## 6. CSS RESPONSIVE LAYOUT & GRID

## Order:

A flexbox proporty that allows you to control the visual order of flex items in a flex container.

By default the flex items have bodies of 1.

osdos: -1;

Items will be displayed in according order.

Items with lowest order will come first, items with highest order

will be displayed at the end.

flex-shown: 3; 11Default value is 1.

To shrink one flex item more than the others.

This will cause the flexitem to shrink 3 times more than the other items.

fler-grow: 10;

To good one flex item more than the

others.

The flex tem will good 10 times more than the other items.

## Flexbox Froggy -> webcite

Responsiveness: Ability of website or web
application to adopt & provide an optimal UX
across various devices & screen sizes.

Responsive Design: It ensures that the content & layout of a website adjust dynamically based on device dynamically based on device characteristics such as screen width, characteristics such as screen width, height & orientation.

Is flexbox enough for responsive design?

Flexbox + Gisid > 99% code responsive You are a chef proparing a dish.

Some like mild, medium, spict.

Chef doesn't propare different dishes

Por these scenarios.

Media duexies -> extra salt, peppes,

chili that is

added for

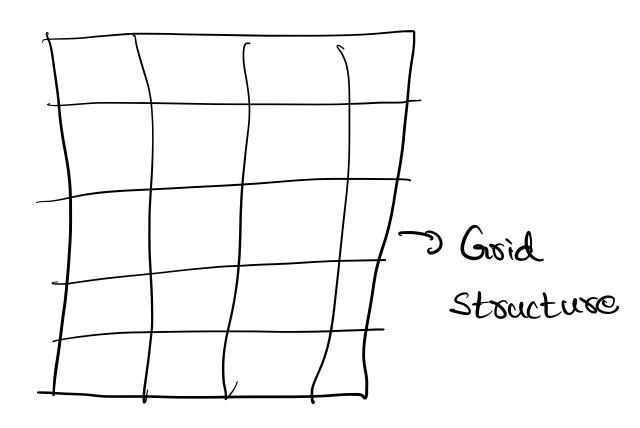
customization.

Do not Use (Use as less as possible)

Use only to make minor changes.

Media Duecies come into picture to style based on screen size.

## Groids:



Flexbod -> Assauges clements in main or cross oxis.

(12 Layout)

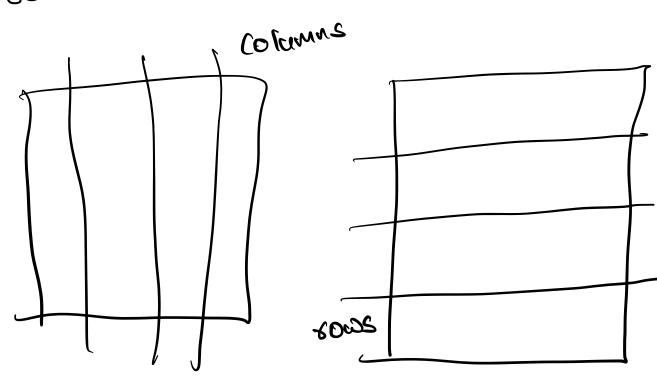
Good -> Arranges element in 200 layouts.

