

Mar
26
2025

Josh

From Figma to Function:

Bridging Design and Development
with Storybook & Drupal

Nathan

sandstorm®

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Introductions



Nathan Haas

Creative Lead and Design Ops
(He/Him)
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About Sandstorm®

Accessibility-certified,
creative technology
agency for 25+ years
for **purpose-driven
brands**

**Deep Professional
Associations, Global
Non-profits & Higher
Ed** expertise

Certifications: CPACC
(accessibility), Drupal,
Pantheon, Acquia, and
WBENC (women-owned)

All services **in-house
and onshore**

Interdisciplinary team:
UX/UI, strategy,
technology & data

Goal of this session

Hands-on workshop focused on the **journey from UI design to development**.

Learn from both a UI designer and a front-end developer on **effective collaboration**.

Gain insights on **bridging the gap between design and development** using reusable, component-driven UIs.

Understand how to **translate Figma design components to Storybook** for better consistency.

Learn how to **integrate components into Drupal** to build a scalable design system.

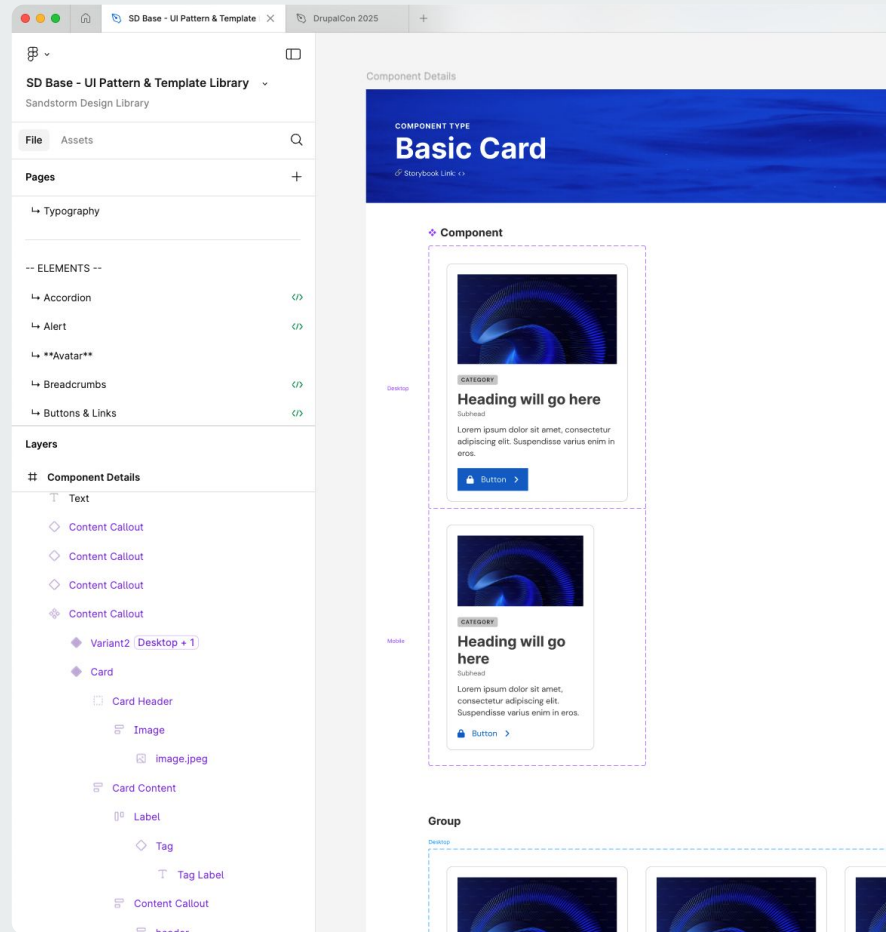
What is Figma?

Figma is a cloud-based design tool used for UI/UX design, prototyping, and collaboration.

Real-time collaboration allows multiple users to work on the same file simultaneously, similar to Google Docs.

Vector-based design enables precise control over layouts, typography, and components.

Component system lets designers create reusable elements for consistency and efficiency



Figma Benefits



FOR DESIGN

Scalable Components – Designers can create reusable **components with variants** (e.g., buttons with different states) to maintain consistency.

