Short hand for flexible bon layout modele module Flenbon makes it easier to design a flenible nesponsive layout structure, without using float on

Before flendon, there were 4 layout models: i, Block, for sections in a webpage

in Inline, for tent

iii) Table, for 2D Table data

iv) Positioned, for explicit position of an element

A flenbon always consists of:

.) a Flen Container: the parent (container) < dir> element

-) Her items: the items inside the container colors Parent

Flen Container Properties:

Flen container becomes flenible by Flen container setting the display property to flex.

Properties.

i) flen-direction

ii, flen- wrap

iii, flen- flow

(v) justify - content

v, align-items vil alien - content

iden - direction which direction The flen. direction property defines in the container wants to stack the fler items En glen-directions display : flex; fler-direction: now | column | now-reverse | column-reverse; Hen-wrap The flex-vrap property specifies whether the literus should wrap on not En flex-de container p display: flen; flex-wrap: wrap 1 no-wrap 1 wrap-reverse; default Flex-flow Short hand for setting both direction & wrap property En . fler-container ? display. flex; flow-flow; now wrap; Justify - content Justify-content property is used to align the fler-items.

Inf It is responsible for the alignment in horizontal anis (main-anis) · justify-content can have one of the Jollowing values: * conten * flen-stant (default) * Hen-end * space - around * space - between + space - evenly center The center value aligns the flen items at the center of the container. flen-start Aligns the flex items at the beginning of the container flex-end Aligns the flex items at the end of the container space-around displays the flex items with space around them. space - between There is no space before on after at the start | and of displays the bones space - evenly The space distribution at the start, end will be equal.

En . flen-container?

display: flen;

justify-content: center | flen-start | flen-end | space-around/

space-between | space-evenly;

Align-items

The align-items property is used to align the flex items. Used for single now only

The It is responsible for the alignment of the fler items in the vertical axis. (cross-axis)

The align-items property can have one of the following values:

x center

Aflen. start

* flex-end

* stretch (default)

* basiline

* no nual

centu

The center value aligns the flen items in the middle of the container.

flex-start:

aligns the fler items at the top of the container.

* glen-end

A flow to perfectly center a flen item / dir? The set both the justify content & align-items content of align-items content to center, and the flen item / dir content be perfectly center.

CSS Flex I tems

A direct child elements of a flen container automatically becomes flerible (flen) items.

Properties of flen-items are:

- * order
- r flex-grow
- * flen-shrink
- * flex-basis
- * flen
- align-self

onder specifies the order of the flen items inside the

flex container

Default value is O.

Hen-grow

The flen grow property specifies how much a flen iten will grow relative to the rest of the

C. S

- flen items The value must be a number, default value is O. Applied to individual flex-items flen-shrink The flen-strunk property specifies how much a flen item will shrink relative to the rest of the flew items Default value is I flen - basis specifies the initial length of the flew items. Difference between width and flen-basis fler-basis (Same no change as in width) 1) Visually you won't notice any diffuence when content is less If the content is more iij when the content is than the flen width, more than the width of the flex, then the then the width will be increased. additional content will be trimmed out Content will not be iii) Overflow will be hidden trimmed out iv) That flen will not be responsite then will be responsive

The flen property is a shorthand property for the flen-grow, flex-strink à flex-basis properties flen: 0 0 200 jn;
grow strink banis Align-self specifies the alignment for selected items inside the flen container The align-self property overrides the default alignment set by the containers align-items Syntan center | flen-start | flen-end;

The grid layout module offers a grid-bared layout system, with nows & columns, making it easier to design melopages without having to use floats & positioning.

E

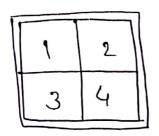
Crid vs Flendon

CSS Crid layout should be used for 2-D layout, of with nows AND columns.

CSS Flendon layout should be used for 1-D layout of with most of the should be used for 1-D layout of with most of the should be used for 1-D layout of with most of the should be used for 1-D layout of with most of the should be used for 1-D layout of with most of the should be used for 1-D layout of the should be used for 1with nows OR columns

Civid Elements

A grid layout consists of a parent element with one or more child elements.

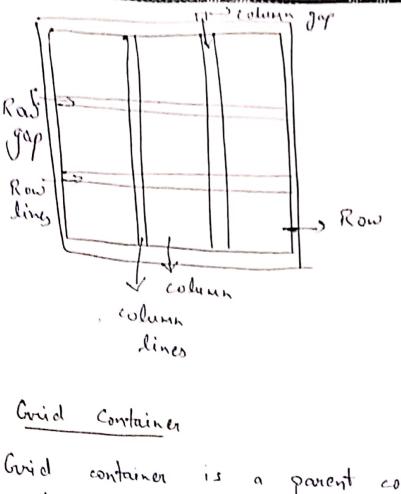


Display inoperty

In MTHL element becomes a grid container when its display property is set to grid on inline-and

En grid-container of display: grid | inline-grid;

You can adjust the gap size by using one is column-gap following properties: ii) now-gap



Guid container is a parent container that consists of grid items (child container) in now and column Jonnat grid - template - column Property

Defines no of columns in your grid layout & it can define the width of each column

En display : grid; grid - template - column: auto auto auto auto;

The nows of columns of a grid is defined with the grid-template-nows & the grid-template-columns properties (on the shorthand grid on grid-template)

Justify - content property The justify- content property is used to align the

whole grid inside the container * space - evenly * space - around * space - between * center * start * end align-content property The align-content property is used to vertically align the whole grid inside the container. (same as justify content properties) Crid Items A grid container contains grid items The grid-column Property grid - column property defines on which estages column to place an item You will define where the item will start, and where the item will end shorthand property for good-column-start and good-column-end [column 1 start à prolumn 5 end] grid-when: 1/5;

grid-column: 2/ span 3; [start on col. 2 and end before span 3 columns] The guid-now property Defines on which now to place an item Shorthard property for gud-now-start a grid - now- end The grid area Property The gaid - area property can be used as a shorthard, property for guid-now-start, guid-column-start, grid-now-end, grid-column-end. ,7 mouline 5 end En litem By grid - area: 1/2/5/6; - coldin 6 cd. Naving grid items. Header Menu Pight Footen

Naming grid items can be referred to by the a grid template - areas property of the grid container a - grid-template - areas: 'myArea myArea myArea myArea; Each now is defined by apost nophes (''). Advanced grid concepts: 9 fr unit fractional unit. Allows you to define good tracks as fractions of the available space En grid-template-columns: If If If 1 fr; 2) repeat () The CSS repeat () function is used to repeat a set of column or nows in a grid specifies the set of colors or rows that will be syntan: repeat (repeat-count, tracks) repeated. specifies the no. of times the valor on nows en guid template - columns: repeat (3, 1fr); tracks: can be : , a length value (Px, em, %, fr, ch) -) min-context -) war - content -1 auto -) winmax () -) fit-content () - I named lines