



Czy to przyszłość tworzenia
widoków w Ruby on Rails?

2N
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O mnie

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Programista  w 



2 lata temu mój szef przyszedł na zajęcia szkieletówki na pb, zeby zachęcić studentów aby pisali projekt w railsach. Pod koniec projektu przyszedłem na staż i już zostałem w tej firmie.

W ostatnim projekcie miałem okazję korzystać z biblioteki view component i dzisiaj chciałbym ją wam pokazać.



Cel prezentacji

Celem prezentacji jest zaprezentowanie biblioteki ViewComponent osobom, które nie miały jeszcze z nią doświadczenia, oraz demonstracja bardziej zaawansowanych zastosowań tej biblioteki dla pozostałych osób.

Agenda

1. Wprowadzenie do ViewComponent
2. Zalety stosowania ViewComponent
3. Generatory i konfiguracja ViewComponent
4. Przekazywanie danych
5. Inne funkcjonalności
6. Dobre praktyki
7. Porównanie wydajności: ViewComponent kontra inne rozwiązania
8. Podsumowanie i sesja pytań i odpowiedzi



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

Wprowadzenie

Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

- **Obiekty Ruby, które generują HTML**
- **Klasa Ruby + template**
- **Odizolowanie od pozostałej części aplikacji, testowalność, reużywalność**



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.



```
1 #app/views/greetings/index.html.erb  
2  
3  
4
```





```
1 #app/views/greetings/index.html.erb
2
3 <%= "Hello #{current_user.name} 👋" %>
4
```



Hello John Doe 🙌



```
1
```

```
create app/components/greetings_component.rb  
create app/components/greetings_component.html.erb
```

```
2
```

```
3
```



```
1 # app/components/greetings_component.rb
2
3 class GreetingsComponent < ViewComponent::Base
4   def initialize(name:)
5     @name = name
6   end
7 end
8
```



```
1 # app/components/greetings_component.html.erb
2
3 <%= "Hello #{@name} 👋" %>
4
```



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

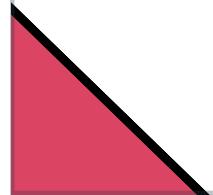
```
1 # app/views/greetings/index.html.erb
2
3 <%= "Hello #{current_user.name} 🙌" %>
4 <%= render GreetingsComponent.new(name: current_user.name) %>
5
```



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

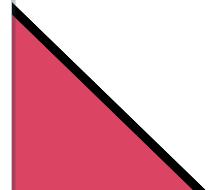
Hello John Doe 🙌 Hello John Doe 🙌

Kto i dlaczego?



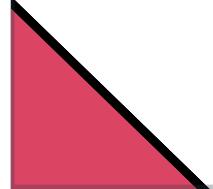
Aktualna stabilna wersja: **v2.82.0**

Prace trwają nad: **v3.0.0.rc5**





- łatwiej zarządzać rosnącą złożonością widoków





- łatwiej zarządzać rosnącą złożonością widoków
- brak abstrakcji spowodował trudności z zmianą designu i poprawy jakości kodu



problem thousands copy pasting widoków



- łatwiej zarządzać rosnącą złożonością widoków
- brak abstrakcji spowodował trudności z zmianą designu i poprawy jakości kodu
- łatwiej reużywać kod i poprawiać jakość kodu



poprawiać jakość kodu np dla osób niepełnosprawnych
accessibility

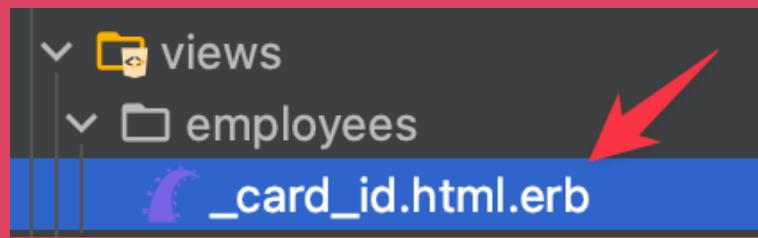


- łatwiej zarządzać rosnącą złożonością widoków
- brak abstrakcji spowodował trudności z zmianą designu i poprawy jakości kodu
- łatwiej reużywać kod i poprawiać jakość kodu
- łatwiej testować



piramida z testowaniem

Jaki jest problem z shared partials?



