If you plan to pick up some coding skills,

Bootstrap 4 is a solid choice!

Why?

development:

It is the gold standard of front-end



have to code most

.active

elements from scratch.





Plus, it's super versatile and can be used to create any type of website in no time.

framework for front-end website development. Primarily, it is a CSS mobile-first

What is Bootstrap?

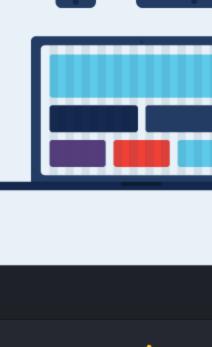
design and includes both CSS and JavaScript templates for such things as forms, buttons,

Bootstrap 4 is a popular

navigation, typography, dropdowns, popovers, modals, and carousels, along with other interface elements. But don't

type of website. You can check out full documentation on the official website.

and you can use it to code any





Bootstrap.js A JavaScript/JQuery library that powers up certain components of Bootstrap such as animation, scrolling, and interactivity.

<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"</pre> integrity="sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossorigin="anonymous"></script> <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"</pre> integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9I0Yy5n3zV9zzTtmI3UksdQRVvoxMfooAo"

Glyphicons Glyphs are elemental symbols with typography, such as the English Pound symbol (\mathfrak{L}) . Bootstrap has a huge list of embedded glyph icons that are

available for free.

Bootstrap source code elements The Bootstrap source code download includes the precompiled CSS, JavaScript, and font assets, along with source Less, JavaScript, and documentation. less/ - a preprocessor style sheet for CSS that eliminate repetitive coding tasks sass/ - a newer version of the preprocessor that is more popular js/ - simply refers to the source code JavaScript, which allows Bootstrap components to work

Note: Bootstrap also requires jQuery installation for Bootstrap's JavaScript plugins. jQuery is a feature-rich component of the JavaScript library, and it <script src="https://code.jquery.com/jquery.js"></script>

dist/ - a folder that contains precompiled files for drop-in use in website development

whittles down lots of JavaScript code and wraps them into actions you can accomplish with a single line.

Bootstrap Screen Sizes Bootstrap 4 is a mobile-first responsive framework. But still you need to provide screen size instructions when you are creating page layout grids. Below are the standard screen sizes for reference:

<script src="js/bootstrap.min.js"></script>

@media (max-width: @screen-xs-max) { // < 768px (xsmall phone) @media (max-width: @screen-sm-max) { // < 992px (small tablet) @media (max-width: @screen-md-max) { // < 1200px (medium laptop)</p>

768

XS

PHONE

992

SM

TABLET

1200

MD

LAPTOP

LG

DESKTOP



Use badges to display extra information next to

a category, button, or other element. You can

elements (e.g., .badge-warning). Also, badges

Use this command to modify the shape of your

You may want to add a badge to primary (more

badges, making them more rounded.

.badge-primary + .badge-secondary

Suppose you want to make a button

create and style them with other context

will scale to match the size of the parent element (e.g. headings). Lastly, you can use badges as a part of buttons or links to provide

Suppose you have a number of headings and .alert-secondary you are adding a badge. That badge will adjust Add a secondary alert (less important in size to match the heading. message) in light gray color.

successful. .alert-warning This will send a message of an upcoming action.

A danger alert is similar to a warning alert, but

for more negative actions (e.g., getting locked

Alerts are messages to users when something

incorrect email address or credit card number,

is wrong. For example, if a user types in an

You can create colorful alerts for any texts.

Primary alert (more important message) is in

they'll receive an error alert message,

prompting them to make corrections.

out after too many password fails) .alert-link So you want to add another message and a link to that message in the original alert? You can

embed that message and in the same color.

reading it. .alert-heading Add a quick header to your alert. (e.g., "shipping

Provides an option to close the alert after

Collapse & Accordion Collapse is a JavaScript plugin you can use to

hide content under the "collapse" menu. The

collapsed element will animate it's height from

O to its normal value when triggered and vice

Hide your content. .collapse show Display the collapsed content.

Activate content as collapsible element; accepts optional objects .accordion An extension of collabsaple behavior to cards. You can use this feature to create an accordion.

Note: You must use .accordion as a wrapper

Cards Cards are flexible containers with options for

and more. They replaced several earlier components (panels, wells, and thumbnails) from Bootstrap 3.

