

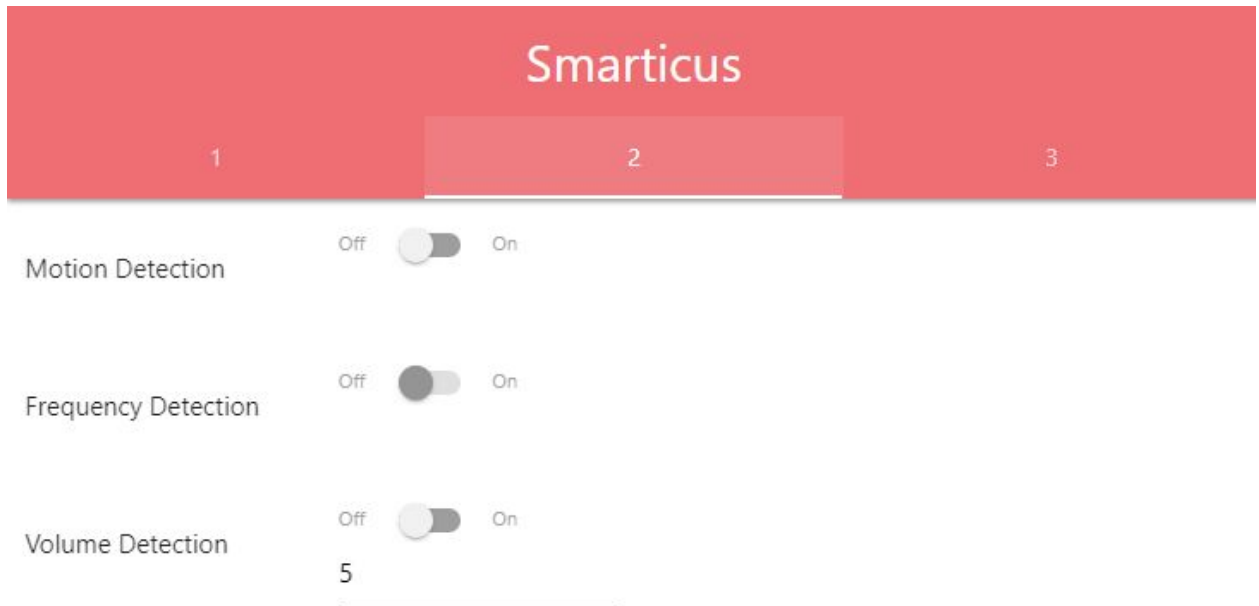
## System Demo/Tour

When you go to the website (which can be used on mobile as well) you will be greeted with a menu:

The image shows a mobile application interface for 'Smarticus'. At the top is a red header bar with the word 'Smarticus' in white. Below the header are three tabs labeled '1', '2', and '3'. Tab '1' is selected and highlighted with a white underline. The main content area of tab '1' contains three settings: 'Active Time (minutes)' with a value of '1' and a horizontal slider; 'Toggle Lamp' with a toggle switch currently in the 'Off' position; and 'Debug Mode' with a toggle switch also in the 'Off' position. Below these settings is a teal button labeled 'REFRESH GRAPH'. At the bottom of the screen are two dropdown menus: the first is labeled 'Average Joules Per Minute (Rounded Down)' and the second is labeled 'Column'. Both dropdowns have a downward-pointing arrow on the right side.

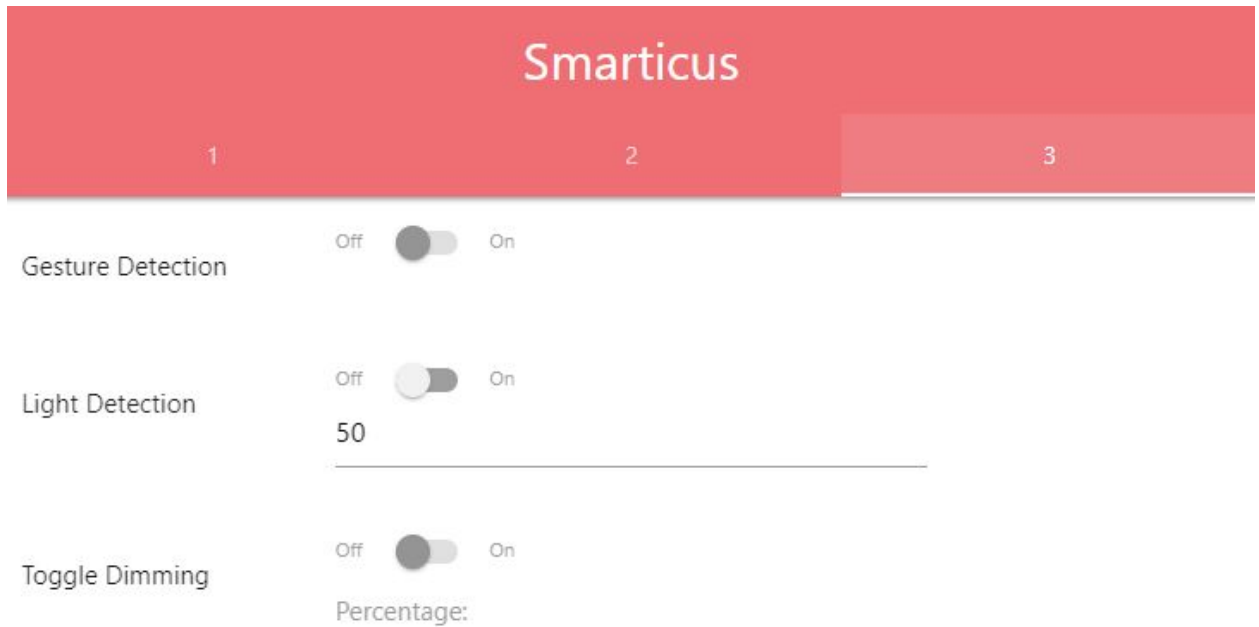
Here you can change the active time, which will determine how long the lamp will stay on, toggle the lamp on or off manually, and turn on debug mode (which will multiply the speed at which the active time decreases by a factor of 10).