- ścisłe powiązany kod



odnosi się do sytuacji gdzie partial je wykorzystywany w dwóch widokach. Zmiana w partialu powoduje zmianę widoku w tych dwóch stronach. To utrudnia modyfikowanie, rozszerzanie lub utrzymanie kodu.

- ścisłe powiązany kod
- ukryte argumenty



patrzymy na render partiala i nie wiemy jakich danych używa (no chyba, że używamy locals do przekazywania danych)

- ścisłe powiązany kod
- ukryte argumenty
- nieprzewidywalny przepływ danych



nie wiadomo gdzie zmienne instancyjne zostały zainicjalizowane. Mogą być przecież zainicjalizowane w beforach :X

- ścisłe powiązany kod
- ukryte argumenty
- nieprzewidywalny przepływ danych
- używanie helperów

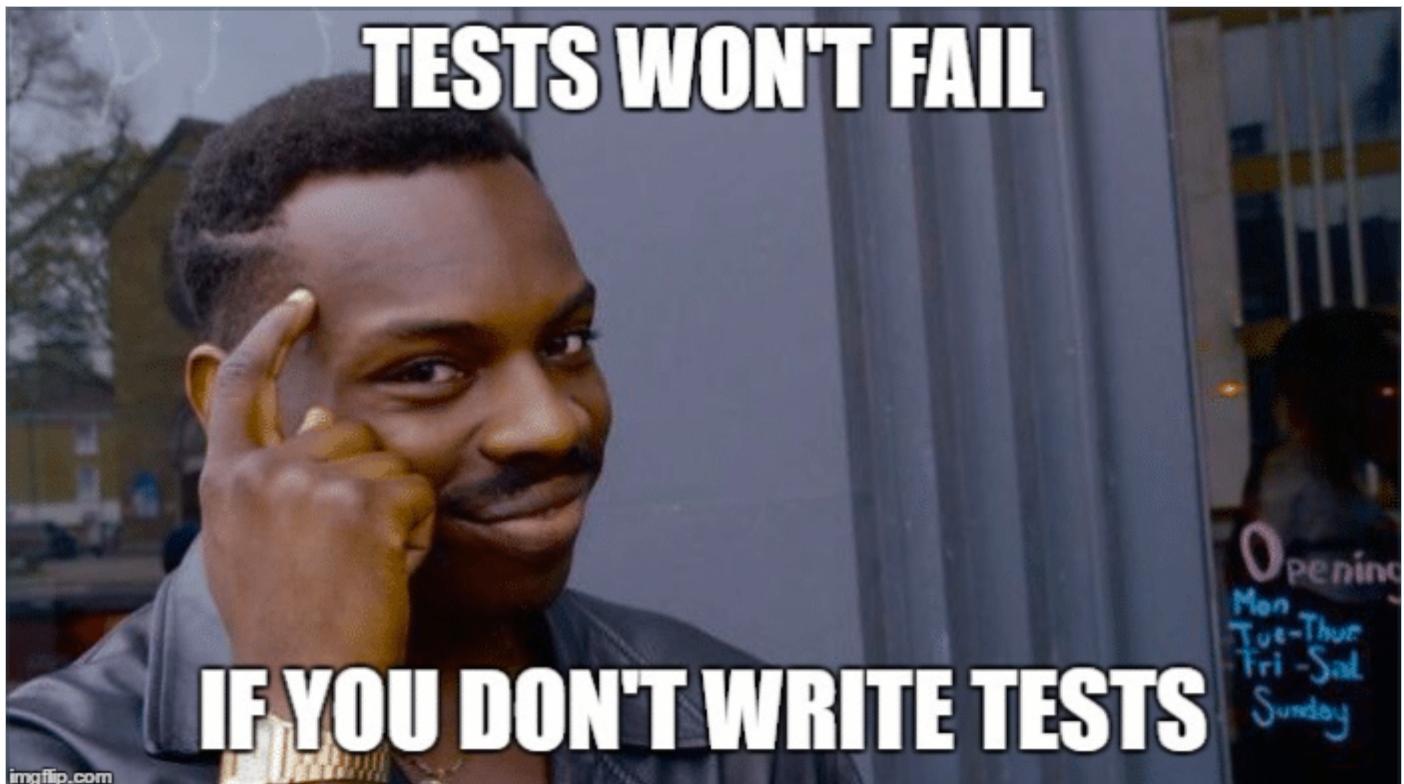


- brak enkapsulacji (wszystkie metody są jawne i dostępne z poziomu widoków)
- zanieczyszczenie globalnej przestrzeni nazw. Konflikt nazw

- ścisłe powiązany kod
- ukryte argumenty
- nieprzewidywalny przepływ danych
- używanie helperów
- trudności z testowaniem?



