

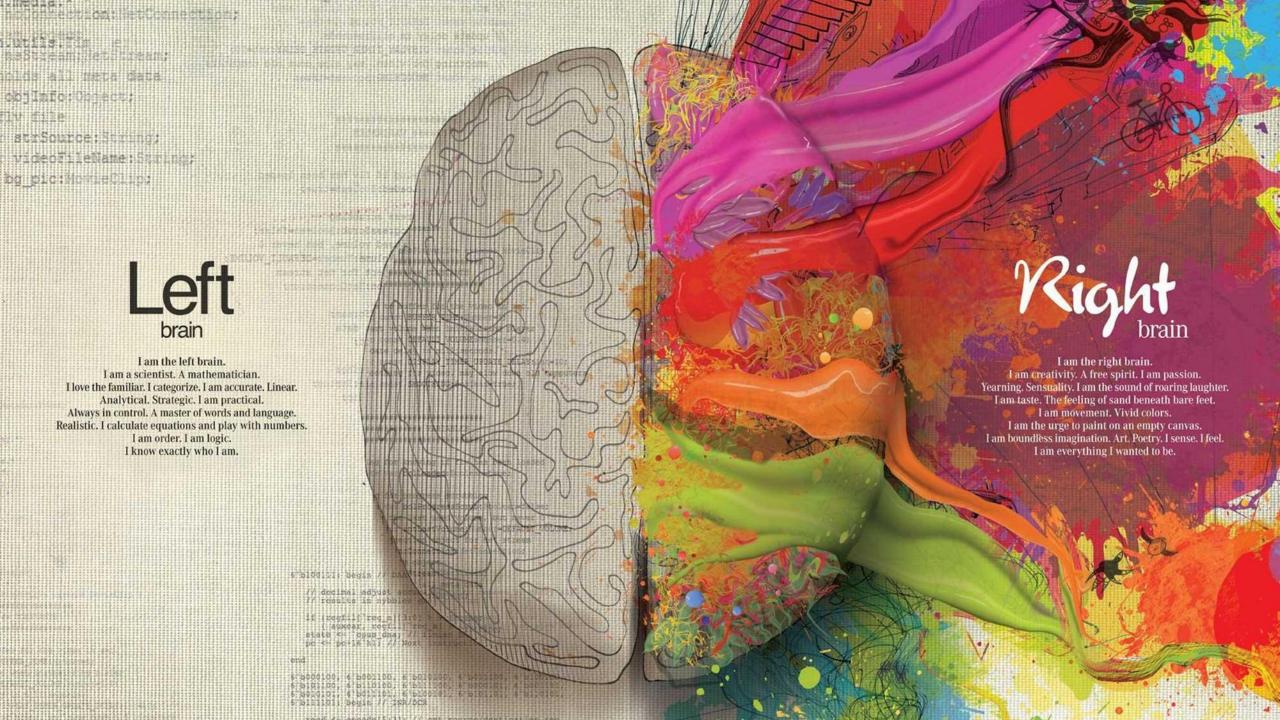
# Contents

- D.E.P. Challenges in scaling UX practices
- Design Systems to the rescue
- Which type of Design System is best?
- How to create your Design System?
- Enable your design system with the Mendix Platform
- When to create your design system in D.E.P.?



