**Lab 2 jQuery Assignment**

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**Q1. Implement the bouncing ball using animate() function.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Bouncing Ball</title>

<script type = "text/javascript" src="jquery-3.7.1.min.js"></script>

<style>

body {

margin: 0;

padding: 0;

height: 100vh;

overflow: hidden;

background-color: #f0f0f0;

}

.ball {

width: 50px;

height: 50px;

background-color: red;

border-radius: 50%;

position: absolute;

top: 0;

left: 50%;

transform: translateX(-50%);

}

</style>

</head>

<body>

<div class="ball"></div>

<script>

$(document).ready(function() {

function bounce() {

$('.ball').animate(

{ top: $(window).height() - 50 },

1000,

function() {

$('.ball').animate({ top: 0 }, 1000, bounce);

}

);

}

bounce();

});

</script>

</body>

</html>

A screenshot of a computer

Description automatically generated

**Q2. Write a web page which displays image and show the sliding text on the image.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sliding Text on Image</title>

<script type="text/javascript" src="jquery-3.7.1.min.js"></script>

<style>

body {

margin: 0;

padding: 0;

font-family: Arial, sans-serif;

}

.container {

position: relative;

width: 100%;

max-width: 600px;

margin: 50px auto;

}

.image {

width: 100%;

display: block;

}

.sliding-text {

position: absolute;

bottom: 0;

left: 0;

width: 100%;

background: rgba(0, 0, 0, 0.5);

color: white;

text-align: center;

padding: 10px;

box-sizing: border-box;

transform: translateY(100%);

}

</style>

</head>

<body>

<div class="container">

<img src="img.jpg" alt="Sample Image" class="image">

<div class="sliding-text">This is sliding text</div>

</div>

<script>

$(document).ready(function () {

$('.sliding-text').css({ transform: 'translateY(100%)' }); // Ensure starting position

$({ y: 100 }).animate(

{ y: 0 },

{

duration: 1000,

step: function (now) {

$('.sliding-text').css('transform', `translateY(${now}%)`);

}

}

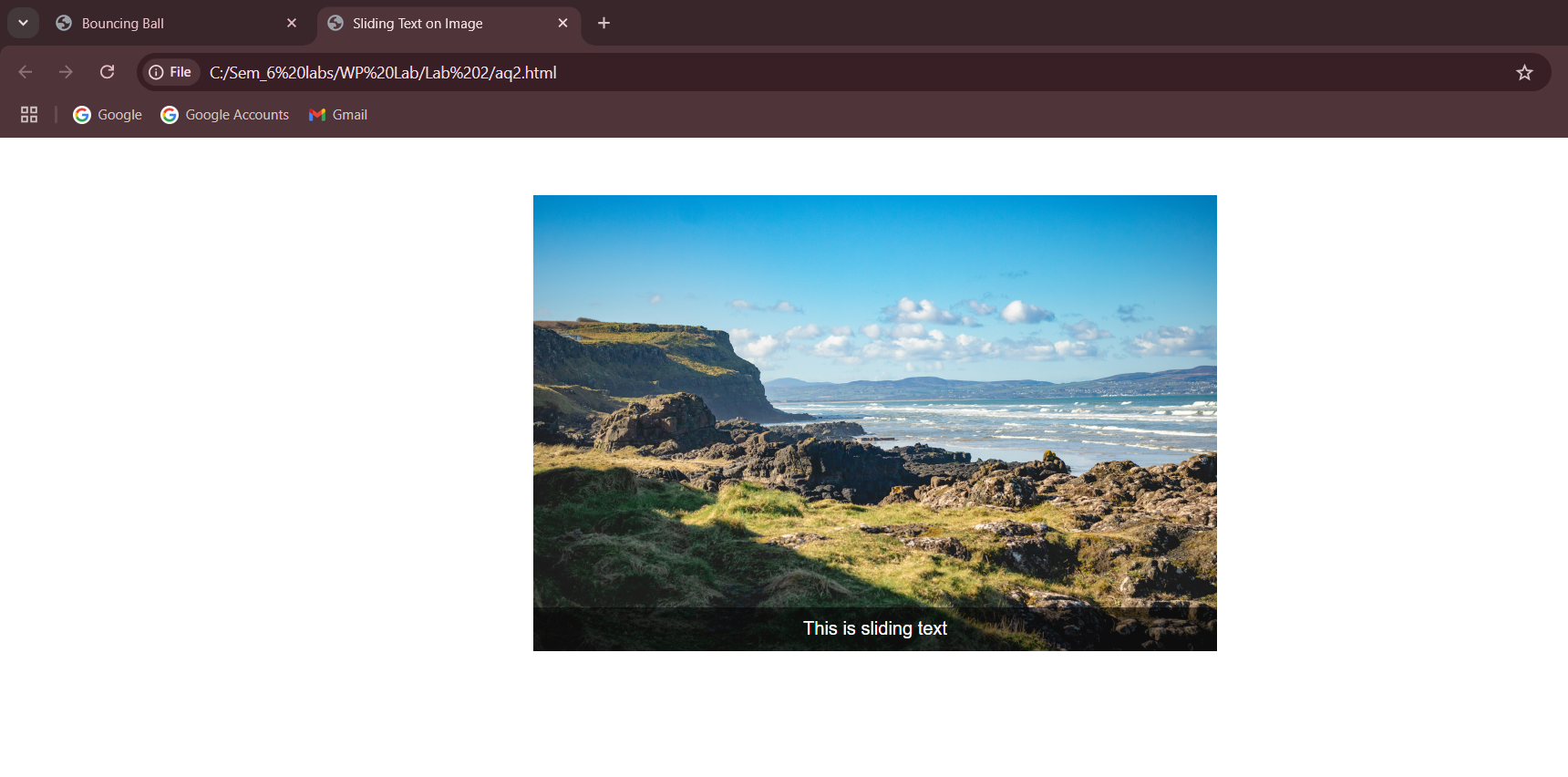
);

});

</script>

</body>

</html>

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