- brak enkapsulacji (wszystkie metody są jawne i dostępne z poziomu widoków)



Module: RSpec::Rails::ViewExampleGroup::ExampleMethods

Defined in: lib/rspec/rails/example/view_example_group.rb

Overview

DSL exposed to view specs.

Instance Method Summary

(expand)

params render response stub_template template view

Instance Method Details

- (Object) params

Provides access to the params hash that will be available within the view.

```
params[:foo] = 'bar'
```

□

- (Object) render
- (Object) render({:partial => path_to_file})
- (Object) render({:partial => path_to_file}, {... locals ...})
- (Object) render({:partial => path_to_file}, {... locals ...})

Delegates to ActionView::Base#render, so see documentation on that for more info.

The only addition is that you can call render with no arguments, and RSpec will pass the top level description to render:

```
describe "widgets/new.html.erb" do
  it "shows all the widgets" do
    render # => view.render(:file => "widgets/new.html.erb")
    ...
  end
end
```

□



```
1 # views/greetings/hello_spec.rb
2
3 require 'rails_helper'
4
5 describe 'hello partial' do
6   it 'succeeds' do
7     render partial: 'greetings/hello', locals: { name: 'John Doe' }
8
9     expect(rendered).to have_content 'Hello John Doe ✌'
10  end
11 end
```



1

Reużywalność
kodu

2

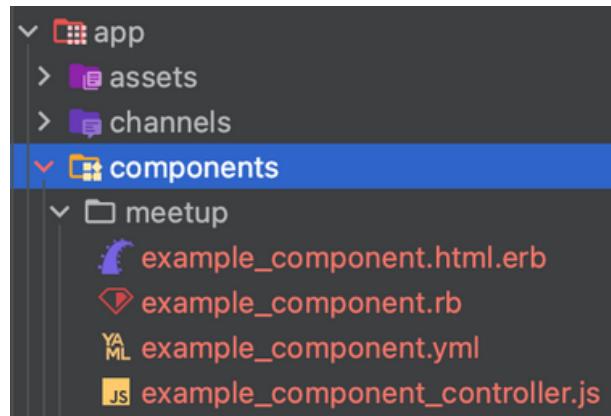
Dane
przekazywane
w jawny sposób

3

Nie korzystamy z
helperów, bo
mamy do każdego
template klasę
ruby

Generatory / Konfiguracja

```
1 rails g component meetup/example title --stimulus --locale
```



```
1 rails g component meetup2/example title --stimulus --locale --sidecar
```





locals



domyślnie te tłumaczenia są izolowane do jednego komponentu. Z jednej strony to jest fajne, ale z drugiej strony zarządzanie wieloma plikami yml może być kłopotliwe.

I18n integration (alternative)

palkan/view_component-contrib

ViewComponent recently added (experimental) [I18n support](#), which allows you to have isolated localization files for each component. Isolation rocks, but managing dozens of YML files spread across the project could be tricky, especially, if you rely on some external localization tool which creates these YMLs for you.

We provide an alternative (and more *classic*) way of dealing with translations—namespacing. Following the convention over configuration, put translations under `<locale>.view_components.<component_scope>` key, for example:

```
en:  
  view_components:  
    login_form:  
      submit: "Log in"  
    nav:  
      user_info:  
        login: "Log in"  
        logout: "Log out"
```

And then in your components:

```
<!-- login_form/component.html.erb -->  
<button type="submit">&lt;t(".submit")&gt;</button>  
  
<!-- nav/user_info/component.html.erb -->  
<a href="/logout">&lt;t(".logout")&gt;</a>
```

If you're using `ViewComponentContrib::Base`, you already have translation support included. Otherwise you must include the module yourself:

```
class ApplicationController < ViewComponent::Base  
  include ViewComponentContrib::TranslationHelper  
end
```



gem version 0.1.3 Build passing

View Component: extensions, examples and development tools

This repository contains various code snippets and examples related to the `ViewComponent` library. The goal of this project is to share common patterns and practices which we found useful while working on different projects (and which haven't been or couldn't be proposed to the upstream).

All extensions and patches are packed into a `view_component-contrib` meta-gem. So, to use them add to your Gemfile:

```
gem "view_component-contrib"
```



Installation and generating generators

NOTE: We highly recommend to walk through this document before running the generator.