# Digital Execution Practice challenges in scaling UX practices











1 - 5 apps

#### **START**

learn & celebrate success

Identify start portfolio

Build dedicated team

Launch digital program

First app live in 30 days

5-50 apps

#### **STRUCTURE**

Formalize processes

Launch ideation process

Define sourcing strategy

Scale dedicated teams

Define processes & architecture

50-500 apps

#### SCALE

The Digital Enterprise

Systematic enterprise-wide approach to innovation & collaboration

Center of excellence

Focus on patterns, governance and scalability

Focus on automation



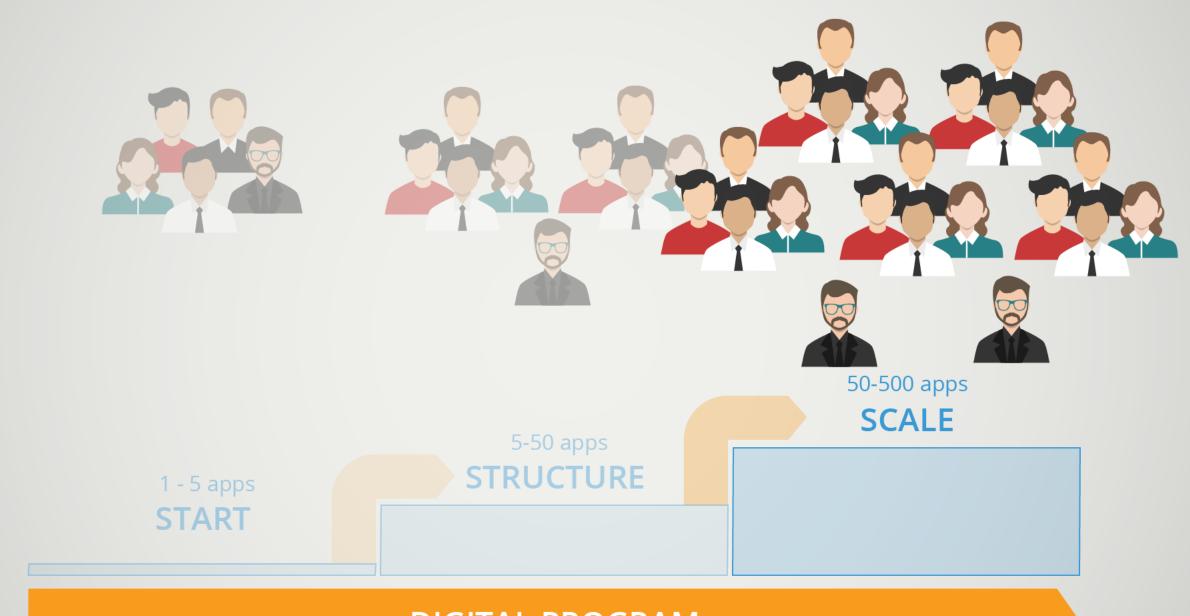




50-500 apps
SCALE

1 - 5 apps
START

START

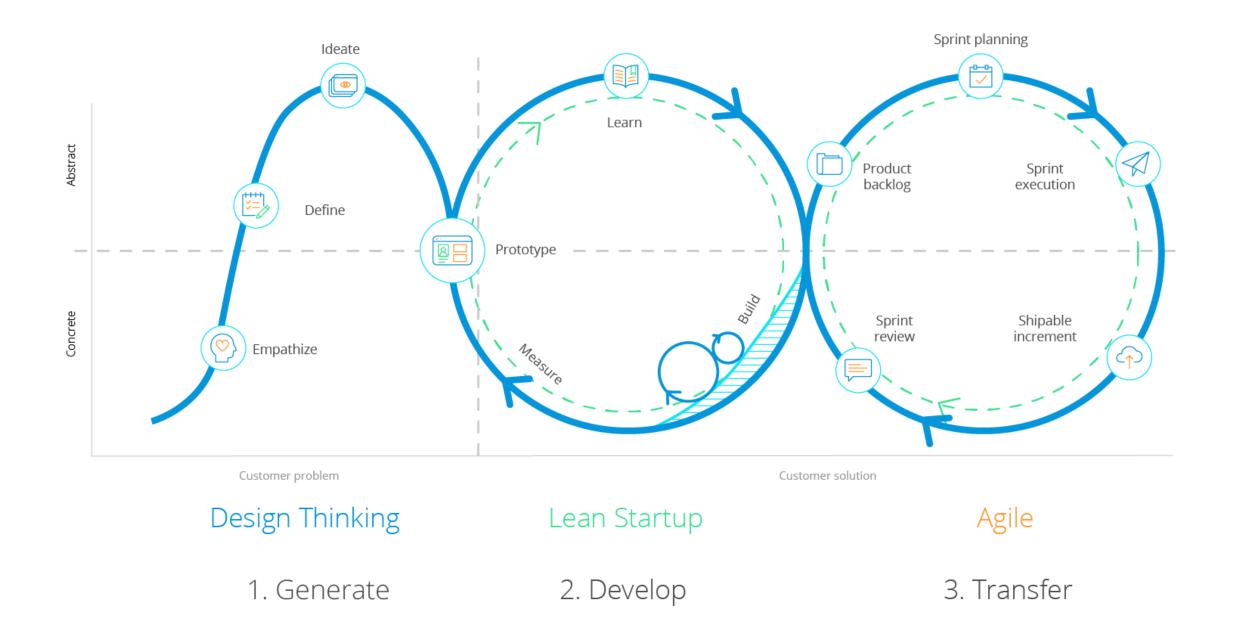




# Principles of UX Design

- Consistency
- Usability & Efficiency
- Discoverability / Predictability
- Learnability
- Accessibility
- Delight





