THE COMPLETE WEB
DEVELOPMENT
COURSE

STEP BY STEP
WITH
NO STEP SKIPPED

Fruits Slice Game

SOURCE CODE

```html
<!--index.html-->
<!DOCTYPE html>
<html lang="en">
    <head>
        <title>Fruits Game</title>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width,
initial-scale=1, user-scalable=yes">
        <link rel="stylesheet" href="styling.css">
        <link rel="stylesheet"
href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.
4/themes/smoothness/jquery-ui.css">
    </head>

    <body>
        <div id="container">
            <div id="score">
                Score: <span id="scorevalue">0</span>
            </div>
            <div id="trialsLeft">

            </div>
            <div id="correct">
                Correct
            </div>
            <div id="wrong">
```

```html
                Try again
            </div>
            <div id="fruitsContainer">
                <img id="fruit1" class="fruit">
            </div>
            <div id="instruction">
                Catch Fruits
            </div>
            <div id="startreset">
                Start Game
            </div>
            <div id="gameOver">

            </div>
        </div>
        <audio id="slicesound">
            <source src="audio/slicefruit.mp3"></source>
            <source src="audio/slicefruit.ogg"></source>
        </audio>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/j
query.min.js"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4
/jquery-ui.min.js">
    </script>
        <script src="jquery.js"></script>
    </body>
</html>
```

```css
/*styling.css*/
html{
    height: 100%;
    background: radial-gradient(circle, #fff, #ccc);
    background: -webkit-radial-gradient(circle, #fff,
#ccc);
    background: -o-radial-gradient(circle, #fff, #ccc);
    background: -moz-radial-gradient(circle, #fff, #ccc);
}
```

```css
#container{
    height: 600px;
    width: 750px;
    background-color: #9DD2EA;
    margin: 10px auto;
    padding: 20px;
    border-radius: 10px;
    box-shadow: 0px 4px 0px 0px #009de4;
    -moz-box-shadow: 0px 4px 0px 0px #009de4;
    -webkit-box-shadow: 0px 4px 0px 0px #009de4;
/*      box-shadow: [horizontal offset] [vertical
offset] [blur radius] [optional spread radius] [color]*/
    position: relative;
}

#score{
    background-color: #F1FF92;
    color: #888E5F;
    padding: 11px;
    position: absolute;
    left: 700px;
    box-shadow: 0px 4px 0px #9da853;
    -moz-box-shadow: 0px 4px 0px #9da853;
    -webkit-box-shadow: 0px 4px 0px #9da853;
}

#correct{
    position: absolute;
    left: 260px;
    background-color: #42e252;
    color: white;
    padding: 11px;
    display: none;
}

#wrong{
    position: absolute;
    left: 250px;
    background-color: #de401a;
    color: white;
    padding: 11px;
    display: none;
```

```css
}

#fruitsContainer{
    width: 650px;
    height: 400px;
    margin: 50px auto 10px auto;
    background-color: white;
    box-shadow: 0px 4px #535aa8;
    -moz-box-shadow: 0px 4px #535aa8;
    -webkit-box-shadow: 0px 4px #535aa8;
    font-size: 100px;
    text-align: center;
    font-family: cursive, sans-serif;
    color: black;
    position: relative;
    overflow: hidden;
}

#instruction{
    width: 450px;
    height: 50px;
    background-color: #B481D9;
    margin: 10px auto;
    text-align: center;
    line-height: 45px;
    box-shadow: 0px 4px #8153a8;
    -moz-box-shadow: 0px 4px #8153a8;
    -webkit-box-shadow: 0px 4px #8153a8;
}

#choices{
    width: 450px;
    height: 100px;
    margin: 5px auto;
}

.box{
    width: 85px;
    height: 85px;
    background-color: white;
    float: left;
    margin-right: 36px;
```

```css
    border-radius: 3px;
    cursor: pointer;
    box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -moz-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -webkit-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    text-align: center;
    line-height: 80px;
    position: relative;
    transition: all 0.2s;
    -webkit-transition: all 0.2s;
    -moz-transition: all 0.2s;
    -o-transition: all 0.2s;
    -ms-transition: all 0.2s;
}

.box:hover, #startreset:hover{
/*    background-color: #9C89F6;*/
/*    color: white;*/
/*    box-shadow: 0px 4px #6b54d3;*/
/*    -moz-box-shadow: 0px 4px #6b54d3;*/
/*    -webkit-box-shadow: 0px 4px #6b54d3;*/
}

.box:active, #startreset:active{
    background-color: #9C89F6;
    color: white;
    box-shadow: 0px 0px #6b54d3;
    -moz-box-shadow: 0px 0px #6b54d3;
    -webkit-box-shadow: 0px 0px #6b54d3;
    top: 4px;
}
#box4{
    margin-right: 0;
}

#startreset{
    width: 78px;
    padding: 10px;
    background-color: rgba(255,255,255,0.5);
    margin: 0 auto;
    border-radius: 3px;
    cursor: pointer;
```

```css