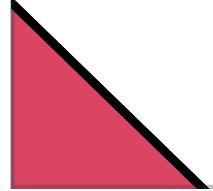
The easiest way to start using `view_component-contrib` extensions and patterns is to run an interactive generator (a custom [Rails template](#)).

All you need to do is to run:

```
rails app:template LOCATION="https://railsbytes.com/script/zjos05"
```

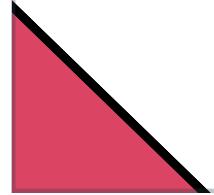


Inline rendering





```
1 rails g component meetup3/example title --inline
```

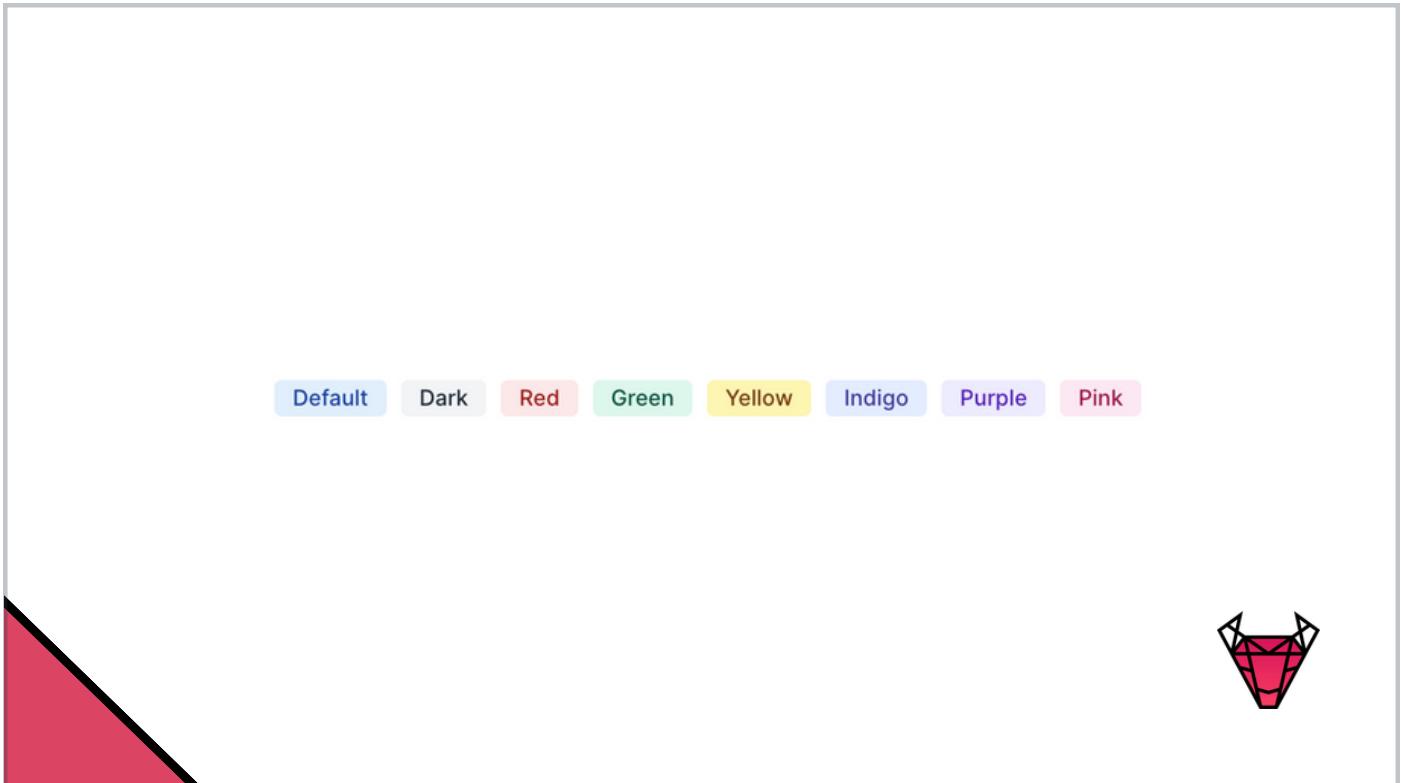


```
1       create  app/components/meetup3/example_component.rb
```



```
1 # app/components/meetup3/example_component.rb
2
3 module Meetup3
4   class ExampleComponent < ViewComponent::Base
5     def initialize(title:)
6       @title = title
7     end
8
9     def call
10       content_tag :h1, 'Hello world!'
11     end
12   end
13 end
14
```





```
1 class InlineComponent < ViewComponent::Base
2   def call
3     if active?
4       link_to "Cancel integration", integration_path, method: :delete
5     else
6       link_to "Integrate now!", integration_path
7     end
8   end
9 end
10
```