# Design Systems to the rescue



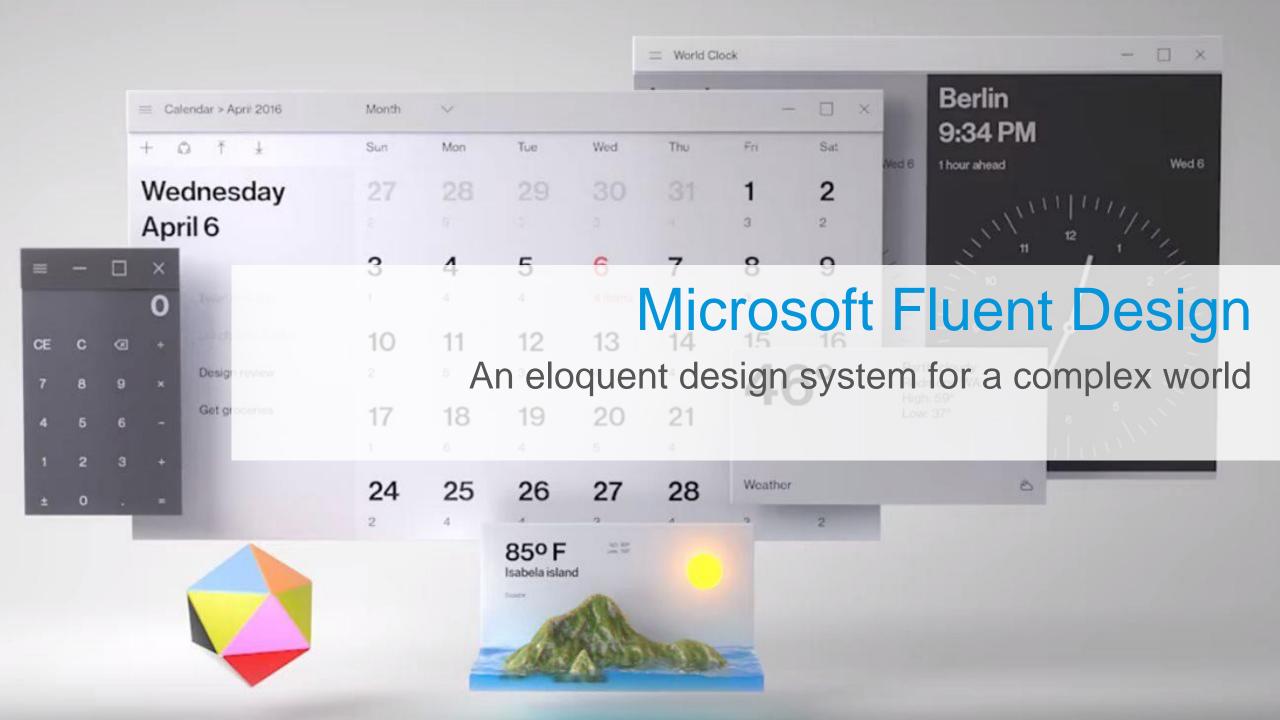


A systematic approach for establishing a common, shared language among teams.



A set of connected patterns and shared practices, coherently organized to serve the purpose of digital products.









