

The background features abstract, overlapping geometric shapes in various shades of purple and blue, creating a modern, layered effect. The shapes are primarily triangular and polygonal, with some areas appearing more translucent than others.

Course Module 1: Course Unit 9: Bootstrap (Components and List Group)

Week 11

Bootstrap (Components and List Group)

Objectives:

1. Classify bootstrap components and list group.
2. Execute bootstrap components and list group.
3. Design a webpage using bootstrap components and list group.

Participation Task - W11

Answer the google form:

<https://forms.gle/Z5xCExgLRGPRx7fM9>

https://www.w3schools.com/bootstrap/bootstrap_quiz.asp

The background features abstract, overlapping geometric shapes in various shades of purple and blue, primarily concentrated on the right side of the image. The word "Bootstrap" is centered in a black, cursive-style font.

Bootstrap

Bootstrap

- most popular and powerful front-end (HTML, CSS, and JavaScript) framework for faster and easier responsive web development.
- includes HTML and CSS based design templates
- originally created by a designer and a developer at Twitter in mid-2010. Before being an open-sourced framework, Bootstrap was known as Twitter Blueprint.

Responsive web design is about creating web sites which automatically adjust themselves to look good on all devices, from small phones to large desktops.

Bootstrap Components

Bootstrap Components

1.Accordion

2.Alerts

3.Badge

4.Breadcrumb

5.Buttons

6.Button Group

7.Card

8.Carousel

9.Dropdowns

10.List Group

11.Modal

12.Navs

13.Navbar

14.Pagination

15.Popovers

16.Progress

17.Scrollspy

18.Spinners

19.Toasts

20.Tooltips

Accordion

- **Accordion** is a series of panels stacked on the top of each other.
- Accordion menus and widgets are widely used in the web applications to manage the large amount of content and navigation lists in a small amount area. With Bootstrap collapse plugin you can either create accordions or show and hide content without writing any JavaScript code.

Accordion

[How to Create Accordion with Bootstrap 5 - Tutorial Republic](#)

1. What is HTML?



2. What is Bootstrap?



Bootstrap is a sleek, intuitive, and powerful front-end framework for faster and easier web development. It is a collection of CSS and HTML conventions. [Learn more.](#)

3. What is CSS?



Alerts

- **Alert** boxes are used quite often to stand out the information that requires immediate attention of the end users such as warning, error or confirmation messages.
- With Bootstrap you can easily create elegant alert messages for various purposes by adding the contextual classes (e.g., `.alert-success`, `.alert-warning`, `.alert-info` etc.) to the `.alert` base class. You can also add an optional close button to dismiss any alert.

Alerts

[Bootstrap 5 Warning, Info, Success and Error Alerts - Tutorial Republic](#)

- Bootstrap provides total 8 different types of alerts. Most commonly used alerts, which are: success, error or danger, warning and info alerts.

Success! Your message has been sent successfully.



Error! A problem has been occurred while submitting your data.



Warning! There was a problem with your network connection.



Info! Please read the comments carefully.



Alerts

[Bootstrap 5 Warning, Info, Success and Error Alerts - Tutorial Republic](#)

- the remaining four Bootstrap alerts that can be used for various purposes.

Primary! This is a simple primary alert box.



Secondary! This is a simple secondary alert box.



Dark! This is a simple dark alert box.



Light! This is a simple light alert box.



Badge

- **Badges** are generally used to indicate some valuable information on the web pages such as important heading, warning messages, notification counter, etc.

Bootstrap heading **New**

Bootstrap heading **New**

Bootstrap heading **New**

Bootstrap heading **New**

Bootstrap heading **New**

Bootstrap heading **New**

Tip: Bootstrap badges scale automatically to match the size of the immediate parent element by using the relative font sizing and em units.

Badge

Bootstrap 5 Badges - Tutorial Republic

Example

```
1 <span class="badge bg-primary">Primary</span>
2 <span class="badge bg-secondary">Secondary</span>
3 <span class="badge bg-success">Success</span>
4 <span class="badge bg-danger">Danger</span>
5 <span class="badge bg-warning text-dark">Warning</span>
6 <span class="badge bg-info text-dark">Info</span>
7 <span class="badge bg-dark">Dark</span>
8 <span class="badge bg-light text-dark">Light</span>
```

Primary

Secondary

Success

Danger

Warning

Info

Dark

Light

Breadcrumb

[Bootstrap 5 Breadcrumb Navigation - Tutorial Republic](#)

- A breadcrumb is a navigation scheme that indicates current page's location to the user within a website or application. Breadcrumb navigation can greatly enhance the accessibility of a website having a large number of pages or complex navigational hierarchy.

Example

```
1 <nav>
2   <ol class="breadcrumb">
3     <li class="breadcrumb-item"><a href="#">Home</a></li>
4     <li class="breadcrumb-item"><a href="#">Products</a></li>
5     <li class="breadcrumb-item active">Accessories</li>
6   </ol>
7 </nav>
```

[Home](#) / [Products](#) / Accessories

The default breadcrumb separator is /.

