**Universal Component Sizes Collection**

# **Universal Component-Sizes Collection Plan**

**Date:** September 6, 2025  
**Purpose:** Create a universal variable collection that can be used across multiple components  
**Status:** Planning Phase

## **Collection Structure**

### **Collection Name: `Component-Sizes`**

**Modes:** `xs | sm | md | lg`

### **Variable Properties**

#### **1. Spacing Category - Padding Variables**

**Create in:** `▼ Spacing`  
component/padding-vertical:

* xs: {ob.s.spacing.none} (0px)
* sm: {ob.s.spacing.sm} (8px)
* md: {ob.s.spacing.md} (12px)
* lg: {ob.s.spacing.2xl} (20px)

component/padding-horizontal:

* xs: {ob.s.spacing.none} (0px)
* sm: {ob.s.spacing.xl} (20px)
* md: {ob.s.spacing.3xl} (24px)
* lg: {ob.s.spacing.4xl} (32px)

#### **2. Spacing Category - Gap Variables**

**Create in:** `▼ Spacing`  
component/gap-icon-text:

* xs: {ob.s.spacing.sm} (8px)
* sm: {ob.s.spacing.sm} (8px)
* md: {ob.s.spacing.md} (12px)
* lg: {ob.s.spacing.lg} (16px)

#### **3. Sizing Category - Icon Size Variables**

**Create in:** `▼ Sizing`  
component/icon-size:

* xs: {ob.s.icon.size.xs} (12px)
* sm: {ob.s.icon.size.xs} (12px)
* md: {ob.s.icon.size.sm} (16px)
* lg: {ob.s.icon.size.md} (20px)

#### **4. Typography Category - Typography Variables**

**Create in:** `▼ Typography`  
component/typography-size:

* xs: {ob.s.typography.type\_scale.xs.normal}
* sm: {ob.s.typography.type\_scale.sm.normal}
* md: {ob.s.typography.type\_scale.sm.normal}
* lg: {ob.s.typography.type\_scale.sm.normal}

#### **5. Sizing Category - Min-Height Variables (for buttons)**

**Create in:** `▼ Sizing`  
component/min-height:

* xs: {ob.s.size.compact} (100px)
* sm: {ob.s.size.compact} (100px)
* md: {ob.s.size.spacious} (300px)
* lg: {ob.s.size.hefty} (450px)

## **Token Structure Examples**

### **How Variables Will Look in Each Mode**

#### **xs**

**Tokens Studio:** `▼ Spacing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.spacing.padding.vertical  
{ob.s.spacing.none}

ob.h.button\_aug.text\_icons.spacing.padding.horizontal  
{ob.s.spacing.none}

ob.h.button\_aug.text\_icons.spacing.gap  
{ob.s.spacing.sm}

**Tokens Studio:** `▼ Sizing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.icon.size  
{ob.s.icon.size.xs}

**Tokens Studio:** `▼ Spacing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.spacing.padding.vertical  
{ob.s.spacing.none}

ob.h.button\_aug.icon\_only.spacing.padding.horizontal  
{ob.s.spacing.none}

**Tokens Studio:** `▼ Sizing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.icon.size  
{ob.s.icon.size.xs}

#### **sm**

**Tokens Studio:** `▼ Spacing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.spacing.padding.vertical  
{ob.s.spacing.sm}

ob.h.button\_aug.text\_icons.spacing.padding.horizontal  
{ob.s.spacing.xl}

ob.h.button\_aug.text\_icons.spacing.gap  
{ob.s.spacing.sm}

**Tokens Studio:** `▼ Sizing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.icon.size  
{ob.s.icon.size.xs}

**Tokens Studio:** `▼ Spacing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.spacing.padding.vertical  
{ob.s.spacing.sm}

ob.h.button\_aug.icon\_only.spacing.padding.horizontal  
{ob.s.spacing.sm}

**Tokens Studio:** `▼ Sizing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.icon.size  
{ob.s.icon.size.xs}

#### **md**

**Tokens Studio:** `▼ Spacing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.spacing.padding.vertical  
{ob.s.spacing.md}

