

Grid

Assignment

Assignment

what is the grid

what is the difference between Flex and grid

How can you define rows and columns for your grid

List any two properties of the grid item and grid container.

Not : Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignment.

What is the grid?

CSS Grid Layout Module

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Header

Menu

Main

Right

Footer

Grid Layout

The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.

What is the difference Between Flex and Grid?

Differences Between Flex and Grid

Dimensionality and Flexibility

Flexbox offers greater control over alignment and space distribution between items. Being one-dimensional, Flexbox only deals with either columns or rows. This system works for smaller layouts, but cannot render complex displays such as text or document-centric properties that enable floats and columns.

Grid has two-dimension layout capabilities which allow flexible widths as a unit of length. This compensates for the limitations in Flex.

Alignment

Flexbox allows fine-tuning of alignments to ensure exact specification sharing. Flex Direction allows developers to align elements vertically or horizontally, which is used when developers create and reverse rows or

columns.

For broader alignments in both dimensions simultaneously, CSS Grid deploys fractional measure units for grid fluidity and auto-keyword functionality to automatically adjust columns or rows. The in-built automation saves developers from re-work regimes that may potentially originate in confused calculations.

Item Management

Flex Container is the parent element while Flex Item represents the children. The Flex Container can ensure balanced representation by adjusting item dimensions. This allows developers to design for fluctuating screen sizes.

For fine-tuning this aesthetic, Grid supports both implicit and explicit content placement. Its inbuilt automation allows it to automatically extend line items and copy values into the new creation from the preceding item.

How can you define rows and columns for a grid?

Grid Columns

The vertical lines of grid items are called *columns*.

Column	Column	Column

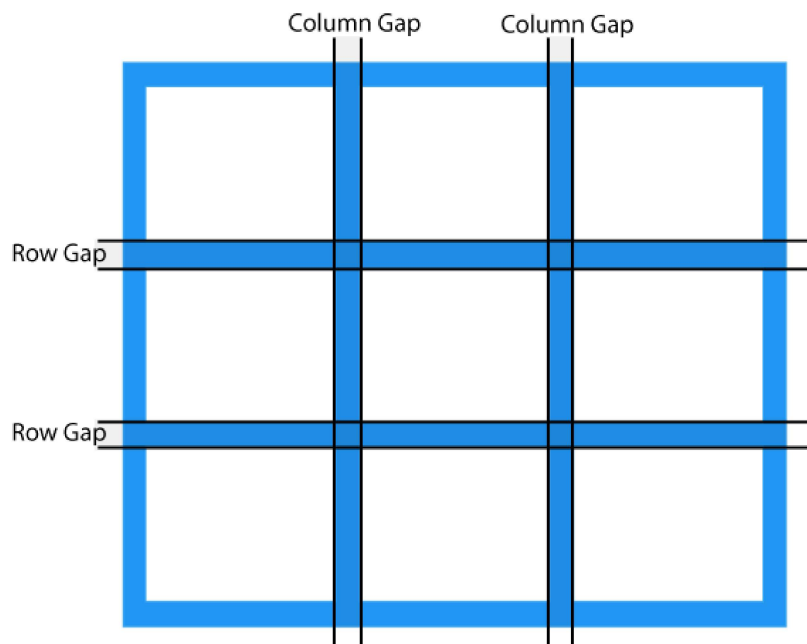
Grid Rows

The horizontal lines of grid items are called *rows*.

Row			
Row			
Row			

Grid Gaps

The spaces between each column/row are called *gaps*.



You can adjust the gap size by using one of the following properties:

- `column-gap`
- `row-gap`
- `gap`

Example

The `column-gap` property sets the gap between the columns:

```
.grid-container {  
  
  display: grid;  
  
  column-gap: 50px;  
  
}
```

[Try it Yourself »](#)

Example

The `row-gap` property sets the gap between the rows:

```
.grid-container {  
  
  display: grid;  
  
  row-gap: 50px;  
  
}
```

[Try it Yourself »](#)

Example

The `gap` property is a shorthand property for the `row-gap` and the `column-gap` properties:

```
.grid-container {  
  
  display: grid;  
  
  gap: 50px 100px;  
  
}
```

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Example