**Bootstrap**

Bootstrap is a widely used open-source front-end framework that helps developers design responsive and mobile-friendly websites quickly. It comes with a built-in 12-column grid system, pre-styled components such as buttons, forms, navigation bars, modals, and carousels, as well as powerful JavaScript plugins. By using Bootstrap, developers can save time and effort since they don’t need to write custom CSS for common design elements. One of its main advantages is ensuring that websites automatically adjust and look good on all screen sizes, from desktops to smartphones. The latest version, Bootstrap 5, is lightweight, modern, and no longer depends on jQuery, making it more efficient for today’s web development.

Bootstrap Tags:

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| **Tag** | **Class Example** | **Usage in Bootstrap** |
| <div> | class="container" | Creates a fixed-width responsive container. |
| <div> | class="row" | Defines a horizontal row in the grid system. |
| <div> | class="col-6" | Creates a column (half width) inside a row. |
| <button> | class="btn btn-primary" | Creates a styled button (blue by default). |
| <button> | class="btn btn-success" | Green success button. |
| <nav> | class="navbar navbar-expand-lg navbar-light bg-light" | Responsive navigation bar. |
| <form> | class="form-control" (on inputs) | Styles input fields, textareas, and selects. |
| <table> | class="table table-striped" | Styled table with striped rows. |
| <img> | class="img-fluid" | Makes images responsive (auto scales). |
| <div> | class="card" | Creates a card-style UI component. |
| <div> | class="alert alert-warning" | Creates a yellow alert box. |
| <span> | class="badge bg-danger" | Displays a badge (red by default). |
| <ul> | class="list-group" | Styled list group. |
| <a> | class="btn btn-link" | Styles a link to look like a button. |
| <div> | class="progress" with class="progress-bar" | Creates a progress bar. |

Example:

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Output:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.