.card-subtitle

.card-img-top You can also enclose an image to your card. This snippet will add one atop of it. .card-img-bottom Or you can have the image displayed as a

Place a custom header at the top of your card. It will be displayed above all the titles and

element, with every card having the same width and height. You can also apply display: flex; to improve sizing. Note: Group card layouts are not responsive!

Jumbotron

.jumbotron-fluid Slightly changes the look of jumbotron and makes it full-page wide without rounded

components as pills. .Nav-justified Equalize the widths of all tabs/pills by adding

Navbar Navbar is a responsive navigation header with

Navbars come pre-furnished with support for

your text stand out more. It was pre-designed to accommodate a product or company name.

some sub-components. This element will make

.form-inline

Tooltips are small text pop-ups that provide users with some additional context on the button or another website element. In Bootstrap 4, tooltips use Popper.js library for

Bootstrap Styling Essentials

Small ≥ 544px Medium ≥ 768px Large ≥ 992px Extra large ≥ 1200px Grids and Columns Easy to layout and align content through

important) and secondary (less important) messages. .badge-transparent

in-line styling.

previous/next controls.

.carousel-fade

the next one.

.custom-checkbox

.custom-radio

.custom-switch

.custom-file

Forms

.form-group

.form-control

.form-control-file

new responsive classes.

such as user input, titles, etc.

checkbox for your form.

counters.

.badge-pill

Example: Headings

Carousel Set up a slideshow to cycle through a series of slides, text, or images. Built with CSS 3D and some JS. You can add images, text or custom markup, as well as add or remove

transparent to make it stand out from the rest.

With Bootcamp 4, you do not have to use

.carousel-indicators Add control and support for next/previous and indicators such as slide number. .carousel-caption

Add a funky caption to each or several slides.

Add this cool fade out effect for a slide before

Carousel Slide - creating a single slide

Custom Forms Bootstrap 4 has several customized form elements that replace the browser defaults.

As the name implies, you can build a custom

Lastly, you can also create a stylish custom switch. .custom-select Use this command to add a custom select

...and you can style a custom radio too!

Customize user file upload. To do so, add .custom-file class around the input with type="file". Then add the .custom-file-input to it. .custom-range

Design a custom range menu.

You can easily build attractive forms and code custom styles, layouts and additional elements. In Bootstrap 4, forms also received some new input controls such as number election, email verification and others, along with a bunch of

Use this class to style all textual form controls

ones.

checkboxes using form-check-input" type="radio". .form-check-inline Create a horizontal list of checkboxes.

Specify that certain form input is read only. This

will prevent modification of the input's value.

.readonly boolean attribute

Media Object

.media

.media-body

Nested Media

object in.

align in the middle or end.

Bootstrap 4 lets you build complex, repetitive components featuring texts and some media. Media objects are a cool tool to build tweet-like elements and featured boxes. Also, they are ridiculously easy to use as they require just two classes.

Use the .media wrapping and .media-body

object. Here is a sample for a heading.

around the content to create a single media

A class specifying what would be inside of your

object. You can code different alignments for

your content. The default is top, but you can

You also have the option to include more than

beginning at left margin and tabbing each new

one media object. Objects are nested by

(Plugin) This is a JavaScript plugin used to add dialogs to a site, such as user notifications, custom content, and lightbox popups.

Bootstrap Modal

.modal fade Enabled fading for the content. .modal-lg, -sm, -xl You can also adjust the sizes of your modals.

If you know HTML, paginators are nothing new

to you. With Bootstrap you have several

.pagination – basic pagination example

You can choose to disable one of the

pagination elements or several ones.

You can choose to center all content vertically.

When you need to pack in more content into a

add this class to make it scroll it independently

modal (e.g. a lengthy privacy policy), you can

Use this plugin to add that animated spinner.

List-unstyled – remove the default list style. .text-lowercase .text-uppercase .text-capitalize .text-truncate .text-nowrap

Button Group

.button-primary + .button-secondary

Design your buttons using the standard predefined styling options: .btn-outline .btn-lg + .btn-sm

Breadcrumbs are navigational components that

will help users move from page to page without

getting lost and give them the way to pedal

As the name hints, button command lets you

A primary button is commonly used for a user

action; a secondary button may then be used to

back to a previous page...

create and style ... a button.

