WORD SEARCH

BY: LEVONA YIM

DEMO

http://levonayim.github.io/wordsearch/www

TECHNICAL DECISIONS:

IONIC FRAMEWORK + ANGULARJS

JQUERY

JQUERY - WORDSEARCH LIBRARY

ANIMATE.CSS

HTML + CSS

FEEDBACK TO USERS (CUSTOM LOGIC)

SIZING THE GRID & PLACING WORDS INTO THE GRID

```javascript
$scope.startGame = function () {
    //start the game loop
    //framerateInterval = setInterval(updatePosition, framerate);
    var words = "three,four,mozart,bach,meyer,rose,mahler,movie,pie,cupcakes,lamb,cheese,quilt,"
    + "earth,mars,mercury,neptune,five,six,seven,eight,pluto,saturn,jupiter,one,two";

//attach the game to a div
$("#theGrid").wordsearchwidget({"wordlist" : words,"gridsize" : 7});
};
```

```javascript
var puzzleGrid = "<div id='rf-searchgamecontainer'><table id='rf-tablegrid' cellspacing=0 cellpadding=0 class='rf-tablestyle'>";
for (var i=0;i<grid.size();i++) {
    puzzleGrid += "<tr>";
    for (var j=0;j<grid.size();j++) {
        puzzleGrid += "<td  class='rf-tgrid'>"+cells[i][j].value+"</td>";
    }
    puzzleGrid += "</tr>";
}
puzzleGrid += "</table></div>";
$(container).append(puzzleGrid);
```

FEEDBACK TO USERS (CUSTOM LOGIC)

VISUAL FEEDBACK

```javascript
var Visualizer = {

    glow : function (c) {
        $(c).removeClass("rf-armed")
            .removeClass("rf-selected")
            .addClass("rf-glowing");
    },

    arm : function (c) {
        $(c)//.removeClass("rf-selected")
            .removeClass("rf-glowing")
            .addClass("rf-armed");


    },

    restore : function (c) {
        $(c).removeClass("rf-armed")
            .removeClass("rf-glowing");

        if ( c!=null && $.data(c,"selected") == "true" ) {
            $(c).addClass("rf-selected");
        }
    },

    select : function (c) {
        $(c).removeClass("rf-armed")
            .removeClass("rf-glowing")
            .animate({'opacity' : '20'}, 500, "linear", function () {

        $(c).removeClass("rf-highlight")
            .addClass("rf-selected rotateIn")
            .animate({'opacity' : 'show'}, 500, "linear")
```

WHAT WORKED

Simple to navigate through

The user is able to get the natural experience of solving a word search puzzle as if they were to do it with pen and paper

Clear and simple feedback through the use of colours.

WHAT DIDN'T

Not clear what the user should do when they are finished solving the puzzle or if they want to restart it.

Soundcloud API can't be utilized due to the conflicts of versions for Jquery.