If you click on the 2 tab, or swipe right, you will see:



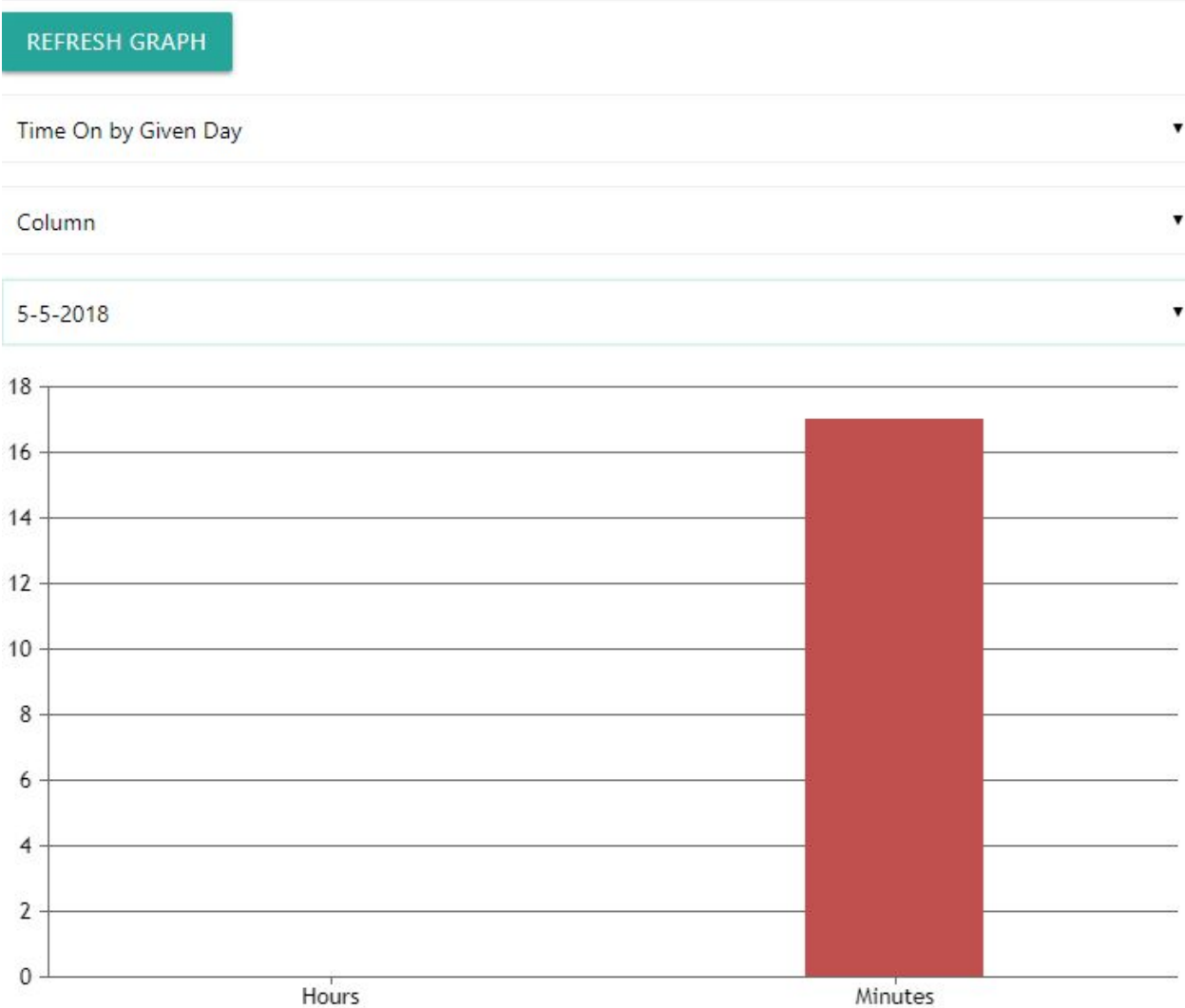
Here you can toggle the motion detection feature and the volume feature, as well as change the volume detection threshold. The frequency detection option is disabled.

If you click on tab 3 or swipe right you'll see:



On this tab you can turn on light detection and change the light detection threshold. If you turn on light detection, you can also toggle dimming and the percentage of brightness of the lamp will be displayed on the web-app (as well as on the serial monitor).

If you scroll down you'll see some options for data analytics:



Here you can refresh the graph, choose the data you want displayed, choose the type of graph type you want the data to be displayed as. In the case of some datasets, you must choose the day tied to the data you want displayed.