.buttons

close out.

separately.

.btn-group .btn-group-vertical Style a vertical group of buttons

similarly-sized buttons without coding each

Use this element to make a group of

.btn-group (Nested) You can also create nested buttons with drop down menus. .btn-toolbar Arrange button groups into a toolbar to make

.btn-group-toggle

more complex components. You can apply different utility classes for additional styling.

Install Bootstrap Toggle plugin to modify checkboxes into toggles. You can then add

modified buttons to enable their toggling

data-toggle="buttons" to a button group with

behavior via JavaScrip. Afterwards, use .btn-group-toggle to style different inputs within your buttons. **Dropdowns**

Use this plugin to create contextual overlays for

displaying lists of user links. It's a handy option

through Popper.js, part of a third-party library. Thus, Make sure you include popper.min.js

before Bootstrap's own JavaScript. Or you can

Quick styling tip: all dropdowns in Bootstrap are

bootstrap.bundle.js. Both contain Popper.js.

for creating menus. Dropdowns are built

.dropdown Add a simple dropdown menu with buttons. .dropdown-toggle-split

just use bootstrap.bundle.min.js/

toggled by clicking, not hovering.

Create split button dropdowns with proper spacing around the dropdown caret. .dropup Did you know that you can style a menu coming up rather than down? Now you do! .dropright Provide the menu to the right of the button. .dropleft ...And you can also display the menu on the

You can also choose to disable any menu item(s). .dropdown-divider Add a simple divider between menu elements to draw extra attention.

Add non-interactive dropdown items to your

.dropdown-item-text

.dropdown-item disabled

.dropdown-menu-right

the input field.

.input.group - Basic Example

...Or list them behind the input.

.input-group-prepend

.input-group-append

.input-group-text

Align the entire menu to the right

menu.

Input Group Input group element lets you create more interactive and attractive form controls. Use it

to add texts, icons or buttons on both sides of

Provide additional texts in front of the input.

List Group

lots of options for styling and layouts.

.list-group - Example

Use list groups to display series of content, with

Use this class to style specified texts.

.list-group-item active Add .active class to highlight the current active selection in the list. .list-group-item disabled Show that one of the list items is not

available/disaibled. Some active elements (e.g.

links) will require custom JavaScript on top of

Add more interactivity to your list by adding

styling effects (disabeled, hover, active, etc.) to

borders and rounded corners. All the items will

.disable to become fully inactive.

.list-group-item-action

individual items.

.list-group-flush

danger)

Table

parent.

.table - example

.thead-light and .thread-dark

.table-dark

.table-striped

.table-bordered

.table-sm

padding in half.

Progress

your progress bar.

progress

to alerts.

your table zebra-stripey.

Create a basic list group with several items.

be placed edge-to-edge. .list-group-horizontal You can also set your list up horizontally rather than vertically. You can also code the list group to become horizontal starting at a certain breakpoint's min-width using

.list-group-horizontal-{sm|md|lg|xl}.

flush list groups at the same time.

NB: You can't use horizontal list groups with

.list-group-item (light, dark primary, secondary,

Apply standard styles to individual list items.

transparent, white, warning, success, info,

Change the look of our list by removing

Bootstrap offers an easy-peasy way to create tables. Add base class .table to an and add-on extra custom styles. NB: All table styles are inherited in Bootstrap 4. Every nested table will be styled just as the

Create a table with a dark background and light

You can also choose to highlight only one of the table entries using the dark/light attribute.

Add this class to within the to make

Style borders for all the cells and table sides.

.table-borderless Ditch the borders to give your table a minimalistic flair. .table-hover Add a hover state on table rows.

Minify your table. This class will cut the cell

.table-active (-primary, -default, -secondary,

-success, -danger, -warning, -info, -light, -dark).

.progress-bar Use this command to specify the current progress. .progress-bar-striped

Add some stripes to the progress bar section.

The class for setting up a basic progress bar. It

acts as a wrapper, indicating the max value of

.toast

Lead When you want to add emphasis to a specific paragraph of content, you can make the font a

You can easily and quickly manage your layouts, alignments, sizings, navs, displays,

Develop a custom progress bar and add additional styling elements such as animation and text labels if you like.

