<!DOCTYPE html>

<html>

<head>

<title>Plant vs Zombies</title>

<link rel="stylesheet" href="style.css" type="text/css">

<script src="jquery-3.3.1.js"></script>

</head>

<body>

<div class="container">

<div class="listplant">

<div class="resource">

<div id="suns"></div>

<div id="totalsuns"></div>

</div>

<div class="plant" id="sunflow"></div>

<div class="plant" id="peas"></div>

</div>

<div class="baris" id="baris1"></div>

<div class="baris" id="baris2"></div>

<div class="baris" id="baris3"></div>

</div>

<script src="script.js" type="text/javascript"></script>

</body>

</html>

var totalsuns= 50;

var resources= $("#totalsuns");

function sunsCount() {

resources.html(totalsuns);

}

function createBlocks() {

for(var i= 0; i<8 ; i++) {

$("#baris1").append("<div id='petak"+(i+1)+"'class='petakbaris1'></div>");

}

for(var i= 8; i<16 ; i++) {

$("#baris2").append("<div id='petak"+(i+1)+"'class='petakbaris2'></div>");

}

for(var i= 16; i<24 ; i++) {

$("#baris3").append("<div id='petak"+(i+1)+"'class='petakbaris3'></div>");

}

}

var dropid= 0;

var growthid= 0;

var bulletid= 0;

var zbid= 0;

var ctrshot= 0;

function line(kelas) {

var plant;

$("#sunflow").click(function() {

plant= $(this).clone();

});

$("#peas").click(function() {

plant= $(this).clone();

});

$(kelas).click(function(){

var id = $(this).attr('id');

$("#"+id).click(function() {

if(plant!=null) {

if($(this).children().length<1) {

if(plant.attr('id')=="sunflow" && totalsuns>=50) {

var l= parseInt($(this).css('left'));

var t= parseInt($(this).css('top'));

$(this).append(plant);

$(this).children().css('position','absolute');

$(this).children().css('left',l+'px');

$(this).children().css('top',t+'px');

var t2= parseInt($(this).children().css('top'))-1;

$(this).children().css('top',t2+'px');

plant= null;

totalsuns-= 50;

generateGrowth(id);

}else if (plant.attr('id')=="peas" && totalsuns>=100) {

var l= parseInt($(this).css('left'));

var t= parseInt($(this).css('top'));

$(this).append(plant);

$(this).children().css('position','absolute');

$(this).children().css('left',l+'px');

$(this).children().css('top',t+'px');

var t2= parseInt($(this).children().css('top'))-1;

$(this).children().css('top',t2+'px');

plant= null;

totalsuns-= 100;

}else {

alert("Not enough suns!");

}

}

}

sunsCount();

});

});

}

function generateDrop() {

var arrLeft= [150,300,450,600,750,900,1050,1200];

var arrTop= [300,450,500];

var rndleft= Math.floor((Math.random()\*7));

var rndtop= Math.floor((Math.random()\*3));

var l= arrLeft[rndleft];

var tmax= arrTop[rndtop];

$(".listplant").append("<div id='drop"+(dropid)+"'class='sundrop'></div>");

$("#drop"+dropid).css('left',l+'px');

sunDrop(tmax);

getDrop();

dropid++;

}

function sunDrop(tmax) {

var dt= parseInt($(".sundrop").css('top'));

var drop= setInterval(function() {

dt+= 10;

$(".sundrop").css('top',dt+'px');

if (dt>=tmax) {

clearInterval(drop);

}

},40);

setTimeout(function() {

$(".sundrop").fadeOut("slow",function() {

$(this).remove();

});

},3000);

}

function getDrop() {

$(".sundrop").click(function() {

$(this).animate({left: '100px', top: '50px'},"slow",function(){

totalsuns+= 25;

sunsCount();

$(this).remove();

});

});

}

var sunTimer= [];

function generateGrowth(id) {

if($("#"+id).children().attr('id')=="sunflow") {

var kode = parseInt(id.replace("petak",""));

sunTimer[kode-1]= setInterval(function(){

var growth= "<div id='growth"+(growthid)+"'class='sungrowth'></div>";

$("#"+id).append(growth);

growthed(growthid);

getGrowth();

growthid++;

},3000);

}

}

function growthed(id) {

$("#growth"+id).animate({width: '100px', height: '90px'});

setTimeout(function() {

$("#growth"+id).fadeOut("slow",function() {

$(this).remove();

});

},3000);

}

function getGrowth() {

$(".sungrowth").click(function() {

$(this).animate({left: '100px', top: '50px'},"slow",function(){

totalsuns+= 25;

sunsCount();

$(this).remove();

});

});

}

function generateBullet() {

for(var i= 0; i<24; i++) {

if($("#petak"+(i+1)).children().attr('id')=="peas") {

var parent= $("#petak"+(i+1)).parent();

if(parent.children().hasClass('zombie')) {

var bullet= "<div id='bult"+(bulletid)+"'class='bullet'></div>";

$("#petak"+(i+1)).append(bullet);

var l= parseInt($("#bult"+bulletid).css('left'))+100;

var t= parseInt($("#bult"+bulletid).css('top'))-1;

$("#bult"+bulletid).css('left',l+'px');

$("#bult"+bulletid).css('top',t+'px');

bulletShooted(bulletid);

bulletid++;

}

}

}

}

function bulletShooted(id) {

var dl= parseInt($("#bult"+id).css('left'));

var shoot= setInterval(function() {

dl+= 1;

