**Additional Requirements**

**Develop Data Property**

***UI***

**General Screen Layout**

The system shall have the name of the system at the top center of the screen.

The system shall have a menu bar on the top upper end but below of the screen.

The system shall have a “Home” button in the menu bar located on the left end.

The system shall have a “Sensors” button in the menu bar located to the right of the “Home” button.

The system shall have a “File Format” button in the menu bar located to the right of the “Sensors” button.

The system shall have a “Preference” button in the menu bar located to the right of the “File Format” button.

The system shall have a “Logout” button in the menu bar located on the right end.

The system shall have a list of the data properties previously created located on the left side of the screen below the menu bar.

**Property Graph**

The system shall have a list of all the data properties previously created. A data property is composed of a scope and a pattern. The user shall be able to click on these properties.

The system shall have a graph that displays any record of a data property. A data property is composed of a scope and a pattern. It shall be located in the center of the screen below the menu bar. The graph can be a line graph, a bar graph or a pie chart.

The system shall have a list of the anomalies located on the right side of the screen below the menu bar.

**Setting up a Scope**

The system shall have a radio button that corresponds to the “Global Scope”. It shall be located below the graph.

The system shall have a radio button that corresponds to the “Before R” scope. It shall be located below the graph.

The system shall have a radio button that corresponds to the “After L” scope. It shall be located below the graph.

The system shall have a radio button that corresponds to the “Between L & R” scope. It shall be located below the graph.

The system shall have a radio button that corresponds to the “After L until R” scope. It shall be located below the graph.

**Setting up a Pattern**

The system shall have a “scroll down” menu which contains all selectable patterns available to the user. This menu shall be located below the radio buttons.

The system shall have a “scroll down” menu which contains the type of data being measured. The type can be temperature, humidity, among others.

The system shall have a “scroll down” menu which contains the following mathematical relational symbols:

|  |  |
| --- | --- |
| Definition | Symbol |
| Less than | < |
| Greater than | > |
| Less than or equal | <= |
| Greater or equal | >= |
| Equal | = |

The “scroll down” menu shall be located below the “Patterns” “scroll down” menu and to the right of the “Type” scroll down” menu.

***Stimulus***

When the “Home” button is clicked, the system shall redirect to the original home page. The original home page is the first screen after the credentials have been approved.

When the “Sensors” button is clicked, the system shall redirect to a new page with the list of the sensors.

When the “File Format” button is clicked, the system shall redirect to a new page where the user can select a format to download anomalies found by the system. (THIS IS AN ASSUMPTION, SINCE WE HAVENT GOTTEN THE MEMO’S FEEDBACK FROM THE CLIENT)

When the “Preferences” button is clicked, the system shall redirect to the “Preferences” page.

When the radio button “Global Scope” is chosen, it is shaded black and no other radio button is selected. The graph will change according to the new scope value. By default, the system will display the values of the last data property created.

When the radio button “Before R” is chosen, it is shaded black and no other radio button is selected. The graph will change according to the new scope value. By default, the system will display the values of the last data property created.

When the radio button “After L” is chosen, it is shaded black and no other radio button is selected. The graph will change according to the new scope value. By default, the system will display the values of the last data property created.

When the radio button “Between L & R” is chosen, it is shaded black and no other radio button is selected. The graph will change according to the new scope value. By default, the system will display the values of the last data property created.

When the radio button “After L until R” is chosen, it is shaded black and no other radio button is selected. The graph will change according to the new scope value. By default, the system will display the values of the last data property created.

When a value is selected from the “Patterns” “scroll down” menu, the graph will change according to the new pattern value. By default, the system will display the values of the last data property created.

When a value is selected from the relational mathematical symbols “scroll down” menu, the graph will change according to the new relational symbol value. By default, the system will display the values of the last data property created.

When a data property from the list of data properties is clicked, a pop-up window will appear, showing the description of that data property. It shall have the date it was created, scope and pattern values, and the name of it’s creator.

When an anomaly is clicked, a pop-up window will appear, showing the description that anomaly.