Design Tokens – Colors, typography, spacing, and other styles can be defined as reusable variables for easy updates.

Library Sharing – Teams can maintain a **single source of truth** by publishing and syncing design system libraries.

Auto Layout – Helps create **responsive components** that adapt to different screen sizes.

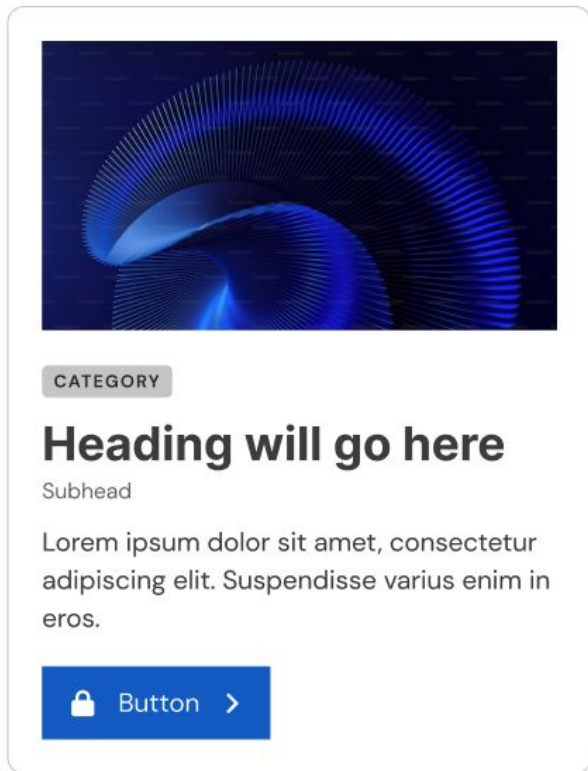
FOR DEV

Dev Mode – Provides **clean code snippets (CSS, Swift, XML, etc.)**, spacing, and assets directly in Figma.

Inspect and Export – Developers can inspect exact **dimensions, colors, and typography** without needing extra tools.

Live Collaboration – Designers and developers can leave **comments, resolve issues, and update designs** in real time.

Base Card



Layer Structure

- ◇ Card
 - Card Header
 - ≡ Image
 - ≡ Card Content
 - Tag
 - ≡ Content Callout
 - ≡ header
 - T Title
 - T Subhead
 - ≡ Content
 - T Description
 - ◇ CTA

Build Demo



MEMBER RESEARCH AND REPORTS

INSTITUTION NAME

**New Frontiers in Public Health
Research Topic Explores Climate
Change, System Failures, and
Public Health Vulnerabilities**

January 10, 2025

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Figma Demo

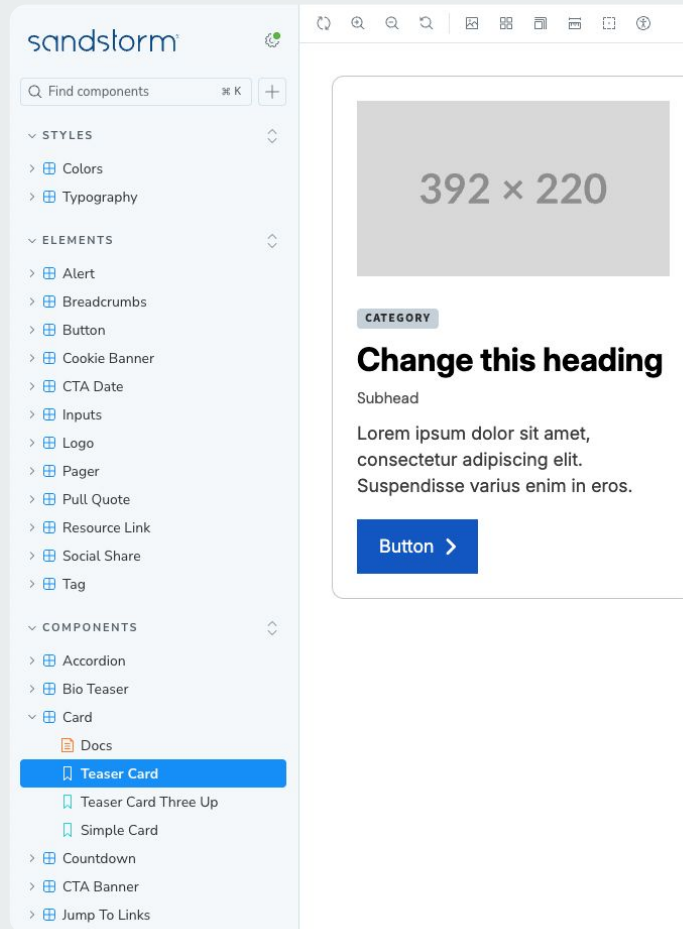
What is Storybook?