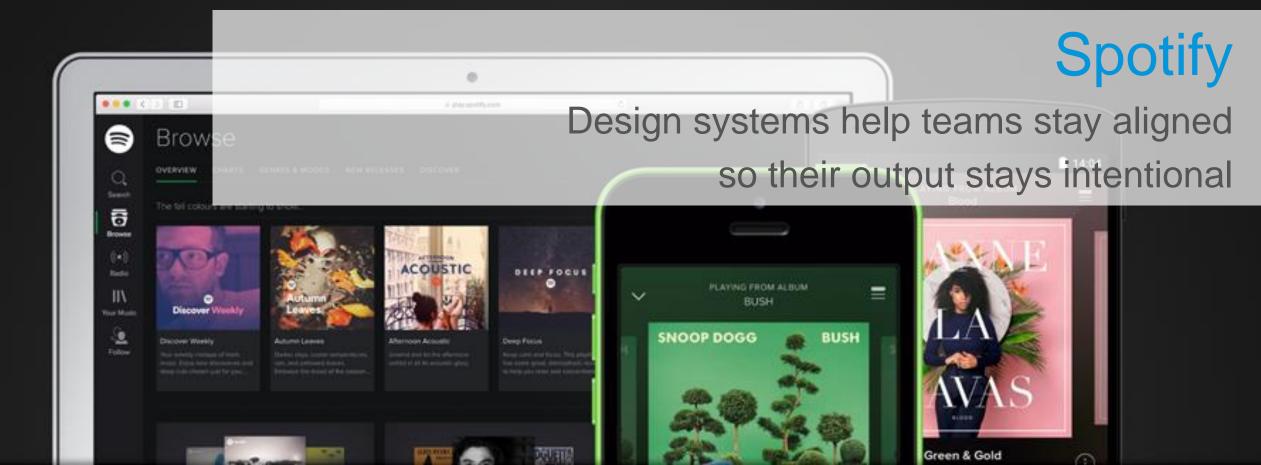






GLUE

# Global Language, Unified Experience



# Design, develop, and deliver

Use Atlassian's end-to-end design language to create straightforward and beautiful experiences.

Brand

Foundations, including personality, writing style, color, and type.

A double rainbow!

We use color in meaningful ways in all expressions of our brand.











M Marketing

Atlassian logos



P Product

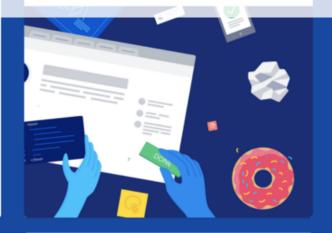
**AtlasKit** 

Foundations, components, and patterns tlassian for building applications.

An end-to-end design language



Why prototyping is a must





# Ingredients of a Design System

- Design principles
- Patterns
- A shared language
- Pattern libraries
- Practices



# Design principles

Shared guidelines that capture the essence of what good design means.

#### Characteristics:

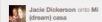
- Authentic and genuine
- Practical and actionable
- Having a specific point of view
- Relatable and memorable



Josh Vengley



Patrick's Day!





Eiralee SMITH onto Wedding party ideas



Charisma Black Bed Linen by Private Collection from Harvey Norman New Zealand



Jade Duley onto For the Home

Heather Clark onto home



Decorations





This is such a brutal but life-affirming



Tell me what if only ...

Carly Goldmann onto the

42. Stay motivated to lose stomach fat

fast! How can any of these best ways to lose stomach fat fast work if you're

not motivates? Think about what could

Fast and Hot onto Workout

Wenyang Sun onto Love Nature

gotta share this one

T Alvord onto ideas for

help you stay motivated. ...





Lunch salad ideas





A succulent mural. Awesome!



Lynn Ferda onto Garden Ideas











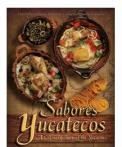
Tina O'Shea onto wear it

Rodan & Fields - Soothe

Kimberly Adkison-Holloway onto Personal Products I Love







Sabores Yucatecos by Chef Cetina of Chichen Itza

LatinoFoodie onto Favorite Food Books



Ssssssssssssssssss

Zarin Fernandes onto



Skechers - Go Run !!





whole wheat focaccia \_ with my favorite flavors, roasted carlic rosemary lemon and olive of



stripes&beaded shorts.

Alyson Manley onto My Style

I love her. Resistance is futile

Gary Walker onto Stuff That Makes Me Smile









Great stylish boot for the winter just

Betsy Coil onto Boots

'Animated'



Adorable printed skirt makes such an impact for Spring!





Cutting Processed Foods from Your Diet...Seriously Considering This



Lauren Graves onto Favorite
Websites



Oli likes pulpos/octopuses





Minty Protein Shake

Caroline Quan

# **Patterns**

A recurring, reusable solution that can be applied to solve a design problem.