Buttons

- **Buttons** are the integral part of a website and application. They are used for various purposes like, submit or reset an HTML form, performing interactive actions such as showing or hiding something on a web page on click of the button, redirecting user to another page, and so on. Bootstrap provides a quick and easy way to create and customize the buttons.

Buttons

- Different classes are available in Bootstrap for styling the buttons as well as to indicate the different states or semantic. Button styles can be applied to any element. However, it is applied normally to the `<a>`, `<input>`, and `<button>` elements for the best rendering.

Buttons

[Bootstrap 5 Button Styles - Tutorial Republic](#)

Example

```
1 <button type="button" class="btn btn-primary">Primary</button>
2 <button type="button" class="btn btn-secondary">Secondary</button>
3 <button type="button" class="btn btn-success">Success</button>
4 <button type="button" class="btn btn-danger">Danger</button>
5 <button type="button" class="btn btn-warning">Warning</button>
6 <button type="button" class="btn btn-info">Info</button>
7 <button type="button" class="btn btn-dark">Dark</button>
8 <button type="button" class="btn btn-light">Light</button>
9 <button type="button" class="btn btn-link">Link</button>
```

Primary

Secondary

Success

Danger

Warning

Info

Dark

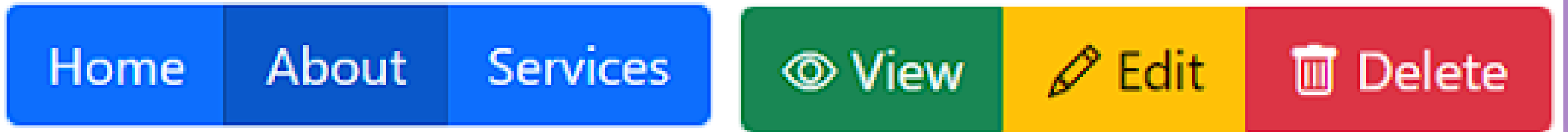
Light

[Link](#)

Button Group

[How to Use Bootstrap 5 Button Group Component - Tutorial Republic](#)

- Bootstrap however, also allows you to group a series of buttons together in a single line through the button group component.
- To create a button group just wrap a series of buttons with `.btn` class in a `<div>` element and apply the class `.btn-group` on it. You can additionally apply the class `.active` on an individual button to indicate the active state.



Card

- **Bootstrap card** is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. Card replaces panel, well, and thumbnail components in old Bootstrap 3 version.

Card

How to Use Bootstrap 5 Cards - Tutorial Republic

Example

[Try this code »](#)

```
1 <div class="card" style="width: 300px;">
2   
3   <div class="card-body text-center">
4     <h5 class="card-title">Alice Liddel</h5>
5     <p class="card-text">Alice is a freelance web designer and developer based in
London. She is specialized in HTML5, CSS3, JavaScript, Bootstrap, etc.</p>
6     <a href="#" class="btn btn-primary">View Profile</a>
7   </div>
8 </div>
```



Alice Liddel

Alice is a freelance web designer and developer based in London. She is specialized in HTML5, CSS3, JavaScript, Bootstrap, etc.

[View Profile](#)

Carousel

- The **carousel** also known as slideshow or image slider is some of the best way of showcasing the huge amount of contents within a small space on the web pages. It is a dynamic presentation of contents where text and images are made visible or accessible to the user by cycling through several items.

Carousel

[How to Create Carousel with Bootstrap 5 - Tutorial Republic](#)



SLIDE 1



Dropdowns

[How to Create Dropdown Menu with Bootstrap 5 - Tutorial Republic](#)

[Dropdown](#) ▼

Action

Another action

- The dropdown menu is typically used inside the navigation header to display a list of related links when a user mouse hover or click on the trigger element.
- You can use the Bootstrap dropdown plugin to add toggleable dropdown menus (i.e. open and close on click) to almost anything such as links, buttons or button groups, navbar, tabs and pills nav etc. without even writing a single line of JavaScript code.

List Group

[How to Use Bootstrap 5 List Group Component - Tutorial Republic](#)

- The list groups are very useful and flexible component for displaying lists of elements in a beautiful manner.

Pictures

Documents

Music

Videos

Modal

- **Modal** is basically a dialog box or popup window that is used to provide important information to the user or prompt user to take necessary actions before moving on. Modals are widely used to warn users for situations like session time out or to receive their final confirmation before going to perform any critical actions such as saving or deleting important data.

Modal

[How to Create Modals with Bootstrap 5 - Tutorial Republic](#)

Confirmation



Do you want to save changes to this document before closing?

If you don't save, your changes will be lost.

Cancel

Save changes

Navs

Bootstrap 5 Tabs and Pills Nav Component - Tutorial Republic

- Bootstrap provides an easy and quick way to create basic navigation as well as components like tabs and pills which are very flexible and elegant. All the Bootstrap's nav components, including tabs and pills, share the same base markup and styles through the base `.nav` class.

