**Test Plan**

**Team Name:** AHStudio

**Project Name:** ActiveHouse V2

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Test Case #1: Testing the Temp Service

Purpose: To notify the user that the room is very hot and allows the user to be weary of their kids (if they have any) at home

Precondition: Making sure the sensor is reading properly or the database has the data stored

Steps: Using a heat gun, to see if the sensor is reading the data and sending it to the database. If the database is receiving the data, once the temperature data go beyond a certain set point, it should pop up a notification.

Expected Result: A notification should pop up telling the user that a certain room is above a certain temperature, so the user can act according to it.

Test Case #2: Testing Personal Setting per user

Purpose: To see if the user can change how they want the application to look/work for them

Precondition: No precondition as every user will the same setting as default before changing them

Steps:

Expected Result: User should be able to personalize how the application look for them/work for them

Test Case #3: Testing Statistic to add up over time from data collected

Purpose: To show the user how much utility usage over time

Precondition: Data has been recorded before hand

Steps:

Expected Result: It should show the user over time data that was collected like last 7 days, last month, last year and etc.

Test Case #4: Testing Setting to see if metric to imperial converts

Purpose:

Precondition:

Steps:

Expected Result:

Test Case #5: Testing Firebase to see if clients can log in/sign up

Purpose: Each user will have their own house, setting, number of lights and etc. User account will store that and keep track

Precondition: Making sure Firebase is working correctly to take user information

Steps:

Expected Result: User should be able to log in to their account if they have one made or sign up for one. Once they sign in, the application should load their setting.

For all the blanks missing, we are still deciding how we are going to test it so this is the draft for now.