



# Web Programming

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# CSS Library



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**Font Awesome**

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Font Awesome

# Font Awesome

Font Awesome gives you **scalable vector icons** that can instantly be customized

- Size
- Color
- Drop shadow
- and anything that can be done with the power of CSS

# Font Awesome

- Link CSS: <https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>
- Link Icon list: <https://fontawesome.com/v4.7.0/icons/>
- How to use:
  - Basic Icons
  - Larger Icons
  - Fixed Width Icons
  - List Icons
  - Bordered & Pulled Icons
  - Animated Icons
  - Rotated & Flipped
  - Stacked Icons



# Font Awesome

## Example

### ▪ Basic and larger Icons

 fa-camera-retro

 fa-lg

 fa-2x

 fa-3x

 fa-4x

 fa-5x

```
<i class="fa fa-camera-retro"></i> fa-camera-retro  
<i class="fa fa-camera-retro fa-lg"></i> fa-lg  
<i class="fa fa-camera-retro fa-2x"></i> fa-2x  
<i class="fa fa-camera-retro fa-3x"></i> fa-3x  
<i class="fa fa-camera-retro fa-4x"></i> fa-4x  
<i class="fa fa-camera-retro fa-5x"></i> fa-5x
```

# Font Awesome

## Example

### ▪ List Icons

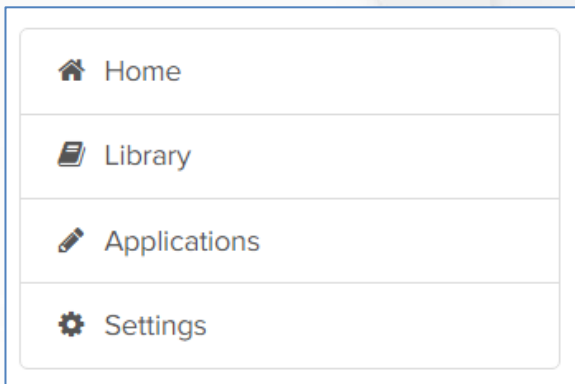
- ✓ List icons
- ✓ can be used
- ⋮ as bullets
- in lists

```
<ul class="fa-ul">  
  <li><i class="fa-li fa fa-check-square"></i>List icons</li>  
  <li><i class="fa-li fa fa-check-square"></i>can be used</li>  
  <li><i class="fa-li fa fa-spinner fa-spin"></i>as bullets</li>  
  <li><i class="fa-li fa fa-square"></i>in lists</li>  
</ul>
```



# Font Awesome

## ▪ Fixed Width Icons



```
<div class="list-group">
  <a class="list-group-item" href="#">
    <i class="fa fa-home fa-fw" aria-hidden="true"></i> Home
  </a>
  <a class="list-group-item" href="#">
    <i class="fa fa-book fa-fw" aria-hidden="true"></i> Library
  </a>
  <a class="list-group-item" href="#">
    <i class="fa fa-pencil fa-fw" aria-hidden="true"></i> Applications
  </a>
  <a class="list-group-item" href="#">
    <i class="fa fa-cog fa-fw" aria-hidden="true"></i> Settings
  </a>
</div>
```

# Font Awesome

## CSS Pseudo-elements

Visit Font awesome cheatsheet page and get Unicode of icon.

Link: <https://fontawesome.com/v4/cheatsheet/>

✓ fa-angle-down [`&#xf107;`]

> fa-angle-right [`&#xf105;`]

Style:

```
.nav li::after {  
    font-family: "fontawesome";  
    content: "\f107";  
}
```



## 2. Bootstrap

# Bootstrap

- Build responsive, mobile-first projects on the web
- Be an open source toolkit for developing with HTML, CSS, and JS:
  - responsive grid system,
  - extensive **prebuilt components**,
  - and powerful plugins built on jQuery