Home

Profile

Messages

Reports

Navbar

[Bootstrap 5 Responsive, Fixed Top / Bottom Navbar and More - Tutorial Republic](#)

- You can use the Bootstrap navbar component to create responsive navigation header for your website or application. These responsive navbar will be collapsed on devices having small viewports like mobile phones but expand when user click the toggle button. However, it will be horizontal as normal on the medium and large devices such as laptop or desktop.
- You can also create different variations of the navbar such as navbars with dropdown menus and search boxes as well as fixed positioned navbar with much less effort.

Pagination

[How to Create Pagination with Bootstrap 5 - Tutorial Republic](#)

- **Pagination** is the process of organizing content by dividing it into separate pages.
- Pagination is used in some or other form quite often in almost every web application, for instance it is used by search engines for displaying a limited number of results on search results pages, or showing a limited number of posts for every page on a blog or forum.

[Previous](#)

[1](#)

[2](#)

[3](#)

[4](#)

[5](#)

[Next](#)

Popovers

[How to Create Popovers with Bootstrap 5 - Tutorial Republic](#)

- Popover is a small overlay of content that is used to display secondary information of any element when it is clicked by a user, like those on the iPad.

Popover

Large popover

Popover title

A larger popover to demonstrate the max-width of the Bootstrap popover.

Progress

[How to Create Progress Bars with Bootstrap 5 - Tutorial Republic](#)

- Progress bars can be used for showing the progress of a task or action to the users.



Scrollspy

- The Bootstrap scrollspy is a navigation mechanism that automatically highlights the nav links based on the scroll position to indicate the visitor where they are currently on the page.
- The scrollspy will make your web page more elegant and accessible, if you're using the bookmark links for directing the visitors to the different sections of a page that has a huge amount of content.

Scrollspy

Scrollspy has the following requirements to function properly:

- It must be used on a Bootstrap nav, or list group component.
- You must apply the style `position: relative;` on the element you're spying on, which is usually the `<body>` element. But, if you're spying a `<div>` or any element other than the `<body>` be sure to additionally apply a `height` and `overflow-y: scroll;` on it.
- Anchors (`<a>`) are required and must point to an element with that id.

Scrollspy

[How to Use Bootstrap 5 Scrollspy Plugin - Tutorial Republic](#)

Bootstrap Scrollspy

Scroll this web page and see how the list group items are highlighted automatically based on the scroll position.

Section One

Section Two

Section
Three

Section One

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam eu sem tempor, varius quam at, luctus dui. Mauris magna metus, dapibus nec turpis vel, semper malesuada ante. Vestibulum id metus ac nisl bibendum scelerisque non non purus. Suspendisse varius nibh non aliquet sagittis. In

Spinners

[How to Create Loading Icon in Bootstrap 5 - Tutorial Republic](#)

- Bootstrap introduces the new spinner component that you can use to show the loading state in your applications. Spinners are typically loading icons and they're built only with HTML and CSS. However, you need some custom JavaScript to show or hide them on a web page.
- Moreover, you can easily customize the appearance, alignment, and sizing of the spinners with the pre-defined utility classes.



Toasts

- The **toast** component is newly introduced in Bootstrap 4. They are lightweight notifications similar to push notifications that are shown by web browsers on computer screens. They're built with flexbox, so you can easily align and position them on a web page.
- Additionally, toasts are opt-in for performance reasons, so you must initialize them yourself with `toast()` method. Also, toasts will automatically hide after 5000 milliseconds (5 seconds), if you do not specify `autohide: false` option.

Toasts

[How to Use Bootstrap 5 Toast Component - Tutorial Republic](#)

 **We miss you!**

10 mins ago



It's been a long time since you visited us. We've something special for you. [Click here!](#)

 **Hello, world!**

just now



This is a basic toast message.

 **Hello, world!**

5 seconds ago



See? This is another toast message.

Tooltips

[How to Create Tooltips with Bootstrap 5 - Tutorial Republic](#)

- A **tooltip** is a small pop up that appears when user places the mouse pointer over an element such as link or buttons to provide hint or information about the element being hovered.
- Tooltips can be very helpful for the new visitors of your website because they enable the user to know the purpose of icons and links by placing the mouse pointer over them.

Another tooltip

[Tooltip](#)

[Another tooltip](#)

[Large tooltip](#)

[Last tooltip](#)

Applications???

Any questions???

REFERENCES:

- Bootstrap 5 All Classes List. (n.d.). <https://bootstrapcreative.com/resources/bootstrap-5-cheat-sheet-classes-index/>
- Bootstrap 5 tutorial. (n.d.). <https://getbootstrap.com/docs/5.0/getting-started/introduction/>
- Bootstrap 5 tutorial. (n.d.). <https://mdbootstrap.com/docs/standard/bootstrap-5-tutorial/>
- Bootstrap 5 Tutorial. (n.d.). <https://www.w3schools.com/bootstrap5/index.php>
- Bootstrap Tutorial. (n.d.). <https://www.tutorialrepublic.com/twitter-bootstrap-tutorial/>