#### Types:

- Functional patterns
- Perceptual patterns
- Interaction / User flow patterns
- Persuasive patterns
- Domain oriented patterns

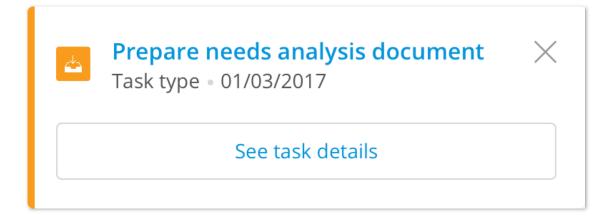


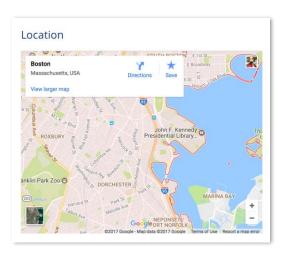
# Patterns - Functional patterns

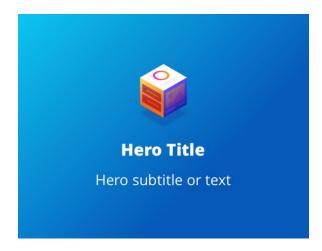
Tangible building blocks of an interface to enable / encourage user behaviors



- Cards
- Hero headers / billboards
- Progression indicators
- Wizard step navigation









# Patterns - Perceptual patterns

Elements / Characteristics that influence the actual user experience and connect the entire system of elements. Can be seen as an ambiance or personality.

#### Examples:

- Typography
- Color palette
- Tone of voice
- Layout
- Interactions and animations



# H1 heading

**H2** heading

H3 heading

The body text of your application

Footernotes

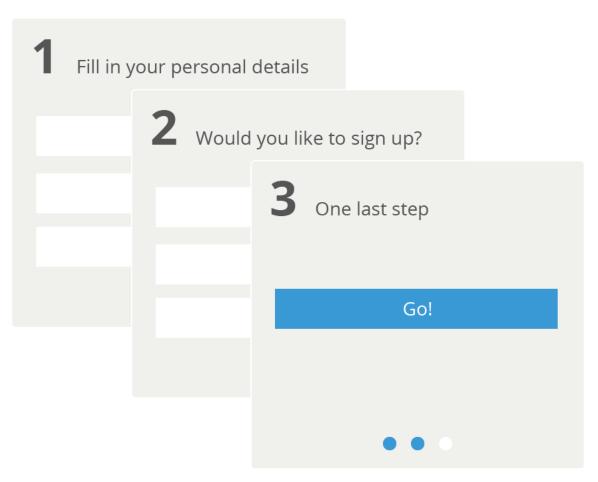


# Patterns - Interaction / User-flow patterns

Design solutions for larger interaction challenges and user journeys

### Examples:

- A user's registration journey
- First launch of an app
- Creation of new objects





# A shared language

Allowing for creating and using patterns cohesively by multiple people and teams.

#### Characteristics:

- Everyone follows the same:
  - guiding principles
  - vision of the brand
  - Approach to design and development
- Every pattern and element has a defined name that:
  - Is known and supported by everyone.
  - Has personality and is memorable
  - Communicates the purpose of the pattern
- Allows for a shared 'responsibility' of the system.