Figma is a cloud-based design tool used for UI/UX design, prototyping, and collaboration.

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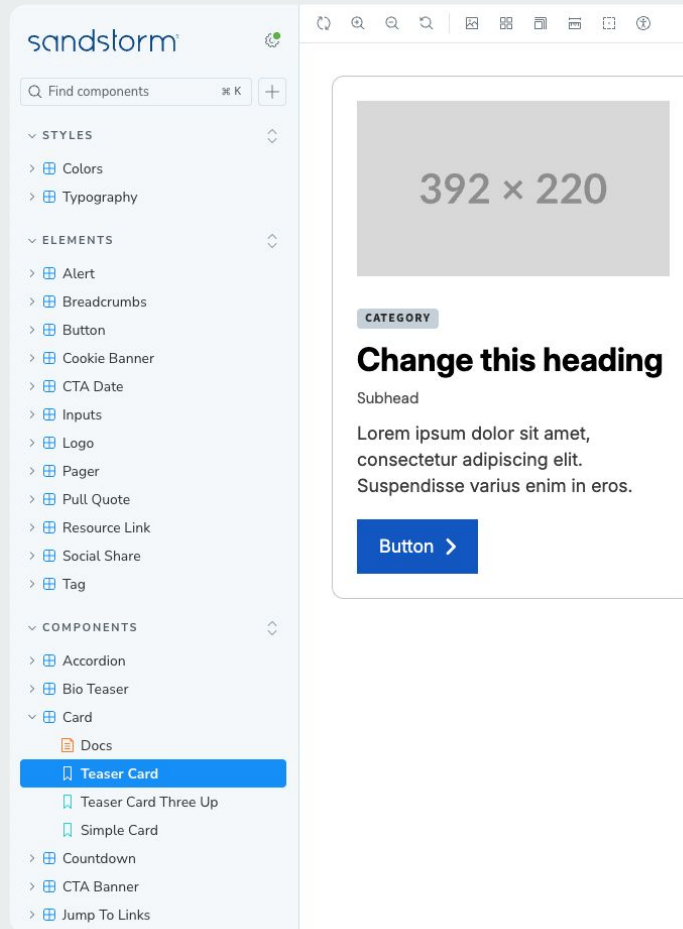
Component system lets designers create reusable elements for consistency and efficiency



Storybook Benefits

Accelerates FE development

- No need for drupal configurations for FE development of components
- Effectively defining the Storybook component/include at the same time
- DQA can happen once the storybook component is developed
- Potentially 80%(or more depending on complexity) of Frontend styles and markup can be defined prior to Drupal configurations



Storybook Demo

Design into Storybook

To start writing our 'Stories' in storybook we need few key files:

