Grid System (updated Card Gap)

CSS Grid Layout excels at dividing a page into major regions or defining the relationship in terms of size, position, and layer, between parts of a control built from HTML primitives. Like tables, grid layout enables an author to align elements into columns and rows.

Create new file _grid.scss in shinabi folder (black highlight updated part)

```
@use "sass:math";
$grid-columns: 12;
$grid-gaps: (
  "0": 0,
  "1": 10px,
  "2": 20px,
  "3": 30px,
$layout-values: flex-start, flex-end, center, space-between, space-around;
//list variable
// base layout classes
.container {
 width: 100%;
 max-width: 1200px;
 margin: 0 auto;
  padding: 0 20px;
  box-sizing: border-box;
.row {
 display: flex;
 flex-flow: row wrap;
// grid gaps
@each $key, $val in $grid-gaps {
  .gap-#{$key} > * {
    padding: $val;
  .gap-#{$key} {
   margin-left: -$val;
    margin-right: -$val;
```

```
// justify content classes
@each $val in $layout-values {
 .justify-#{$val} {
   justify-content: $val;
// col classes
@include xs {
 @for $i from 1 through $grid-columns {
    .col-#{$i}-xs {
     box-sizing: border-box;
     flex-grow: 0;
      width: math.div($i * 100%, $grid-columns);
@include sm {
 @for $i from 1 through $grid-columns {
    .col-#{$i}-sm {
     box-sizing: border-box;
     flex-grow: 0;
      width: math.div($i * 100%, $grid-columns);
@include md {
 @for $i from 1 through $grid-columns {
    .col-#{$i}-md {
      box-sizing: border-box;
     flex-grow: 0;
      width: math.div($i * 100%, $grid-columns);
@include lg {
 @for $i from 1 through $grid-columns {
    .col-#{$i}-lg {
     box-sizing: border-box;
     flex-grow: 0;
     width: math.div($i * 100%, $grid-columns);
```

```
@include xl {
  @for $i from 1 through $grid-columns {
      .col-#{$i}-xl {
      box-sizing: border-box;
      flex-grow: 0;
      width: math.div($i * 100%, $grid-columns);
    }
}
```