    box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -moz-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -webkit-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    text-align: center;
    position: relative;
    transition: all 0.2s;
    -webkit-transition: all 0.2s;
    -moz-transition: all 0.2s;
    -o-transition: all 0.2s;
    -ms-transition: all 0.2s;
}

#trialsLeft{
    width: 80px;
    padding: 10px;
    position: absolute;
    background-color: #F1FF92;
    border-radius: 3px;
    box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -moz-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
    -webkit-box-shadow: 0px 4px rgba(0, 0, 0, 0.2);
/*    visibility: hidden;*/
    display: none;
}

#gameOver{
    height: 200px;
    width: 500px;
    background: linear-gradient(#F3CA6B, #F3706C);
    background: -webkit-linear-gradient(#F3CA6B, #F3706C);
    background: -o-linear-gradient(#F3CA6B, #F3706C);
    background: -moz-linear-gradient(#F3CA6B, #F3706C);
    color: white;
    font-size: 2.5em;
    text-align: center;
    text-transform: uppercase;
    position: absolute;
    top: 170px;
    left: 145px;
    z-index: 2;
    display: none;
```

```css
}

.life{
    width: 16px;
    height: 16px;
    margin: 0 5px;
}

.fruit{
    display: none;
    position: absolute;
}
```

```javascript
//jquery.js
var playing = false;
var score;
var trialsLeft;
var step;
var action; //used for setInterval
var fruits = ['apple', 'banana', 'cherries', 'grapes',
'mango', 'orange', 'peach', 'pear', 'watermelon'];
$(function(){

//click on start reset button

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

    //we are playing
    if(playing == true){

        //reload page
        location.reload();
    }else{

        //we are not playing
        playing = true; //game initiated

        //set score to 0
        score = 0; //set score to 0
        $("#scorevalue").html(score);
```

```javascript
        //show trials left
        $("#trialsLeft").show();
        trialsLeft = 3;
        addHearts();

        //hide game over box
        $("#gameOver").hide();

        //change button text to reset game
        $("#startreset").html("Reset Game");

        //start sending fruits
        startAction();
    }
});


//slice a fruit

$("#fruit1").mouseover(function(){
    score++;
    $("#scorevalue").html(score); //update score
//    document.getElementById("slicesound").play();
    $("#slicesound")[0].play();//play sound

    //stop fruit
    clearInterval(action);

    //hide fruit
    $("#fruit1").hide("explode", 500); //slice fruit

    //send new fruit
    setTimeout(startAction, 500);
});

//functions

//fill trialLeft box with hearts

function addHearts(){
    $("#trialsLeft").empty();
```

```javascript
        for(i = 0; i < trialsLeft; i++){
            $("#trialsLeft").append('<img
src="images/heart.png" class="life">');
        }
}

//start sending fruits

function startAction(){

    //generate a fruit
    $("#fruit1").show();
    chooseFruit(); //choose a random fruit
    $("#fruit1").css({'left' :
Math.round(550*Math.random()), 'top' : -50}); //random
position

    //generate a random step
    step = 1+ Math.round(5*Math.random()); // change step

    // Move fruit down by one step every 10ms
    action = setInterval(function(){

        //move fruit by one step
        $("#fruit1").css('top',
$("#fruit1").position().top + step);

        //check if the fruit is too low
        if($("#fruit1").position().top >
$("#fruitsContainer").height()){
            //check if we have trials left
            if(trialsLeft > 1 ){
                //generate a fruit
                $("#fruit1").show();
                chooseFruit(); //choose a random fruit
                $("#fruit1").css({'left' :
Math.round(550*Math.random()), 'top' : -50}); //random
position

                //generate a random step
                step = 1+ Math.round(5*Math.random()); //
change step
```

```
                    //reduce trials by one
                    trialsLeft --;

                    //populate trialsLeft box
                    addHearts();

                }else{ // game over
                    playing = false; //we are not playing
anymore
                    $("#startreset").html("Start Game"); //
change button to Start Game
                    $("#gameOver").show();
                    $("#gameOver").html('<p>Game
Over!</p><p>Your score is '+ score +'</p>');
                    $("#trialsLeft").hide();
                    stopAction();
                }
            }
        }, 10);
}

// generate a random fruit

function chooseFruit(){
    $("#fruit1").attr('src' , 'images/' +
fruits[Math.round(8*Math.random())] +'.png');
}

//Stop dropping fruits

function stopAction(){
    clearInterval(action);
    $("#fruit1").hide();
}
});
```