.stories.jsx

Where we define our component

.twig

file that outputs the component

.yml

provides data for the component when viewed in Storybook

.scss

Styles for our component



We will mainly be focusing on a Card in this demonstration

▼ card

> drupal-displays

🌿 card--simple.twig

🌿 card--teaser.twig

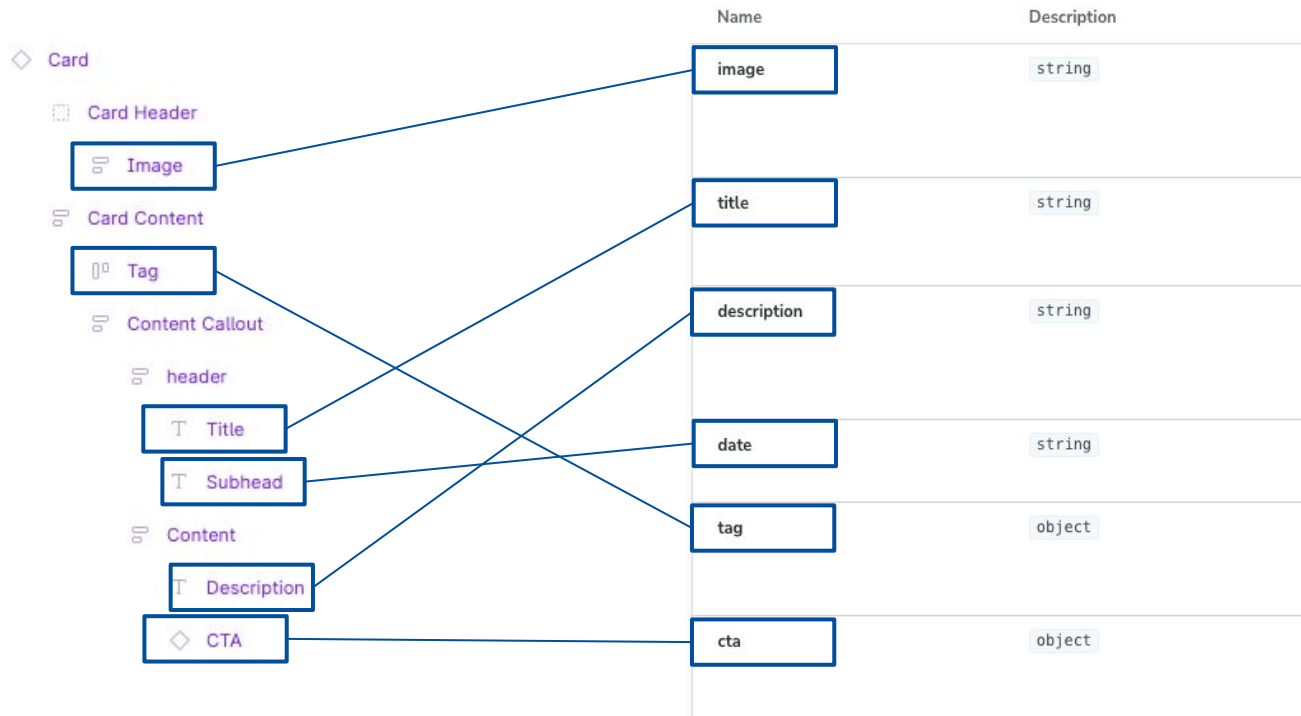
🌿 card-row.twig

🌀 card.scss

⚛️ card.stories.jsx

! card.yml

Full Flow

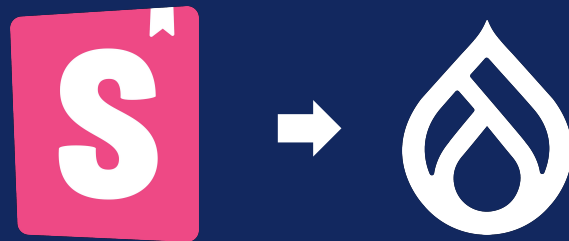


Drupal Demo

Connect Storybook to Drupal

Dependencies

- Preprocessing in theme to generate the libraries for each component
 - Library hook builds the libraries for drupal templates
 - Library must be attached to the component
- Use of drupal/components for namespacing
 - Defined namespaces in info file