Auto Generate classes index.css file (black highlight updated part)

```
.container {
 width: 100%;
 max-width: 1200px;
 margin: 0 auto;
 padding: 0 20px;
 box-sizing: border-box;
.row {
 display: flex;
 flex-flow: row wrap;
.gap-0 > * {
 padding: 0;
.gap-0 {
 margin-left: 0;
 margin-right: 0;
.gap-1 > * {
 padding: 10px;
.gap-1 {
 margin-left: -10px;
 margin-right: -10px;
.gap-2 > * {
  padding: 20px;
```

```
gap-2 {
 margin-left: -20px;
 margin-right: -20px;
.gap-3 > * {
 padding: 30px;
.gap-3 {
 margin-left: -30px;
 margin-right: -30px;
.justify-flex-start {
 justify-content: flex-start;
.justify-flex-end {
 justify-content: flex-end;
.justify-center {
 justify-content: center;
.justify-space-between {
 justify-content: space-between;
.justify-space-around {
 justify-content: space-around;
@media (min-width: 0) {
 .col-1-xs {
   box-sizing: border-box;
   flex-grow: 0;
   width: 8.33333333333;
  .col-2-xs {
   box-sizing: border-box;
   flex-grow: 0;
   width: 16.6666666667%;
  .col-3-xs {
```

```
box-sizing: border-box;
 flex-grow: 0;
 width: 25%;
.col-4-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 33.3333333333;
.col-5-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 41.6666666667%;
.col-6-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 50%;
.col-7-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 58.3333333333;
.col-8-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 66.666666667%;
.col-9-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 75%;
.col-10-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 83.3333333333;
.col-11-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 91.6666666667%;
.col-12-xs {
 box-sizing: border-box;
 flex-grow: 0;
 width: 100%;
```

```
@media (min-width: 480px) {
 .col-1-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 8.3333333333;
  .col-2-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 16.6666666667%;
  .col-3-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 25%;
  .col-4-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 33.3333333333;
  .col-5-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 41.6666666667%;
  .col-6-sm {
    box-sizing: border-box;
   flex-grow: 0;
   width: 50%;
  .col-7-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 58.3333333333;
  .col-8-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 66.666666667%;
  .col-9-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 75%;
```

```
.col-10-sm {
    box-sizing: border-box;
    flex-grow: 0;
   width: 83.33333333333;
  .col-11-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 91.6666666667%;
  .col-12-sm {
   box-sizing: border-box;
   flex-grow: 0;
   width: 100%;
@media (min-width: 720px) {
 .col-1-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 8.3333333333;
  .col-2-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 16.6666666667%;
  .col-3-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 25%;
  .col-4-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 33.3333333333;
  .col-5-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 41.6666666667%;
  .col-6-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 50%;
  .col-7-md {
```

```
box-sizing: border-box;
    flex-grow: 0;
   width: 58.3333333333;
  .col-8-md {
    box-sizing: border-box;
   flex-grow: 0;
   width: 66.666666667%;
  .col-9-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 75%;
  .col-10-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 83.3333333333;
  .col-11-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 91.6666666667%;
  .col-12-md {
   box-sizing: border-box;
   flex-grow: 0;
   width: 100%;
@media (min-width: 960px) {
 .col-1-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 8.3333333333;
  .col-2-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 16.6666666667%;
  .col-3-lg {
    box-sizing: border-box;
   flex-grow: 0;
   width: 25%;
  .col-4-lg {
   box-sizing: border-box;
```

```
flex-grow: 0;
   width: 33.3333333333;
  .col-5-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 41.6666666667%;
  .col-6-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 50%;
  .col-7-lg {
    box-sizing: border-box;
   flex-grow: 0;
   width: 58.3333333333;
  .col-8-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 66.666666667%;
  .col-9-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 75%;
  .col-10-lg {
    box-sizing: border-box;
   flex-grow: 0;
   width: 83.3333333333;
  .col-11-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 91.6666666667%;
  .col-12-lg {
   box-sizing: border-box;
   flex-grow: 0;
   width: 100%;
@media (min-width: 1200px) {
  .col-1-xl {
   box-sizing: border-box;
   flex-grow: 0;
```

```
width: 8.3333333333;
.col-2-x1 {
 box-sizing: border-box;
 flex-grow: 0;
 width: 16.6666666667%;
.col-3-x1 {
 box-sizing: border-box;
 flex-grow: 0;
 width: 25%;
.col-4-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 33.3333333333;
.col-5-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 41.6666666667%;
.col-6-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 50%;
.col-7-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 58.3333333333;
.col-8-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 66.666666667%;
.col-9-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 75%;
.col-10-xl {
 box-sizing: border-box;
 flex-grow: 0;
 width: 83.3333333333;
.col-11-xl {
```

```
box-sizing: border-box;
  flex-grow: 0;
  width: 91.6666666667%;
}
.col-12-xl {
  box-sizing: border-box;
  flex-grow: 0;
  width: 100%;
}
```

Index.html file (black highlight updated part)

```
<!-- grid system -->
     <div class="container">
       <h2 class="mb-2">Grid System</h2>
        <div class="row gap-2 justify-center">
         <div class="col-12-xs col-5-sm col-3-x1">
           <div class="card">
             <h3 class="card-title">Hello, ninjas</h3>
             Lorem ipsum, dolor sit amet consectetur
adipisicing elit.
             <button class="btn-outlined-orange text-orange text-hover-</pre>
white">click</button>
           </div>
         </div>
         <div class="col-12-xs col-5-sm col-3-x1">
           <div class="card">
             <h3 class="card-title">Hello, ninjas</h3>
             Lorem ipsum, dolor sit amet consectetur
adipisicing elit.
             <button class="btn-outlined-orange text-orange text-hover-</pre>
white">click</button>
           </div>
         </div>
         <div class="col-12-xs col-5-sm col-3-x1">
           <div class="card">
             <h3 class="card-title">Hello, ninjas</h3>
             Lorem ipsum, dolor sit amet consectetur
adipisicing elit.
             <button class="btn-outlined-orange text-orange text-hover-</pre>
white">click</button>
           </div>
         </div>
         <div class="col-12-xs col-5-sm col-3-xl">
```

Browser output (updated):

This is a title

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Grid System

Hello, ninjas

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Hello, ninjas

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Hello, ninjas

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Hello, ninjas

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Try to check screen resize