**Web Development – Mr. Turner**

Robot Builder

Thanh Nguyen

**Overview**

Make a robot with a control panel in which you can alter its features. 3 are numerical, 2 are toggles, and 1 choice between three options.

**Outline**

There will be four sections: the power selector, the scanner/defense toggles, the counters, and the thumbnails.

* The power selector will have three buttons and text that states what power type is installed, if any.
* The scanner/defense toggle section will have two sliders and some text that will state whether the toggles are activated or not.
* The power level, top speed, and structural integrity counters will have labeled buttons that change the values and display the values when they change. In addition, if the power type is changed, the counters will decrease automatically.
* The large thumbnail will display a blank image and change when a small image is clicked.

**Coding Tasks**

Power Selector - Use a header with three buttons and a header. The header will change using innerhtml whenever the power type is changed, and there will be a *if* function for each button to change the counters if they are too high for the selected power type. There will be a variable for the power type that will change with each button.

Toggles - The toggles will slide and change variables for scanners and defense to “on” or “off”. The results will be displayed using innerhtml.

Counters - There will be three different variables for power, speed, and integrity that change using the up and down counters. The value of the variable will then be displayed using innerhtml. The counters also will not be able to go under 0 using an if function.

Thumbnails - There will be two divs -- one for the large thumbnail and one for the small ones. The small ones will have onclicks that runs a function changing the src of the large one.

**Site Map**

Single Page

**Team**

Thanh Nguyen

**Inventory of Files**

HTML File

index.html

Javascript File

java/java.js

CSS File

css/style.css

Image Files

blue\_zord.png

red\_zord.png

green\_zord.png

yellow\_zord.png

white.png