Add Multiple Progress Bars You can simultaneously add several bars to indicate progress for different elements. Adjust the allocation for each one up to your liking. **Toasts**

bit larger and even thinner, so that the paragraph stands out visually.

A plugin that allows you to add "push notifications" with Flexbox - very easy to

element.

No get those stripes moving, barber's pole style.

If you are inserting a quote that is a bit lengthy, this will class allow you to set it off from the Add the source of a quote by adding the footer

This prevents super-long texts from breaking the look of your other design elements.

.progress-bar-animated

Blockquote

rest of the text. **Blockquote Footer**

position and align. use these as an alternative

.flex-column and .flex-column-reverse Set direction of columns or reverse to set from

If you are ready to roll, download our free Bootstrap cheat sheet in PDF.

misjudge it: Bootstrap also offers plenty of room for customization

Bootstrap.css

Key Bootstrap Components

This is the basic Bootstrap package that you will need to download. CSS is a style sheet language for static information. <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"</pre> integrity="sha384-Vkoo8x4CGs03+Hhxv8T/Q5PaXtkKtu6ug5T0eNV6gBiFeWPGFN9Muh0f23Q9Ifjh" crossorigin="anonymous">

crossorigin="anonymous"></script> <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"</pre> integrity="sha384-wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl30g8ifwB6" crossorigin="anonymous"></script>

fonts/ - these are icon fonts that come with the download

To install plug-ins:

light blue color. .alert-success This will alert a user that their action has been

.alert-danger

.alert-primary

an entire page or just a piece of content within that page.

versa.

.collapse

.collapse.options

.card-text Add some words to your card. As many or as few as you want.

.card-footer .card-group

featured content or message. In Bootstrap, jumbotron looks like a grey box with rounded corners that automatically enlarges all the font .jumbotron

.nav-fill

Set a fixed nav bar as primary and in dark color **Tooltips**

Flexbox; totally responsive. You get a 12-column system, 5 tiers by default, predefined classes and lots of variables. **Grid Sizing Options** col-xs-: container width - auto/none; column width - auto. .col-sm-: container width – 750px; column width - ~62px .col-md-: container width – 970px ; column width - ~81px ~97px

address" or "billing address"). It could relate to

.alert-dismissible

You can also add subtitles to every card for some extra fanciness. .card-link Embed a link inside your card. Add this class to an <a> tag.

subtitles.

A flexible component that will help you create big boxes to command more attention to

Nav

.card-body .card-title Code a title for your card. Add this to a <h*> tag.

sizes and texts inside of it. You can add any HTML and other Bootstrap classes inside a jumbotron. corners.

.navbar-brand

Column Sizes .no-gutters

Shadows

.shadow

.shadow-none

.shadow-sm

.shadow-lg

WebsiteSetup.org

Play around with card layout and build a group of cards. A group will act as a single, attached

.nav-tabs

.navbar-expand (-sml -mdl -lgl -xl) Enable responsive collapsing. .navbar-toggler Program different navigation toggling behaviors

For most components, layouts and grid systems Bootstrap uses the following breakpoint values: Extra small < 544px

.col-lg-: container width – 1170px; column width

the texts. .card-header Also, you can code a footer for your card to communicate some extra info. It will go right after the .card-body.

.nav is a base class that helps you build all

lots of flexibility and support for branding, forms, links, and more. NavBar – basic navigation headers at top of page

positioning. That's why to use them you must include popper.min.js before bootstrap.js or use bootstrap.bundle.min.js / bootstrap.bundle.js. documentation.

Basic .container parent grid .container-fluid viewpoint. Select among xs, sm, md, lg. Again, when you

sorts of navigation components, even with style overrides. You have lots of options for customization. .nav example .nav-items A class to specify a new item in the navigation menu.

.navbar-text Use this class to add centered text strings vertically and horizontal spacing

bottom of the card. Your call. .card-img-overlay Use an image as a background and overlay all

.nav-justified to .nav, .nav-tabs, or .nav, .nav-pills. Justified Nav Elements Example Instead of justifying, you can also force your menu items to fill in all the available space using this command. However, all the items will not have the same width.

headers/footers, colors and display options, The main element of the card. Use it to add a padded section within your card.