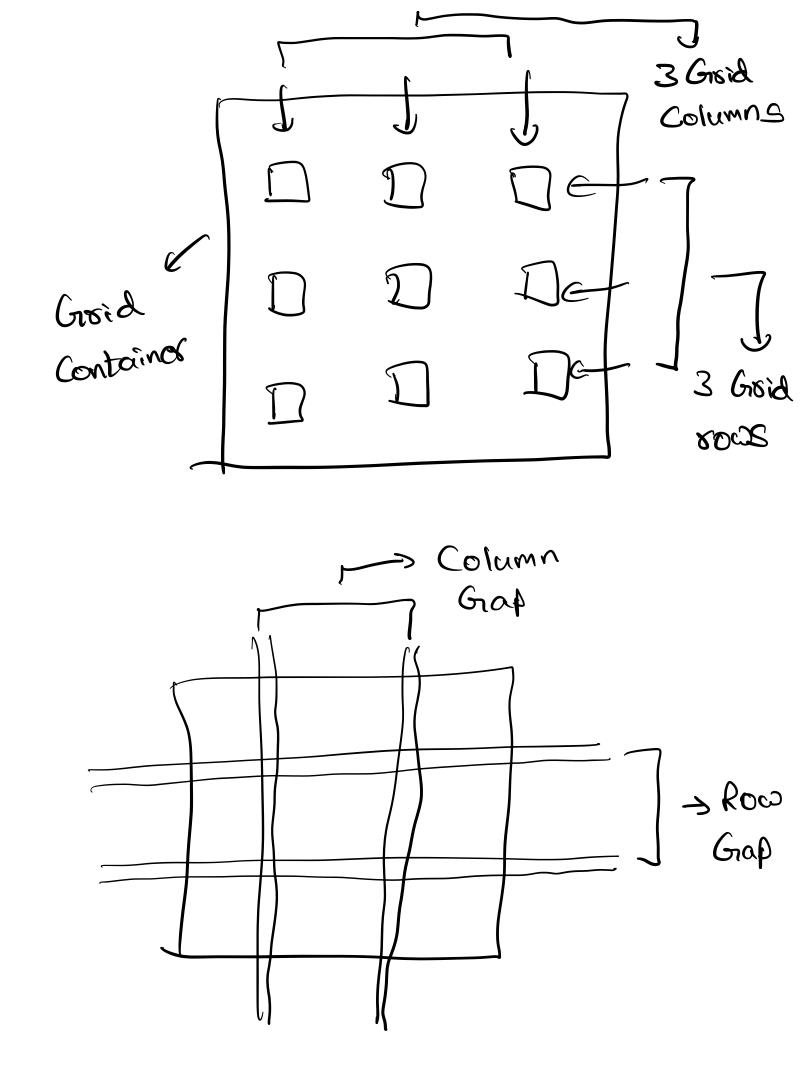
display: goid;

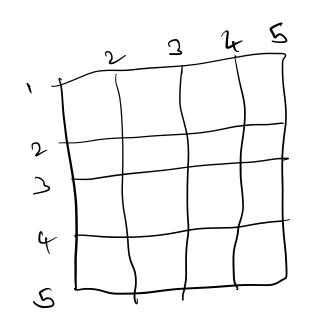
Given to a containers.

It can contain gold items.

Greid Container is visualized in teems of Greid rows & Greid Columns.







SOWS = 4 Columns = 4 SOW lines = 5 Column lines = 5

row lines = number of + 1

column times = number of + 1
Columns

goid template-columns: 100 px 100 px 100 px;

L

Gives 3 columns with 100 px

width.

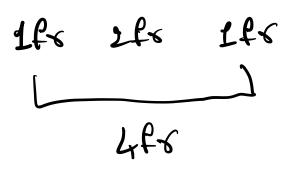
Using pixel units is not a good thing.

Better thing would be to do it based on container width.

grid-template-column: If It's It's

fra frame

The container width in this case 1200 pe is divided into 3 columns & each obumn will be 186.



Behind the scenes it's booken down into 4 frames. 2nd column is assigned 2 frames.

Let's say contained width is 1200 per goid-template-columns: 1fo 2 fo 1fo;

Total frames= 1+2+1 = 4

Size of each frame = 1200/4 = 300per

Let's = 300per

frest column = 1fs = 1x300 px = 300px

Second Column = 2 fr = 2 x 300 px = 600 px thad column = 125 2 1x 300 pt 2 300 pt

Column-gap: 20px;

D

To give space between columns.

60m-80b:30b1;

P

To give space between rows.

gap: 10 px;

To give space between to both rows & columns equally.

goid-template-rows: 100px 100px 100px;

Similar to grid-template-columns

goid-template-columns: sepeat(3, 18%);
Give me 3 186.

To apply style to a gold item without using classes lide linking styling,

item: nth-of-type (2) &

background-color: pink

3

Select second element with item class.

align-self: center; -> arranges
Noorizontally.

Unstify-self: center;

L
arranges vertically

acconges in the particular cell. These are given to gold items.

38/1 :000 - pias

Graid item should start at 800 line number 1 & end at 800 line number 3.

goid-column -> Similar to 4619 - 2007