What is grid

CSS Grid Layout is a powerful and flexible layout system that allows for the creation of complex and responsive grids in a relatively simple and intuitive way. With CSS Grid, you can create two-dimensional grid layouts, where items are positioned both in rows and columns. The grid can be set up with any number of rows and columns, and the items can span multiple rows and columns. This allows for more creative and flexible layouts that can adapt to various screen sizes and device types.

grid-template-columns

grid-template-columns is a property used to define the columns of a grid container. It specifies the number of columns and their size and width, using a template or blueprint. You can use fixed values like pixels or percentages, or relative values like fr units to define the columns of a grid using grid-template-columns.

fr vs px

1.   "fr" unit: The "fr" unit stands for "fraction" and is used to define the size of grid tracks as a fraction of the available space. For example, if we define two columns with "1fr" and "2fr", the first column will take up one-third of the available space and the second column will take up two-thirds of the available space. This unit is useful when we want to create grids that automatically adjust to the available space, such as responsive designs.

2. "px" unit: The "px" unit stands for "pixels" and is used to define the size of grid tracks in fixed pixels. For example, if we define two columns with "100px" and "200px", the first column will always be 100 pixels wide and the second column will always be 200 pixels wide. This unit is useful when we want precise control over the size of grid tracks.