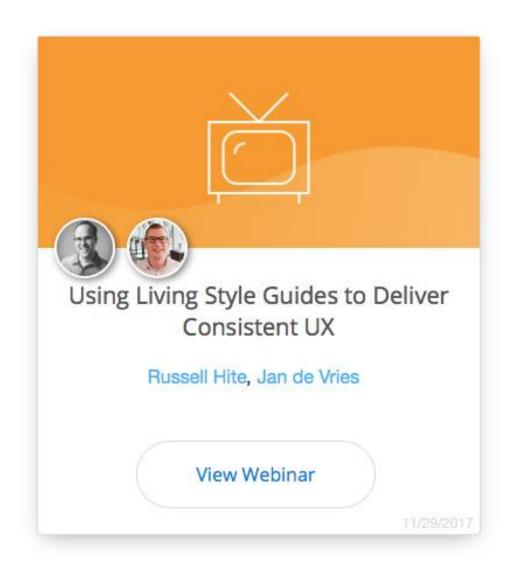


# Pattern libraries

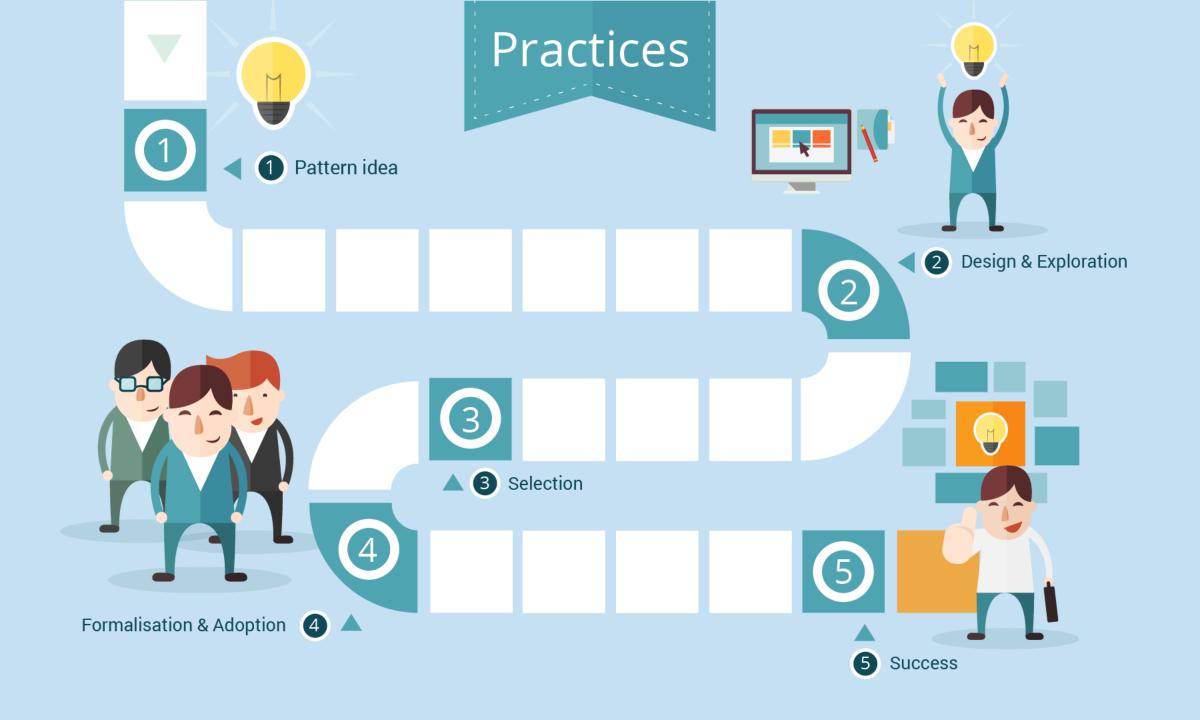
A tool for documenting and sharing design patterns. Also known as a Living Style Guide.

#### Notes:

- Not the system but a tool
- Russell Hite recently did an excellent webinar on the subject







# **Practices**

## A set of practices and techniques for:

- Creating
- applying and
- evolving a design system.

Adding People and Process to Platform and Portfolio



# Which type of Design System is best?



# Parameters of Design Systems

Three parameters:

### **RULES**

Strict



Loose

# Parameters of Design Systems

Three scales:

RULES

Strict

Loose

PARTS

Modular

Integrated



## Parameters of Design Systems

Three scales: RULES Strict **PARTS** Modular Integrated **ORGANIZATION** Centralized Distributed

### Parameters of Design Systems - Rules

### Strict

#### Our Design System

#### Table of contents

1 - 51 Our design vision 52 - 120 Our patterns Branding Tone of Voice Page templates **Building Blocks** 120-155 Our processes 155-167 Learning 168-189 Best practices 190-210 Examples

### Loose

### Our Design System

#### Table of contents

1 Our design vision 2 - 4 Our patterns

Questions? Mail me at me@ourdesignsystem.com



## Parameters of Design Systems - Rules

### Strict

### Strict processes and rules

- Predictable outcomes
- Visual consistency

Can become rigid and restricting

### Loose

Emphasizing branding and utility over perfect consistency

- Context and experimentation prioritized
- Maximize usability
- Can become messy and fragmented



Modular



Integrated





### Modular

## Interchangeable parts for various assemblies

- Good fit with agile and multi teams
- Cost effective (reusability)
- Easy to maintain & adaptable
- High initial investment
- Can lead to patchwork designs or generic outcomes

### Integrated

Consist of parts that are **not** interchangeable due to their connections.

