

25 x 16

9000

Codeply

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Bootstrap

Website = Frontend + backend

Design build

(Abstract)

Data storage & many
more

- Bootstrap is used in frontend
- It available free on github
- It make pages (website) responsive
- This make website adaptable for whichever device we are using

⑥ Bootstrap has predefined element which we can directly use

→ Bootstrap has predefined CSS classes so we just have put that classes in our class element

=) Bootstrap is already predefined space we just have to use particular classes in bootstrap like Navbar & many more

Bootstrap also has layout of many sites which we can use directly as it was free to download

→ you can also able to use & edit the bootstrap

Wireframing \Rightarrow Rough Diagram how website will going
Mockup \Rightarrow How one wanted to see your website o look

ui pattern

It is a website to sample storage of website ui & you can take inspiration from them & do your work

dribble

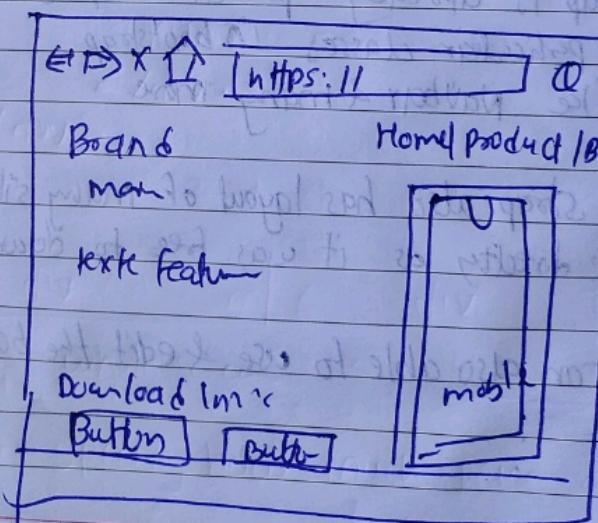
Here you will able to see portfolio & collection of large number of web developer & you can filter the results also

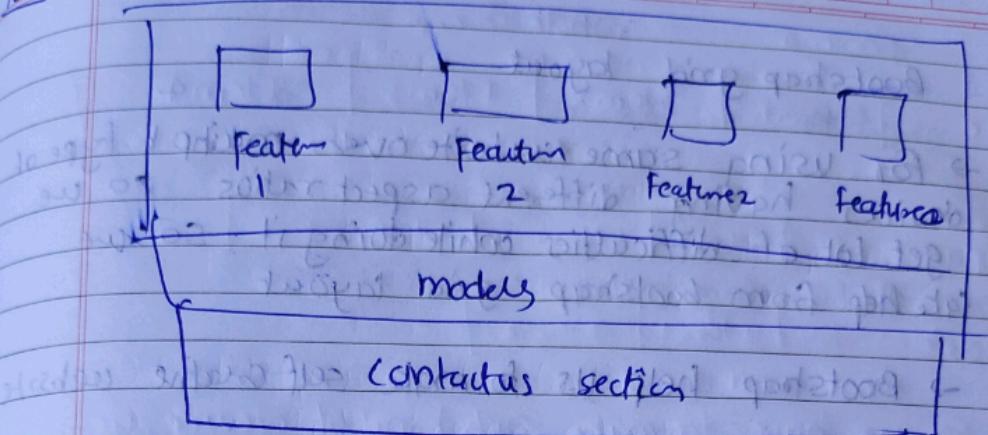
To make wireframe use pen + paper

Balsamiq

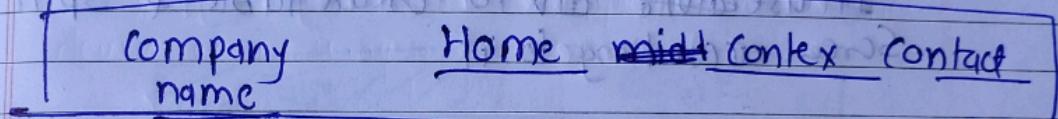
It is very useful website to create a raw workflow & which can used for creating ur website

\Rightarrow It will just create a raw idea which you will follow to make good & well looking website





#Creating a navigation bar



Black background us nav & nav classes
from bootstrap

- > There are multiple ways to use bootstrap & one of the way is that to use with link tag or local css folder

``

``

`</vib>`

`css`

`vib`

`vib`

local css is more clean and good thing about it

Bootstrap grid layout

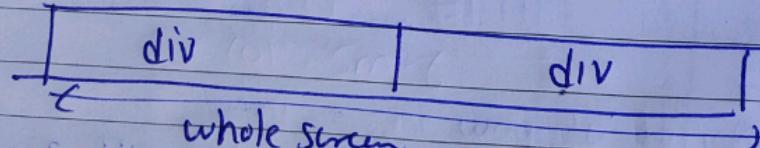
- For using same website over multiple type of devices having different aspect ratios so we get lot of difficulties while doing it so we take help from bootstrap grid layout
- Bootstrap help us to make self creative website

