**1. Text Formatting**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Text Alignment** | text-start | Left Align |
|  | text-center | Center Align |
|  | text-end | Right Align |
| **Text Color** | text-primary | Primary Color |
|  | text-secondary | Secondary Color |
| **Text Transform** | text-uppercase | Uppercase |
|  | text-lowercase | Lowercase |
| **Text Decoration** | text-decoration-underline | Underline |
| **Font Weight** | fw-normal | Normal Weight |
| **Font Size** | fs-1 | Extra Large |
| **Line Height** | lh-1 | Normal Line Height |
| **Text Break** | text-break | Break Words |

**2. Table Formatting**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Table Color** | table-primary | Primary Background |
| **Table Border** | table-bordered | Bordered Table |
| **Table Style** | table-striped | Striped Table |
|  | table-hover | Hover Table |
| **Table Size** | table-sm | Small Table |

**3. Color Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Background Color** | bg-primary | Primary Background |
|  | bg-light | Light Background |
| **Text Background Color** | text-bg-primary | Primary Text Background |
|  | text-bg-light | Light Text Background |

**4. Spacing Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Margin** | m-3 | Margin on All Sides |
| **Padding** | p-3 | Padding on All Sides |
| **Margin Top** | mt-3 | Margin on Top |
| **Padding Top** | pt-3 | Padding on Top |
| **Margin Right** | mr-3 | Margin on Right |
| **Padding Right** | pr-3 | Padding on Right |
| **Margin Bottom** | mb-3 | Margin on Bottom |
| **Padding Bottom** | pb-3 | Padding on Bottom |
| **Margin Left** | ml-3 | Margin on Left |
| **Padding Left** | pl-3 | Padding on Left |
| **Responsive Margin** | m-md-3 | Margin on Medium Screens |
| **Responsive Padding** | p-lg-3 | Padding on Large Screens |

**5. Flexbox Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Flex Direction** | flex-row | Row (default) |
|  | flex-column | Column |
| **Flex Wrap** | flex-wrap | Wrap |
| **Flex Justify Content** | justify-content-center | Center Content |
| **Flex Align Items** | align-items-center | Align Items Center |
| **Flex Grow** | flex-grow-1 | Grow |
| **Flex Shrink** | flex-shrink-1 | Shrink |

**6. Grid System**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Container** | container-fluid | Fluid Container |
|  | container | Fixed Container |
| **Column Widths** | col- | Auto Width |
|  | col-sm- | Small Column Width |
|  | col-md- | Medium Column Width |
|  | col-lg- | Large Column Width |
| **Offset** | offset- | Offset Columns |
| **Order** | order- | Column Order |

**7. Sizing Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Width** | w-100 | 100% Width |
|  | w-50 | 50% Width |
| **Height** | h-100 | 100% Height |
|  | h-50 | 50% Height |

**8. Border Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Border Radius** | rounded-1 | Small Radius |
|  | rounded | Default Radius |
|  | rounded-3 | Large Radius |
| **Border Style** | border- | Solid Border |
|  | border-dashed | Dashed Border |
|  | border-dotted | Dotted Border |

**9. Shadows**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Box Shadows** | shadow-none | No Shadow |
|  | shadow-sm | Small Shadow |
|  | shadow | Default Shadow |
|  | shadow-lg | Large Shadow |

**10. Responsive Design Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Responsive Display** | d-{breakpoint}-block | Block Display |
| **Responsive Visibility** | visible-{breakpoint} | Visibility |

**11. Positioning Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Position** | position-static | Static Position |
|  | position-relative | Relative Position |
|  | position-absolute | Absolute Position |
|  | position-fixed | Fixed Position |
|  | position-sticky | Sticky Position |
| **Top, Right, Bottom, Left** | top-0, right-0, bottom-0, left-0 | Positions with Offsets |

**12. Forms**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Form Control** | form-control | Default Form Control |
| **Form Checkboxes** | form-check-inline | Inline Checkboxes |
| **Form Layout** | form-inline | Inline Form |
|  | row g-3 | Horizontal Form Layout |

**13. Background Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Background Color** | bg-primary | Primary Background |
|  | bg-light | Light Background |
| **Background Image** | bg-image (custom CSS) | Background Image |

**14. Typography**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Display Headings** | display-1 | Extra Large Heading |
|  | display-2 | Large Heading |
| **Lead Text** | lead | Lead Text |
| **Text Wrap** | text-wrap | Wrap Text |

**15. Miscellaneous**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Cursor** | cursor-pointer | Pointer Cursor |
| **Overflow** | overflow-auto | Auto Overflow |
| **Positioning** | position-relative | Relative Positioning |