- Specific and coherent
- Quick to build
- Not scalable, adaptable or reusable



Modular



Integrated





### Modular

### Suited for products that:

- Need to scale and evolve
- Need to adapt to user needs
- Have a large number of repeating parts
- Have multiple teams

Flipboard, Pinterest

### Integrated

### Suited for products that:

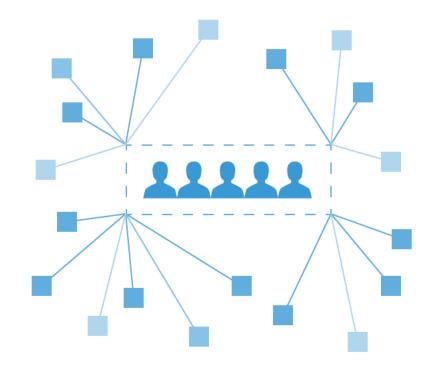
- Are designed for one purpose
- Are one-offs
- Don't need to scale

Marketing campaigns, showcases, conference websites

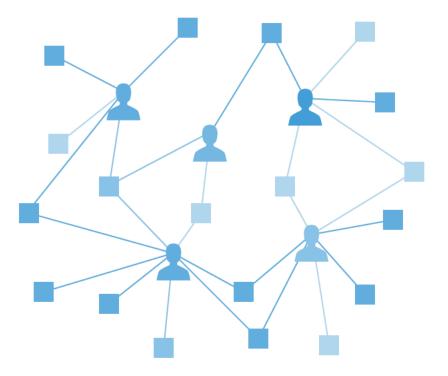


## Parameters of Design Systems - Organization

### Centralized



### Distributed





## Parameters of Design Systems - Organization

### Centralized

Rules and patterns are managed by 1 group of people

- Ownership
- Reliability
- Focus on creative direction

- Can slow down team
- Takes away autonomy

### Distributed

**Everyone using the system** is responsible for maintaining and evolving

- Autonomy
- Resilience
- Distributed design knowledge
- Can get neglected
- Dilutes creative direction



## Parameters of Design Systems - Example





















## **Takeaways**

- The most important influencing factor is team culture: which will be reflected in the design system.
- It's common for companies that their design system moves along the 3 axes in time
- Design systems have a large impact on:
  - Design & Development processes
  - Collaboration
- Hence someone else's system is not yours.
- Every design system is unique