Class row & class col

It uses div id to create table & split screen according to it

```
<div class = "row">
    <div class = "col"> id run1
    </div> id run2
</div>
```

Output



We also specify how much space a column need

whole screen like col-12

for half screen in col we just type

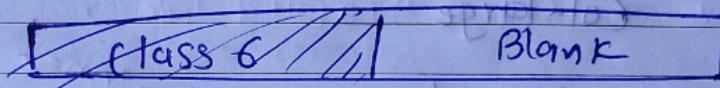
class = "col-6"

& it will allocate a column of half size.

`<div class = "row">`

`<div class = "col-6"> content </div>`

`</div>`



col-6

col-3 take a quarter of screen

↓
can't allow
for all devices

this column will be still same for all type of screens & this is power of bootstrap.

so with bootstrap we can make it universal

for this we have to use some classes

So you have classes,

col-md-number \Rightarrow laptop IPad

col-sm-number \Rightarrow IPad (tablet) mobile

col-lg-number \Rightarrow for big screen devices (PC)

Scenarios	Whole Screen			
for PC	Item 1	Item 2	Item 3	Item 4
				4 sizes are there
for IPad	Item 1	Item 2	Item 3	
for mobile	Item 1	Item 2		

So we have to make such kind of devices website
so now $12 \text{ items} / 4 = 3 \text{ per row}$

In for pc we use large type
Col-large

So we have to show 4 windows so our
class will be $12 / 4 = 3 \text{ per sec}$

Design for IPad
to show $\Rightarrow 3$ size of one block/col
be $12 / 3 = 4$

Total for mobile
display = 12 to show 2 so total blocks = $12 / 2 = 6$

Col-Sm-6

If we use div to use or for table

$$6 - 4 = 1 \rightarrow 3 \\ 1/2/0 = 1^2/4^2/12^2 = 1/2$$

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col-1g-2 col-sm-12 col-md-2

5 3 2

#Containers in bootstrap

It is a division class in which we can store any type of element

→ We can give data whatever we want inside the container

It is predefined such a way that it will be responsive

Only class="container" will take only 80% of page
if you want 100% use class "container-fluid"

(class = "container-fluid")

Container-fluid is also not responsive but it is adaptive (it's size not changes) text alignment / elements alignment (in it changes)

so if we can design / modify it on our will too.

So you can edit Container fluid & make / add padding as inbuilt it does not have

adaptiveness is good!

fontawesome

⇒ free icons

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button has attribute & preset button
& you can change size

bsm-lg, bsm-sm, bsm-md

Bootstrap slideshow

⇒ Carousel

Classes used

<div class="carousel slide">

<div class="carousel-inner">

<div class="carousel-item active">

at least one item's inside carousel inner 0 should
be active

if say id is Bfff
& we have target if with

href="#Bfff"

this is the way to target

⇒ we have automated slideshow also, button
slideshow & you can set up time interval

`time-slide="false")` → non automated
data-slide="true" → Slideshow
`on click slide = "true"` → automated slideshow.

→ You can use any tag & can use it as button
Just assign role = "button"

& for previous button

`data-slide = "prev"` or `data-slide = "next"`

`data-slide` is changed for

`data-bs-slide`

Cards in html

It is main div class & has 3 sub div classes

Ex:

```
<div class="card">  
  <div class="card-header">  
    <div>x</div>  
  <div class="card-body">  
    </div>  
  <div class="card-footer">  
    </div>
```

⇒ To put the card side by side
use class ⇒ `"card-deck"`

things which comes first will be at last
of Html in screen perspective check it via
absolute positioning

#CSS z index

In css we have 3 axis so we have
align elements back & forth relative to each
other with zindex

HTML blocks are stack on each other
⇒ child block is always stacked over the
parent block

so for seeing it without much trouble we
have CSS z index also known as CSS stacking
index

So z index is by default it is 0

latest ⇒ code which is at bottom of html
z index of topmost element has
acquired by zindex

z-index: 1 ⇒ topmost

z-index: -1

-1 is z index for bottom most element

for some z value bottom most element will
be stacked on first or on top

⇒ the zindex only work if your element
has some positioning whatever it is Relative
absolute or fixed

higher the value of z-index higher will be its position
but position element must be their

main given a chart to know things

called stackingorderchart.pdf

#CSS media query

So there is different in views can be seen in
the website as it has many problems regarding
when you use website on phone & when
you use in devices like mobile

taking notes from slides of chapter 2 part

Refactor the code

html
code