$("#bult"+id).css('left',dl+'px');

shooted(id);

if(dl>=1200) {

clearInterval(shoot);

$("#bult"+id).remove();

}

},10);

}

function spawnZombie() {

var line= Math.floor((Math.random()\*3)+1);

var zombie= "<div id='zb"+(zbid)+"'class='zombie'></div>";

if(line==1) {

$("#baris1").append(zombie);

var t= parseInt($("#baris1").css('top'));

$("#zb"+zbid).css('top',t+'px');

$("#zb"+zbid).attr('hp',4);

}

else if(line==2) {

$("#baris2").append(zombie);

var t= parseInt($("#baris2").css('top'));

$("#zb"+zbid).css('top',t+'px');

$("#zb"+zbid).attr('hp',4);

}

else if(line==3) {

$("#baris3").append(zombie);

var t= parseInt($("#baris3").css('top'));

$("#zb"+zbid).css('top',t+'px');

$("#zb"+zbid).attr('hp',4);

}

zombieWalk(zbid);

zbid++;

}

function zombieWalk(id) {

var dl= parseInt($("#zb"+id).css('left'));

var walk= setInterval(function() {

dl-= 1;

$("#zb"+id).css('left',dl+'px');

eat(id);

if(dl<=100) {

if($("#zb"+id).css('left') != undefined){

console.log(id);

clearInterval(walk);

alert("Game Over!");

location.reload();

}

}

},45);

}

function eat(id) {

for(var i= 0; i<24; i++) {

if($("#petak"+(i+1)).children().css('left')!=null &&

$("#petak"+(i+1)).children().css('top')!=null) {

var size= parseInt($("#petak"+(i+1)).children().css('width'));

var lplant= parseInt($("#petak"+(i+1)).children().css('left'));

var tplant= parseInt($("#petak"+(i+1)).children().css('top'));

var lzb= parseInt($("#zb"+id).css('left'));

var tzb= parseInt($("#zb"+id).css('top'));

var newl= (lplant+size);

var collide= lzb>=lplant && lzb<=newl;

if(collide && tplant==tzb) {

$("#petak"+(i+1)).children().remove();

clearInterval(sunTimer[i]);

}

}

}

}

function shooted(id) {

for(var i= zbid-1;i>=0; i--) {

if($("#zb"+i)!=null) {

var lbult= parseInt($("#bult"+id).css('left'));

var tbult= parseInt($("#bult"+id).css('top'));

var lzb= parseInt($("#zb"+i).css('left'));

var tzb= parseInt($("#zb"+i).css('top'));

var collide= lbult == lzb || lbult-lzb>10;

if(collide && tbult==tzb) {

$("#bult"+id).remove();

$("#zb"+i).attr('hp',parseInt($("#zb"+i).attr('hp'))-1);

if($("#zb"+i).attr('hp')==0) {

$("#zb"+i).css('left','1200px');

$("#zb"+i).css('display','none');

$("#zb"+i).remove();

}

}

}

}

}

$(document).ready(function() {

sunsCount();

createBlocks();

var intervalDrop= setInterval(generateDrop, 5000);

var intervalSpawn= setInterval(spawnZombie, 5000);

line(".petakbaris1");

line(".petakbaris2");

line(".petakbaris3");

var intervalGrowth= setInterval(generateGrowth, 3000);

var intervalShoot= setInterval(generateBullet, 2000);

setTimeout(function(){

alert("You Win");

location.reload();

}, 60000);

});

.container {

background-color: green;

width: 1200px;

height: 600px;

margin: auto;

}

.listplant {

background-color: brown;

border: 2px solid red;

border-radius: 5px;

width: 600px;

height: 150px;

}

.plant {

background-repeat: no-repeat;

background-size: cover;

width: 140px;

height: 150px;

float: left;

}

.resource {

width: 150px;

height: 150px;

font-family: monospace;

font-size: 50px;

color: white;

text-align: center;

float: left;

}

.sundrop {

background-image: url("images/Sun.png");

background-size: cover;

width: 100px;

height: 90px;

position: absolute;

}

.sungrowth {

background-image: url("images/Sun.png");

background-size: cover;

width: 50px;

height: 40px;

position: absolute;

}

#suns {

background-image: url("images/Sun.png");

background-size: cover;

margin: auto;

width: 100px;

height: 90px;

}

#peas {

background-image: url("images/Peashooter\_HD.png");

}

#sunflow {

background-image: url("images/Sunflower\_HD.png");

}

.bullet {

background-color: lightgreen;

border-radius: 100%;

width: 40px;

height: 40px;

position: absolute;

}

.zombie {

background-image: url("images/zombie1.png");

background-size: cover;

background-repeat: no-repeat;

width: 100px;

height: 150px;

position: absolute;

left: 1200px;

}

.baris {

background-image: url("images/plants-vs-zombies-screenshot.jpg");

background-size: cover;

background-repeat: no-repeat;

background-position: -100px 0px;

height: 150px;

text-align: center;

}

.petakbaris1 {

border: 1px solid black;

box-sizing: border-box;

width: 150px;

height: 150px;

float: left;

}

.petakbaris2 {

border: 1px solid black;

box-sizing: border-box;

width: 150px;

height: 150px;

float: left;

}

.petakbaris3 {

border: 1px solid black;

box-sizing: border-box;

width: 150px;

height: 150px;

float: left;

}