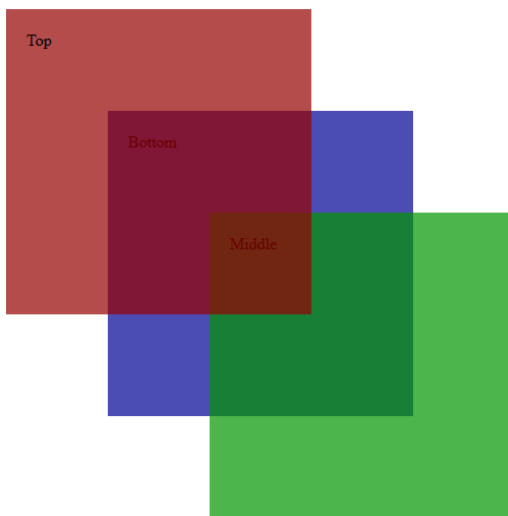


Exercise Sheet 5

Exercise 1

In this exercise, you'll create overlapping grid items to implement the following layout:



To this end, do the following steps:

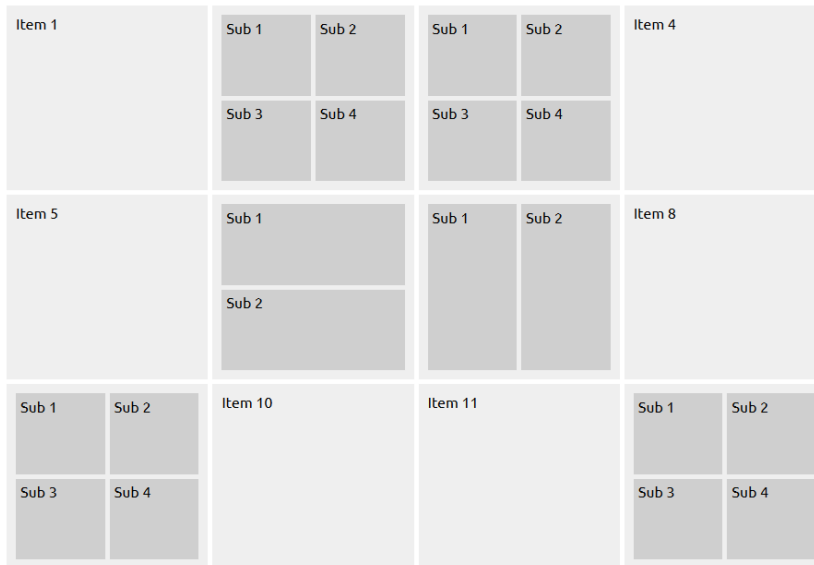
- Create a 5x5 grid and place three grid items in there. The HTML order of the elements should be top, bottom, middle.
- Make each item span a 3x3 area of the grid as shown in the graphic.
- Set each element's **z-index** property according to its intended stack order (according to the text they contain from "top" to "bottom").

Hints: For the semi-transparent *background-color*, you can use `rgba(150, 0, 0, 0.7)`, `rgba(0, 150, 0, 0.7)`, and `rgba(0, 0, 150, 0.7)`.

Solution: [View solution on GitHub](#)

Exercise 2

For this task, please re-create the following layout using nested grids:



For this, you can broadly follow these steps:

- Create an outer 3x4 grid where each row is 300px high and the four columns share all available space equally.
- Add 12 grid items in the HTML and add a `.subgrid` or similar class to the items that should contain a nested grid.
- Define additional classes for the subgrids that are only horizontally or vertically split.
- Write the CSS code to make grid items with the `.subgrid` or one of the other classes nested grids.

Hints: You can create the nested 2x2 grid by creating two rows and columns, which each distribute available space equally.

Solution: View solution on [GitHub](#)

Exercise 3

Congratulations, you inherited an art gallery! You want to sell all the artworks so you create a webpage to showcase them.

To do this, you'll combine absolute positioning with CSS Grid to indicate whether an artwork is still available or already sold, like this:



For this task, these are the main steps:

- Implement a simple 2x2 grid
- Add a `` element to each grid item which either contains the text "Available" or "Sold".
- Place the images inside of it (don't let them overflow)
- Make the grid items relatively positioned so that they become the context for absolutely positioned elements

- Position the `` elements absolutely and move them to the top-left corner.

You can download the images here: [Download from GitHub](#)

Hints: Make sure to add the relative positioning to all the correct elements (the grid items).

Solution: [View solution on GitHub](#)