope this app makes you excited for the future project and helps you realise how awesome collaborative creativity is.

WhiteHat Jr
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ADDITIONAL INFORMATION:

In class you have had a brief introduction to the "this" keyword and the arrow(=>) function in javascript. This would be a good opportunity for you to clearly understand what the "this" keyword means. It will make your life a million times easier when you are debugging your code in the future if you have a deeper understanding of the "THIS" concept.

REMEMBER... Try your best, that's more important than being correct.
After submitting your project your teacher will send you feedback on your work.

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