✨ Make the Magic Happen

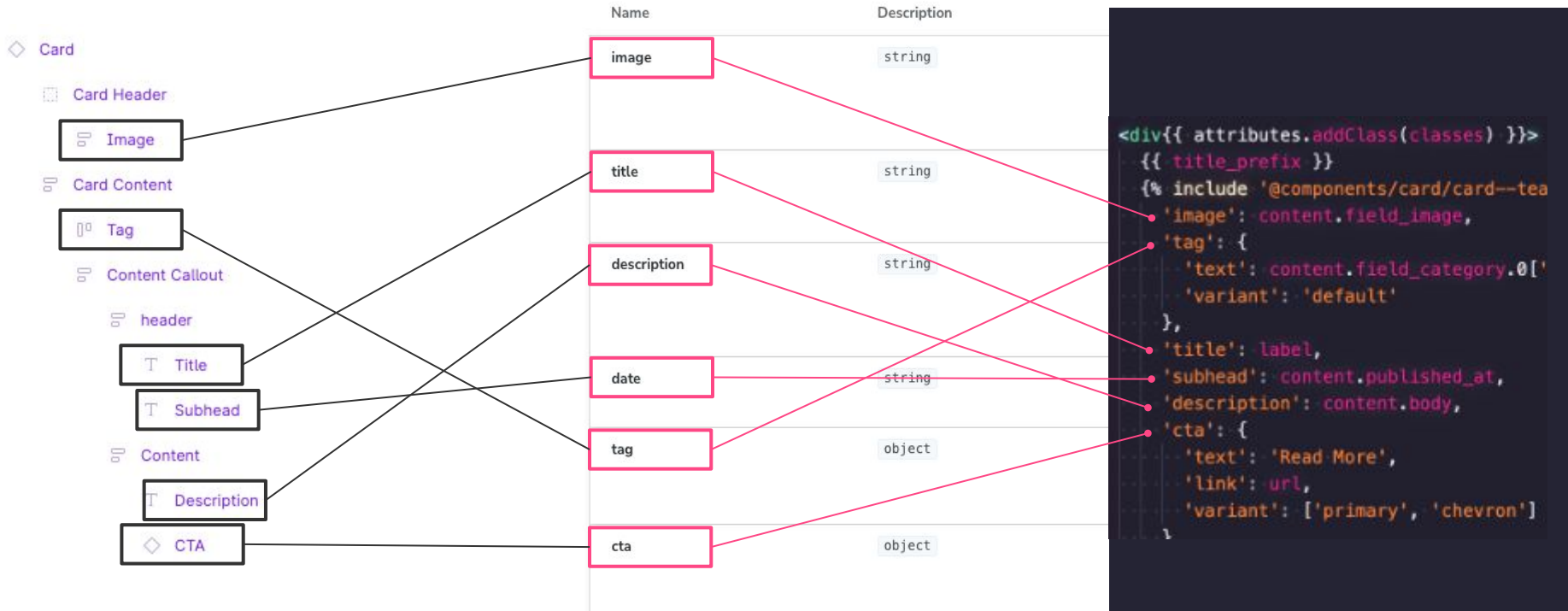
The component receives all output when called:

```
<article class="{{ class_list|join(' ')|trim }}">
  {% if image %}
    <div class="card_image">
      {{ image }}
    </div>
  {% endif %}
  <div class="card_content">
    {% if tag.text %}
      {% include '@elements/tag/tag.twig' with {
        'title': tag.text,
        'link': tag.link,
        'variant': tag.variant,
      } %}
    {% endif %}
    {% if title %}
      <div class="card_title">
        {% if label_url %}
          <a href="{{ label_url }}">{{ title }}</a>
        {% else %}
          {{ title }}
        {% endif %}
      </div>
    {% endif %}
    {% if subhead %}
      <div class="card_subhead">{{ subhead }}</div>
    {% endif %}
    {% if description %}
      <div class="card_description">{{ description }}</div>
    {% endif %}
    {% if cta.link %}
      {% include '@elements/button/button.twig' with {
        'text': cta.text,
        'link': cta.link,
        'variant': cta.variant,
      } %}
    {% endif %}
  </div>
</article>
```

Template override for a display mode that uses our card component:

```
{%
  set classes = [
    'node',
    'node--type-' ~ node.bundle|clean_class,
    node.isPromoted() ? 'node--promoted',
    node.isSticky() ? 'node--sticky',
    not node.isPublished() ? 'node--unpublished',
    view_mode ? 'node--view-mode-' ~ view_mode|clean_class,
  ]
%}
<div{{ attributes.addClass(classes) }}>
  {{ title_prefix }}
  {% include '@components/card/card-teaser.twig' with {
    'image': content.field_image,
    'tag': {
      'text': content.field_category.0['#title'],
      'variant': 'default'
    },
    'title': label,
    'subhead': content.published_at,
    'description': content.body,
    'cta': {
      'text': 'Read More',
      'link': url,
      'variant': ['primary', 'chevron']
    }
  } %}
  {{ title_suffix }}
</div>
```

Full Flow



Benefits of the process



Questions?

Let's Connect



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Senior Full Stack Developer

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**View our in-depth presentation
with takeaways, site examples,
and other resources**

[sandstormdesign.com/
figma-to-function](https://sandstormdesign.com/figma-to-function)



FIN