.nav justify-content-center

Breakpoints

Create 3 equal columns with predefined grid Scale your container to span over the entire

.card-columns You can organize your cards into Masonry-like columns. This allows you to build some creative patterns using only CSS. NB: If your cards are breaking across columns, set them to display: inline-block. .card-deck Assemble a set of non-attached cards with equal height and width.

.nav justify-content-end Or justify your content to the right. Add some cool tabs to your navigation menu. Note: You'll need tab JavaScript plugin installed. .nav-pills Alternatively, you can style the menu

Align your nav horizontally in the center.

(e.g. keep items active or collapse them). Place a form (e.g. search bar) in nav heading. .collapse.navbar-collapse Group and collapse navbar contents by a parent breakpoint. .navbar fixed-top

For more advanced customizations and JavaScript methods, check the official Tooltip

Alignment How and where do you want to align your content, buttons, etc. - right, left, center? .border .align-baseline .align-top -middle - bottom: place buttons where you want. .align-text-top -bottom: place text where you want

add decorative contrasts for extra appeal.

Modals consist of HTML, CSS, and JavaScript. And you can display one modal window at a time only, as Bootstrap creators deem nested models as a poor UX practice. Modal Example

.modal-dialog-centered

.modal-dialog-scrollable

Paginators

options for styling them.

.page-item disabled

Popovers

content.

List some texts.

.page-item active active indicates the current stage by highlighting it with blue. .pagination-lg Make your pagination bigger and bolder. .pagination-sm Or make it petite and less visible in size.

Popover plugin enables you to create a pop-up

box with content and other elements, activated

Popovers are similar to tooltips, but fit more

whenever a user clicks on the element.

Everything you need for headings, body text, lists, and much more. Text Alignment - left, right, centered, justified **List inline** – display a list in a line

.text-monoscape

.text-decoration-none

.text-hide

.initialism

Add a smaller font-size to style abbreviations. **Flex** opposite direction.

single Bootstrap utility tool. Flex - sm-lg-md-xl sizes and be fully responsive.

Floats .float-left floats item left - all sizes .float-right Floats item right - all sizes .float-none add columns, they have to fit the screen sizes Removes float - all sizes of all devices or users will be frustrated .clearfix Removes float from parent element The standard space between columns is 15px on each side. But you can remove it. **Borders** Borders add elegance to a site. Use them for emphasis or aesthetics

> configure the position of elements Position an element at the top of viewport, going from edge to edge. .fixed-top, .fixed-bottom Place an element at the top or bottom of the viewport, from edge to edge. **Visibility** tune the visibility of any element

colors, alignment, and much more with this Size all of your elements using predetermined .flex-row and .flex-row-reverse Set horizontal direction or reverse it to start from the opposite side.

.flex justify-content right or left, and when you want that justification to start and end. .flex align-items ends for a list of items. .flex align-self-start for a selected item within that container

Add this class whenever you need to provide the user with an option to upload a file to the form. .form-control-lg and .form-control-sm. Create a visual hierarchy within your form by adding .form-control-lg to make bigger input areas and .form-control-sm to make smaller .form-control-plaintext Use this class to correctly display <input readonly> elements in your form. It will replace the default form field styling with plain text, while keeping the correct margin and padding. .form-control-range Set horizontally scrollable range inputs for your .form-check Add checkboxes to your form. Note: You can also add radio buttons instead of

from the page. NOTE: Bootstrap offers a demo of all of these components at the Modal page. They are worth a look.

Typography:

Scrollspy A handy plugin you can use to highlight nav links or items in list groups to let a user know where they currently are on a page. **Spinner** Spinners are built with HTML and CSS only, without any JS. But...you may need JavaScript for some styling options e.g. to toggle their visibility. Also, you have sveral nice options to choose from.

<div class="visible">...</div> Invisible <div class="invisible">...</div>

Visible

.Flex-fill This utility forces all elements to occupy an equal width while taking up all the available horizontal space. .Flex-grow-* minimally sufficient space. **Position** .Flex-shrink-* minimal size to fill in the available space. .flex-nowrap, .flex-wrap-reverse and

(wrap-reverse).

(nowrap), or do the reverse wrapping act.

One of the flex items will fill all the available space, while ensuring that others also have

Activate the item's ability to shrink to the most

Use these classes when you want items either to wrap to the next line, or to fit on a single line Add this class when you want to justify text on Specify when the alignment begins and when it You can also override a containers alignment