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// List of icons to randomly choose between

var indexIconList = 0;
var iconsList = ["icon://fa-heart",
    "icon://fa-music",
    "icon://fa-smile-o",
    "icon://fa-globe",
    "icon://fa-tree",
    "icon://fa-bolt",
    "icon://fa-moon-o",
    "icon://fa-star"];

//call functions to show screen
shapeChange();
locationChange();
colorChange();
    //used to change the shapes in the icons

    // On event for when the location button is clicked the icon will
    change in height, width, and position
onEvent("locationsButton", "click", function( ) {
    locationChange();
    playSound("sound://category_hits/vibrant_game_hit_1.mp3", false);
});

    // On event for when the shape button is clicked the icon will
    change
onEvent("shapesButton", "click", function( ) {
    shapeChange();
    playSound("sound://category_hits/vibrant_game_hit_1.mp3", false);
});

//OnEvent for the colors button so the color of the shapes will
change
onEvent("colorsButton", "click", function( ) {
    colorChange();
    playSound("sound://category_hits/vibrant_game_hit_1.mp3", false);
});

//OnEvent is when you press the checkbox at the top of the page,
the color, location and shape button
//disappear and the button to redo the lock screen appears
onEvent("checkboxbutton", "click", function( ) {
    hideElement("colorsButton");

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hideElement("locationsButton");
hideElement("shapesButton");
hideElement("checkbutton");
showElement("retryButton");
playSound("sound://category_digital/power_up.mp3", false);

});
//OnEvent is when you press the redo button at the top of the page,
the color, location and shape button
//reappear and the button to redo the lock screen disappears
onEvent("retryButton", "click", function( ) {
    showElement("colorsButton");
    showElement("locationsButton");
    showElement("shapesButton");
    showElement("checkbutton");
    hideElement("retryButton");
    playSound("sound://category_bell/bells_win.mp3", false);
});

//This function randomly change the icons and make sure that none
repeat
function shapeChange() {
    var lastIndex = indexIconList;
    indexIconList = randomNumber(0, iconsList.length - 1);
    while (indexIconList == lastIndex) {
        indexIconList = randomNumber(0, iconsList.length - 1);
    }
    for (var i = 0; i < 20; i++) {
        setProperty("icon" + i, "image", iconsList[indexIconList]);
    }
}

//This function randomly changes each icons color.
function colorChange(){
    for (var i = 0; i < 20; i++) {
        setProperty("icon" + i, "icon-color",
rgb(randomNumber(0,225),randomNumber(0,225),randomNumber(0,225),0.5))
;
        setProperty("homeScreen", "background-color",
rgb(randomNumber(0,225),randomNumber(0,225),randomNumber(0,225),0.3))
;
    }
}

//This function randomly places the shapes in any location and size
function locationChange(){

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    for (var i = 0; i < 20; i++) {  
    setProperty("icon"+ i, "x", randomNumber(1,320));  
    setProperty("icon"+ i, "y", randomNumber(1,450));  
    setProperty("icon"+ i, "width", randomNumber(50, 300));  
    setProperty( "icon" + i, "height" , randomNumber(70, 300));  
    }  
}
```