Parent class



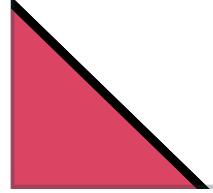
```
1 module Shared
2   class ButtonComponent < ViewComponent::Base
3     attr_reader :label, :icon
4
5     def initialize(label:, icon:)
6       @label = label
7       @icon = icon
8     end
9   end
10 end
```

```
1 <button type="button" class="border rounded-lg">
2   <% if icon %> <i class="mr-2"><%= icon %></i> <% end %>
3   <%= label %>
4 </button>
5
```



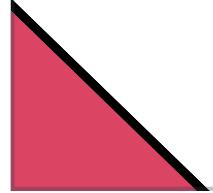


LIKE BUTTON



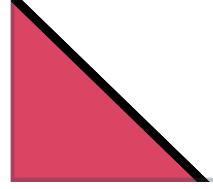


```
1 rails g component shared/like_button2 label --parent Shared::ButtonComponent
```



```
● ● ●
```

```
1 module Shared
2   class LikeButton2Component < Shared::ButtonComponent
3     def initialize(label:)
4       super(label:, icon: '👍')
5     end
6   end
7 end
```

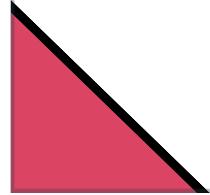




```
1 <%= render Shared::LikeButton2Component.new(label: 'LIKE BUTTON NO INLINE') %>
```



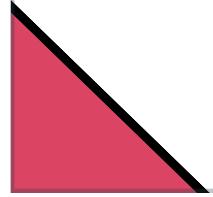
LIKE BUTTON NO INLINE





```
1 <div class="bg-amber-500 w-56 rounded-md ">
2   <% render_parent %>
3 </div>
```

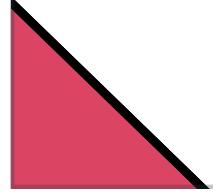
👉 LIKE BUTTON NO
INLINE



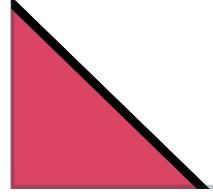
dry-initialize

```
1 class BaseViewComponent < ViewComponent::Base
2   extend Dry::Initializer
3 end
```

```
1 # config/initializers/view_component.rb
2
3 Rails.application.configure do
4   config.view_component.component_parent_class = 'BaseViewComponent'
5 end
```



```
● ● ●  
1 module Meetup4  
2   class ExampleComponent < BaseViewComponent  
3     # def initialize(title:  
4     #   @title = title  
5     # end  
6     option :title  
7   end  
8 end  
9
```



Przekazywanie danych

Content

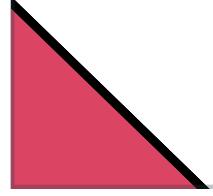


Content

```
1 <%= render Meetup5::ButtonComponent.new do %>
2   BUTTON CONTENT
3 <% end %>
```

```
1 #app/components/meetup5/button_component.html.erb
2 <div class="border rounded-md w-fit bg-amber-500 p-4">
3   <%= content %>
4 </div>
```

BUTTON CONTENT

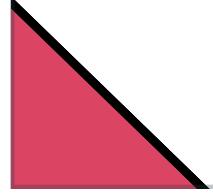


Content

```
1 <%= render Meetup5::ButtonComponent.new do %>
2   BUTTON CONTENT
3 <% end %>
```

```
1 # app/views/greetings/index.html.erb
2 <%= render Meetup5::ButtonComponent.new.with_content('Button with content2') %>
```

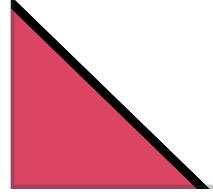
Button with content2



Content

```
1 module Shared
2   class ContainerComponent < ViewComponent::Base
3   end
4 end
```

```
1 # app/components/shared/container_component.html.erb
2 <div class='bg-white p-10 flex flex-col mb-5 rounded-md shadow'>
3   <%= content %>
4 </div>
5
```

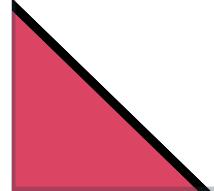


Content



```
1 render(Shared::ContainerComponent.new.with_content('Hello World!'))
```

Hello World!