**16. Alignment Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Align Items** | align-items-start | Align Items to Start |
|  | align-items-center | Align Items to Center |
|  | align-items-end | Align Items to End |
| **Align Content** | align-content-start | Align Content to Start |
|  | align-content-center | Align Content to Center |
|  | align-content-end | Align Content to End |
| **Align Self** | align-self-start | Align Self to Start |
|  | align-self-center | Align Self to Center |
|  | align-self-end | Align Self to End |
| **Justify Content** | justify-content-start | Justify Content to Start |
|  | justify-content-center | Justify Content to Center |
|  | justify-content-end | Justify Content to End |
|  | justify-content-between | Justify Content Between |
|  | justify-content-around | Justify Content Around |
|  | justify-content-evenly | Justify Content Evenly |

**17. Grid System (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Container** | container-md | Medium Container |
|  | container-lg | Large Container |
|  | container-xl | Extra Large Container |
| **Grid Columns** | col-1 to col-12 | Column Span (1 to 12) |
| **Responsive Columns** | col-sm- to col-xl- | Column Span for Breakpoints |
| **Column Offsets** | offset-1 to offset-12 | Offset Columns |
| **Gutters** | g-1 to g-5 | Gutters (Spacing Between Columns) |

**18. Background Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Background Opacity** | bg-opacity-25 | Background Opacity 25% |
|  | bg-opacity-50 | Background Opacity 50% |
|  | bg-opacity-75 | Background Opacity 75% |
| **Background Image** | bg-image-{url} (custom CSS) | Background Image with URL |

**19. Borders**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Border Color** | border-primary | Primary Border Color |
|  | border-secondary | Secondary Border Color |
|  | border-success | Success Border Color |
| **Border Width** | border-1 | Border Width 1px |
|  | border-2 | Border Width 2px |
|  | border-3 | Border Width 3px |
| **Border Style** | border-solid | Solid Border |
|  | border-dashed | Dashed Border |
|  | border-dotted | Dotted Border |
| **Border Radius** | rounded-sm | Small Border Radius |
|  | rounded-lg | Large Border Radius |

**20. Shadows**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Box Shadows** | shadow-sm | Small Shadow |
|  | shadow | Default Shadow |
|  | shadow-lg | Large Shadow |
| **Text Shadows** | text-shadow-sm | Small Text Shadow |
|  | text-shadow | Default Text Shadow |
|  | text-shadow-lg | Large Text Shadow |

**21. Positioning Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Top Position** | top-0 | Top Position 0 |
|  | top-50 | Top Position 50% |
| **Right Position** | right-0 | Right Position 0 |
|  | right-50 | Right Position 50% |
| **Bottom Position** | bottom-0 | Bottom Position 0 |
|  | bottom-50 | Bottom Position 50% |
| **Left Position** | left-0 | Left Position 0 |
|  | left-50 | Left Position 50% |

**22. Visibility Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Visibility** | visible | Always Visible |
|  | invisible | Always Invisible |
| **Screen Readers** | sr-only | Screen Reader Only |
|  | sr-only-focusable | Screen Reader Only Focusable |

**23. Flex Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Flex Basis** | flex-basis-25 | Flex Basis 25% |
|  | flex-basis-50 | Flex Basis 50% |
|  | flex-basis-75 | Flex Basis 75% |
| **Flex Direction** | flex-direction-row-reverse | Reverse Row Direction |
|  | flex-direction-column-reverse | Reverse Column Direction |
| **Align Content** | align-content-between | Content Align Between |
|  | align-content-around | Content Align Around |

**24. Forms (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Form Group** | form-group | Group Form Controls |
| **Form Control** | form-control-lg | Large Form Control |
|  | form-control-sm | Small Form Control |
| **Input Group** | input-group | Input Group Container |
| **Form Check** | form-check-input | Form Check Input |
| **Form Radio** | form-check-input | Radio Button |
| **Form Text** | form-text | Additional Form Text |

**25. Utilities API**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Generate Utilities** | utilities-api | Generate Custom Utilities |
| **Custom Utilities** | custom-utility | Custom Utility Classes |

**26. Components (Overview)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Alerts** | alert | Alert Component |
| **Buttons** | btn | Button Component |
| **Cards** | card | Card Component |
| **Navs** | nav | Navigation Component |
| **Modals** | modal | Modal Component |
| **Tooltips** | tooltip | Tooltip Component |
| **Dropdowns** | dropdown | Dropdown Component |

