HTML/CSS – Exercise 8: Positioning Challenges

Assigned: N/A

Due: N/A

Completed: 10/17/22

<https://docs.google.com/document/d/1iSNlGVyTeTJpfuvq2sXHI6TisQhyqyTJPtubLUUYdzw/preview>

<https://positioningchallenges.surge.sh/>

**Positioning Challenge #1 – Circle centered inside box**

**Assignment:** Created a 500px height box with a cornflower blue dashed border and place a similarly-colored circle with a 150px diameter in the middle.

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Positioning Challenge 1</title>

    <link rel="stylesheet" href="Positioning\_Challenge\_1.css">

</head>

<body>

    <div class="container">

        <div class="circle"></div>

    </div>

</body>

</html>

**CSS**

.container {

    height: 500px;

    width: 100%;

    border: 2px dashed cornflowerblue;

    display: flex;

    justify-content: center;

    align-items: center;

}

.circle {

    height: 150px;

    width: 150px;

    border-radius: 50%;

    background: cornflowerblue;

}

**Result**

Chart, icon

Description automatically generated

**Positioning Challenge #2 – Box containing a rectangle**

**Assignment:** Create a box that is 500px in height with a dashed cornflower blue border and place inside that a rectangle that is 100% of the height and 50% of the width of the container. It should have a purple border and cornflower blue background and not overlap. Tasked with centering using margin.

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Positioning Challenge 2</title>

    <link rel="stylesheet" href="Positioning\_Challenge\_2.css">

</head>

<body>

    <div class="container">

        <div class="rectangle"></div>

    </div>

</body>

</html>

**CSS**

.container {

    height: 500px;

    border: 2px dashed cornflowerblue;

}

.rectangle {

    height: 494px;

    width: 50%;

    background: cornflowerblue;

    border: 2px solid purple;

    margin: 1px 25%;

}

**Result**

Chart, bar chart

Description automatically generated

**Positioning Challenge #3 – Box containing circles in the corners**

**Assignment:** Create a box that is 500px in height with a dashed cornflower blue border. It should contain four (4) circles of different colors (red, orange, yellow, and green) that are placed in the corners of the box with a 10px offset from the border.

**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Positioning Challenge 3</title>

    <link rel="stylesheet" href="Positioning\_Challenge\_3.css">

</head>

<body>

    <div class="container">

        <div class="circle red"></div>

        <div class="circle orange"></div>

        <div class="circle yellow"></div>

        <div class="circle green"></div>

    </div>

</body>

</html>

**CSS**

.container {

    height: 500px;

    border: 2px dashed cornflowerblue;

    padding: 0;

    display: grid;

    justify-content: space-between;

    align-content: space-between;

}

.circle {

    height: 150px;

    width: 150px;

    border-radius: 50%;

    margin: 10px;

}

.red {

    background: red;

    grid-column-start: 1;

    grid-row-start: 1;

}

.orange {

    background: orange;

    grid-column-start: 2;

    grid-row-start: 1;

}

.yellow {

    background: yellow;

    grid-column-start: 1;

    grid-row-start: 2;

}

.green {

    background: green;

    grid-column-start: 2;

    grid-row-start: 2;

}

**Result**

Bubble chart

Description automatically generated with medium confidence