# Bootstrap Starter template and CDN

```
<!doctype html>
<html lang="en">
  <head>
    <title>Bootstrap</title>

    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/
bootstrap.min.css" >

  </head>

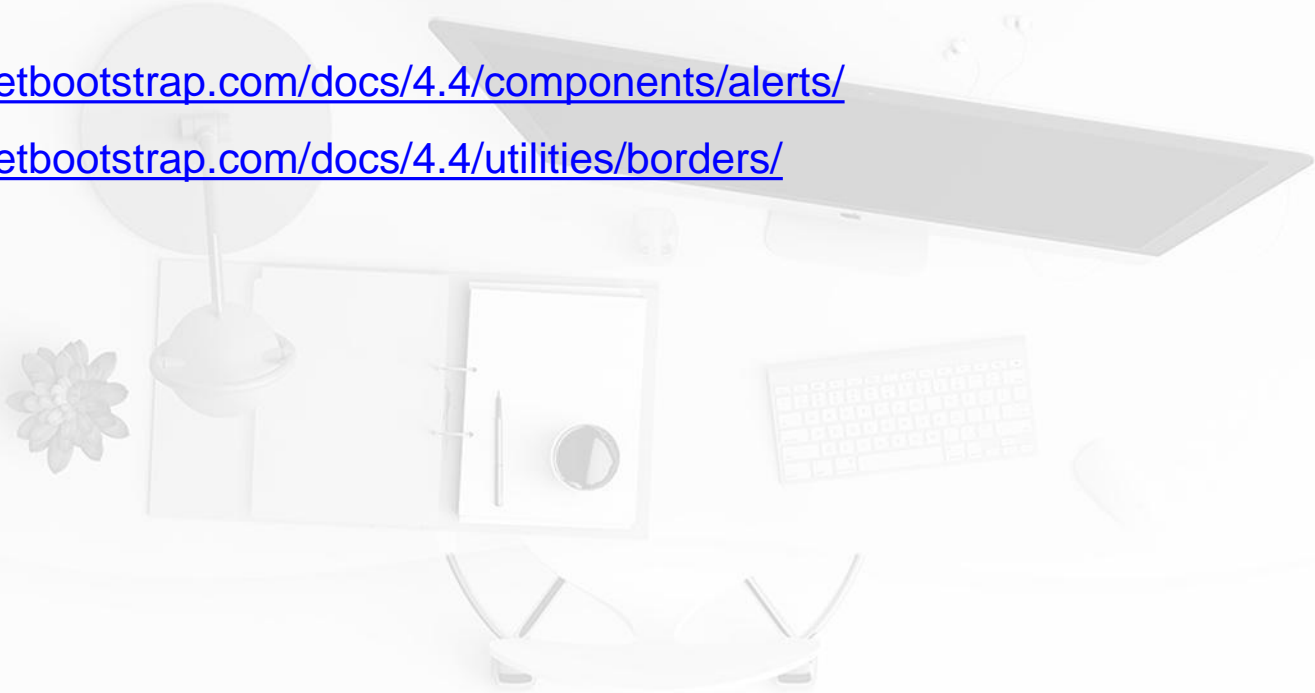
  <body>
    <!-- Code HTML -->

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" ></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" ></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" ></script>
  </body>
</html>
```

# Components and Utilities

Link:

- <https://getbootstrap.com/docs/4.4/components/alerts/>
- <https://getbootstrap.com/docs/4.4/utilities/borders/>



# Components and Utilities

## Example

- Outline buttons



```
<button type="button" class="btn btn-outline-primary">Primary</button>
<button type="button" class="btn btn-outline-secondary">Secondary</button>
<button type="button" class="btn btn-outline-success">Success</button>
<button type="button" class="btn btn-outline-danger">Danger</button>
<button type="button" class="btn btn-outline-warning">Warning</button>
<button type="button" class="btn btn-outline-info">Info</button>
<button type="button" class="btn btn-outline-light">Light</button>
<button type="button" class="btn btn-outline-dark">Dark</button>
```

# Components and Utilities

## Example

- Media object

64x64

### Media heading

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

```
<div class="media">
  
  <div class="media-body">
    <h5 class="mt-0">Media heading</h5>
    Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras
  </div>
</div>
```





# Summary



**Q&A**



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