**27. Layout Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Container Sizes** | container-fluid | Full Width Container |
|  | container-lg | Large Container |
|  | container-xl | Extra Large Container |
| **Viewport Height** | vh-100 | Viewport Height 100% |
|  | vh-75 | Viewport Height 75% |
| **Viewport Width** | vw-100 | Viewport Width 100% |
|  | vw-75 | Viewport Width 75% |

**28. Borders (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Border Color** | border-danger | Danger Border Color |
|  | border-warning | Warning Border Color |
| **Border Radius** | rounded-top | Top Border Radius |
|  | rounded-bottom | Bottom Border Radius |
|  | rounded-start | Start Border Radius |
|  | rounded-end | End Border Radius |
| **Border Style** | border-dotted | Dotted Border Style |
|  | border-dashed | Dashed Border Style |
|  | border-solid | Solid Border Style |

**29. Typography (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Font Style** | font-italic | Italic Font Style |
|  | font-weight-bold | Bold Font Weight |
| **Text Alignment** | text-start | Align Text to Start |
|  | text-center | Align Text to Center |
|  | text-end | Align Text to End |
| **Text Transform** | text-uppercase | Uppercase Text |
|  | text-lowercase | Lowercase Text |
|  | text-capitalize | Capitalize Text |

**30. Background Utilities (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Background Image** | bg-image-cover | Background Image Cover |
| **Background Repeat** | bg-repeat | Background Repeat |
|  | bg-no-repeat | No Background Repeat |
| **Background Size** | bg-size-cover | Background Size Cover |
|  | bg-size-contain | Background Size Contain |

**31. Display Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Display** | d-none | Hide Element |
|  | d-inline | Inline Display |
|  | d-block | Block Display |
|  | d-flex | Flex Display |
|  | d-grid | Grid Display |
| **Responsive Display** | d-sm-none | Hide on Small Screens |
|  | d-md-block | Block on Medium Screens |
|  | d-lg-inline | Inline on Large Screens |

**32. Visibility and Positioning**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Visibility** | visible | Always Visible |
|  | invisible | Always Invisible |
| **Position** | position-static | Static Position |
|  | position-relative | Relative Position |
|  | position-absolute | Absolute Position |
|  | position-fixed | Fixed Position |
|  | position-sticky | Sticky Position |

**33. Flex Utilities (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Flex Wrap** | flex-wrap-reverse | Reverse Wrap |
| **Flex Direction** | flex-direction-column-reverse | Column Reverse Direction |
| **Align Items** | align-items-stretch | Stretch Items |
| **Align Content** | align-content-stretch | Stretch Content |

**34. Sizing Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Width** | w-auto | Auto Width |
|  | w-25 | Width 25% |
| **Height** | h-auto | Auto Height |
|  | h-25 | Height 25% |

**35. Spacing Utilities (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Margin** | mx-auto | Horizontal Margin Auto |
|  | my-auto | Vertical Margin Auto |
| **Padding** | px-3 | Padding X-axis |
|  | py-3 | Padding Y-axis |
| **Margin Responsive** | mx-lg-4 | Margin X-axis on Large Screens |
| **Padding Responsive** | py-md-4 | Padding Y-axis on Medium Screens |

**36. Forms (Advanced)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Form Control** | form-control-lg | Large Form Control |
|  | form-control-sm | Small Form Control |
| **Form Label** | form-label | Form Label |
| **Form Select** | form-select | Form Select |
| **Form Textarea** | form-control | Textarea Control |
| **Form Feedback** | invalid-feedback | Invalid Feedback |
|  | valid-feedback | Valid Feedback |

**37. Components (Detailed)**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Accordion** | accordion | Accordion Component |
| **Breadcrumb** | breadcrumb | Breadcrumb Component |
| **Card** | card | Card Component |
| **Carousel** | carousel | Carousel Component |
| **Collapse** | collapse | Collapse Component |
| **Dropdown** | dropdown | Dropdown Component |
| **List Group** | list-group | List Group Component |
| **Modal** | modal | Modal Component |
| **Navs** | nav | Nav Component |
| **Pagination** | pagination | Pagination Component |
| **Popover** | popover | Popover Component |
| **Progress** | progress | Progress Component |
| **Toast** | toast | Toast Component |
| **Tooltip** | tooltip | Tooltip Component |

**38. Responsive Utilities**

|  |  |  |
| --- | --- | --- |
| Category | Class | Description |
| **Hidden on Small** | d-sm-none | Hidden on Small Screens |
| **Visible on Medium** | d-md-block | Visible on Medium Screens |
| **Hidden on Large** | d-lg-none | Hidden on Large Screens |