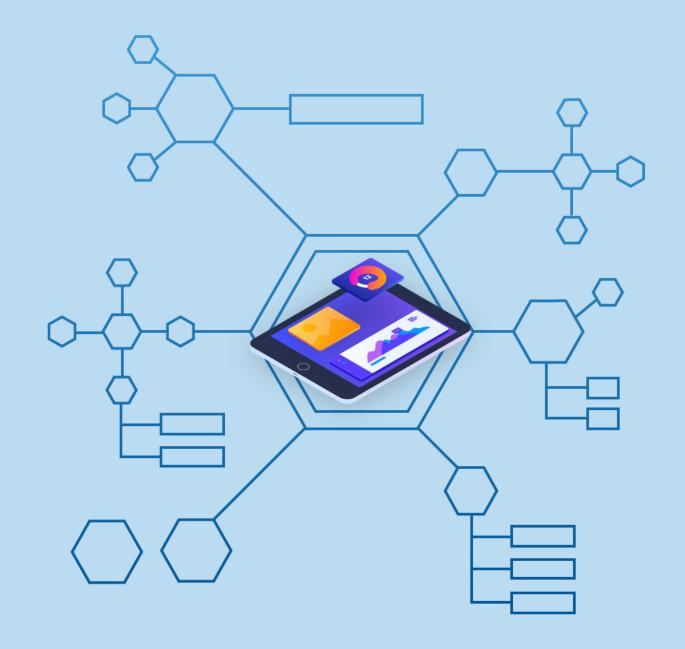


## How to create your Design System





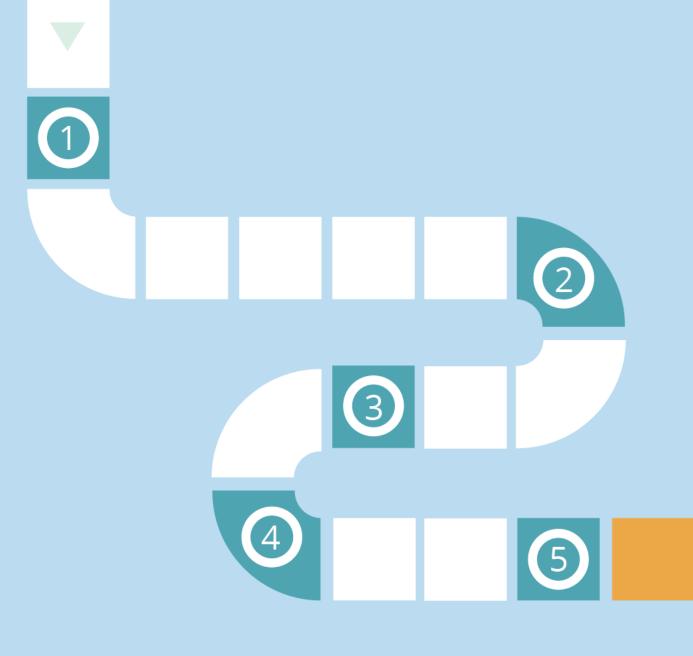
## Systemize your patterns



**Create a Pattern Library** 



## Setup Practices and Processes



## Enable your design system with the Mendix Platform









1 Navigation Layouts





- 1 Navigation Layouts
- 2 Page Templates





- 1 Navigation Layouts
- 2 Page Templates
- 3 Building Blocks





- 1 Navigation Layouts
- 2 Page Templates
- 3 Building Blocks
- 4 Widgets





- 1 Navigation Layouts
- 2 Page Templates
- 3 Building Blocks
- 4 Widgets
- 5 Design Properties







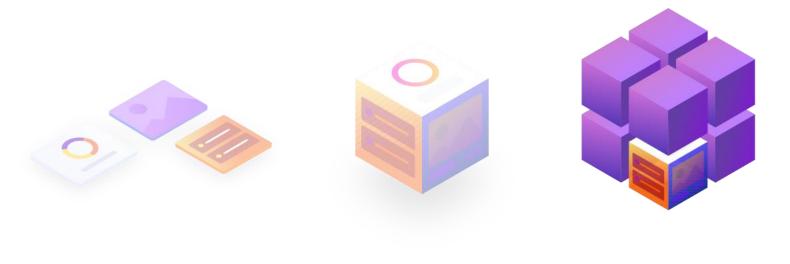
**PATTERNS** 





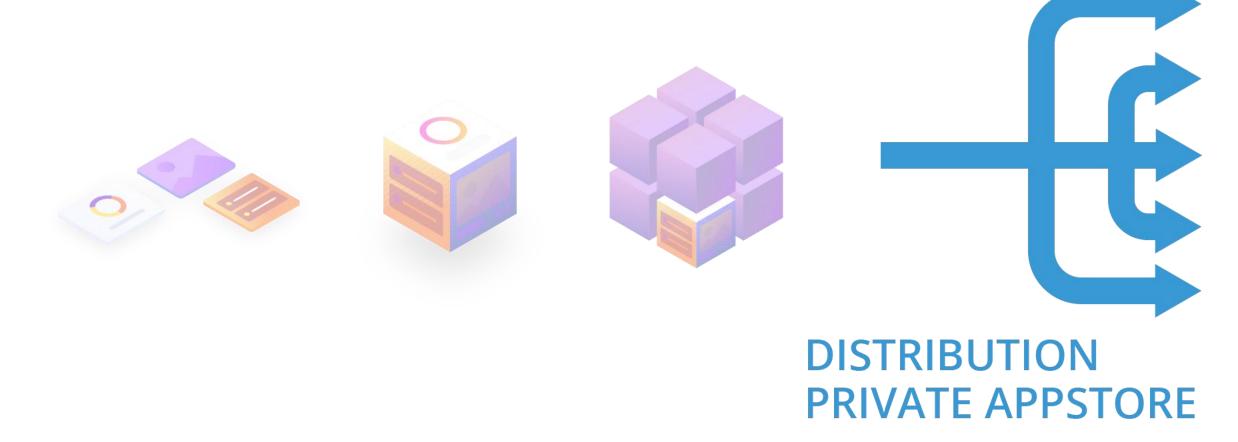
**ATLAS**UI PACKAGE





PLATFORM ASSETS







## When to create your design system in D.E.P.



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### **DIGITAL PROGRAM**

## Common D.E.P. Challenges

- Including relevant departments such as UX Design & Marketing
- No existing Design System present
- Time and resources not readily available for creating one



### Best practices

- Start as soon as possible: at the first inkling of the app portfolio
- Gain company wide traction and support
- Take a holistic approach to your Design System's strategy



5-50 apps

### **STRUCTURE**

Formalize processes

Launch ideation process

Define sourcing strategy

Scale dedicated teams

Define processes & architecture

50-500 apps

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The Digital Enterprise

approach to innovation & collaboration

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1 - 5 apps

### **START**

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DIGITAL PROGRAM



## Questions?



# Join us in helping our customers in their future Design Systems journey