ob.h.button\_aug.text\_icons.spacing.padding.horizontal  
{ob.s.spacing.3xl}

ob.h.button\_aug.text\_icons.spacing.gap  
{ob.s.spacing.md}

**Tokens Studio:** `▼ Sizing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.icon.size  
{ob.s.icon.size.sm}

**Tokens Studio:** `▼ Spacing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.spacing.padding.vertical  
{ob.s.spacing.md}

ob.h.button\_aug.icon\_only.spacing.padding.horizontal  
{ob.s.spacing.md}

**Tokens Studio:** `▼ Sizing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.icon.size  
{ob.s.icon.size.sm}

#### **lg**

**Tokens Studio:** `▼ Spacing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.spacing.padding.vertical  
{ob.s.spacing.2xl}

ob.h.button\_aug.text\_icons.spacing.padding.horizontal  
{ob.s.spacing.4xl}

ob.h.button\_aug.text\_icons.spacing.gap  
{ob.s.spacing.lg}

**Tokens Studio:** `▼ Sizing`  
**Text\_Icons Variant:**  
ob.h.button\_aug.text\_icons.icon.size  
{ob.s.icon.size.md}

**Tokens Studio:** `▼ Spacing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.spacing.padding.vertical  
{ob.s.spacing.2xl}

ob.h.button\_aug.icon\_only.spacing.padding.horizontal  
{ob.s.spacing.2xl}

**Tokens Studio:** `▼ Sizing`  
**Icon\_Only Variant:**  
ob.h.button\_aug.icon\_only.icon.size  
{ob.s.icon.size.md}

## **Mapping to Button\_Aug**

### **Text\_Icons Variant**

* \*\*Padding Vertical:\*\* `component/padding-vertical` (xs=0, sm=8px, md=12px, lg=20px)
* \*\*Padding Horizontal:\*\* `component/padding-horizontal` (xs=0, sm=20px, md=24px, lg=32px)
* \*\*Icon-Text Gap:\*\* `component/gap-icon-text` (sm=8px, md=12px, lg=16px)
* \*\*Icon Size:\*\* `component/icon-size` (sm=12px, md=16px, lg=20px)

### **Icon\_Only Variant**

* \*\*Padding Vertical:\*\* `component/padding-vertical` (xs=0, sm=8px, md=12px, lg=20px)
* \*\*Padding Horizontal:\*\* `component/padding-vertical` (same as vertical for circular shape)
* \*\*Icon Size:\*\* `component/icon-size` (xs=12px, sm=12px, md=16px, lg=20px)

## **Implementation Steps**

1. \*\*Create Variable Collection in Figma:\*\*

* Collection name: `Component-Sizes`
* Set up 4 modes: xs, sm, md, lg
* Add all variable properties listed above

1. \*\*Map to Tokens Studio:\*\*

* Update button\_aug/static.json to reference the new variables
* Replace mode-specific extensions with variable references

1. \*\*Test with Button\_Aug:\*\*

* Verify all size combinations work correctly
* Ensure icon\_only circular shape maintains proper proportions
* Test text\_icons rectangular shape scales appropriately

1. \*\*Extend to Other Components:\*\*

* Badge: Use component/padding-\* and component/typography-size
* Pill: Use component/padding-\* and component/icon-size
* Tag: Use component/padding-\* and component/gap-icon-text

## **Benefits**

* \*\*Single Source of Truth:\*\* One collection for all component sizing
* \*\*Consistent Experience:\*\* Same size selection across all components
* \*\*Easy Maintenance:\*\* Update one collection to affect all components
* \*\*Future-Proof:\*\* Can add new size modes (e.g., xs, xl) universally
* \*\*Semantic Flexibility:\*\* Each component can map to appropriate variables

## **Fallback Plan**

If universal approach doesn't work:

* Split into component-specific collections (Button-Sizes, Badge-Sizes, etc.)
* Keep the same token mappings but allow different semantic interpretations
* Maintain consistent mode names (xs, sm, md, lg) across all collections