Slots

```
1 # app/components/shared/container_component.rb:8
2 module Shared
3   class ContainerComponent < ViewComponent::Base
4     renders_one :header
5   end
6 end
```

```
1 app/components/shared/container_component.html.erb
2 <div class='bg-white p-10 flex flex-col mb-5 rounded-md shadow'>
3   <%= content_tag :h3, header, class: 'text-xl font-bold mb-4' if header %>
4
5   <%= content %>
6 </div>
```

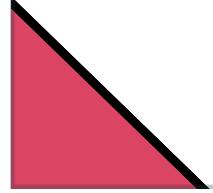


Slots

```
1 render(Shared::ContainerComponent.new) do |component|
2   component.header { 'Header' }
3   "Content"
4 end
```

Header

Content



Slots#2



```
1 <%= render Shared::ContainerComponent.new do |container| %>
2   <% container.with_header { 'Header' } %>
3   <%= render Shared::Show::ObjectDetailsComponent.new do |object_details| %>
4     <% object_details.with_detail(label: 'Detail 1').with_content('Content 1') %>
5     <% object_details.with_detail(label: 'Detail 2').with_content('Content 2') %>
6     <% object_details.with_detail(label: 'Detail 3').with_content('Content 3') %>
7     <% object_details.with_detail do %>
8       <%= link_to 'Delete book', 'Edit object', class: 'text-red-500' %>
9     <% end %>
10   <% end %>
11 <% end %>
12
```

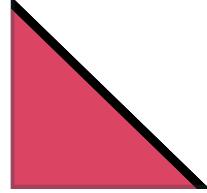
Slots#2

```
1 <%= render Shared::ContainerComponent.new do |container| %>
2   <% container.with_header { 'Header' } %>
3   <%= render Shared::Show::ObjectDetailsComponent.new do |object_details| %>
4     <% object_details.with_detail(label: 'Detail 1').with_content('Content 1') %>
5     <% object_details.with_detail(label: 'Detail 2').with_content('Content 2') %>
6     <% object_details.with_detail(label: 'Detail 3').with_content('Content 3') %>
7     <% object_details.with_detail do %>
8       <%= link_to 'Delete book', 'Edit object', class: 'text-red-500' %>
9     <% end %>
10    <% end %>
11 <% end %>
12
```

Slots#2



```
1 module Shared
2   module Show
3     class ObjectDetailsComponent < ViewComponent::Base
4       renders_many :details, Shared::Show::ObjectDetailComponent
5     end
6   end
7 end
8
```



Slots#2

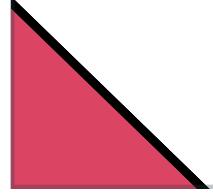
```
1 <%= render Shared::ContainerComponent.new do |container| %>
2   <% container.with_header { 'Header' } %>
3   <%= render Shared::Show::ObjectDetailsComponent.new do |object_details| %>
4     <% object_details.with_detail(label: 'Detail 1').with_content('Content 1') %>
5     <% object_details.with_detail(label: 'Detail 2').with_content('Content 2') %>
6     <% object_details.with_detail(label: 'Detail 3').with_content('Content 3') %>
7     <% object_details.with_detail do %>
8       <%= link_to 'Delete book', 'Edit object', class: 'text-red-500' %>
9     <% end %>
10    <% end %>
11 <% end %>
12
```

Slots#2

```
1 # frozen_string_literal: true
2
3 module Shared
4   module Show
5     class ObjectDetailComponent < ViewComponent::Base
6       attr_reader :label
7       def initialize(label: nil)
8         @label = label
9       end
10      end
11    end
12  end
13
```

Slots#2

```
1 # app/components/shared/show/object_detail_component.html.erb
2 <div class='border-b-2 border-gray_light flex flex-col p-5 pl-0 last:!border-b-0'>
3   <div class='font-semibold'>
4     <%= label %>
5   </div>
6   <%= content %>
7 </div>
```



Slots#2

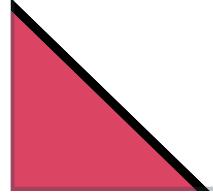
Header

Detail 1
Content 1

Detail 2
Content 2

Detail 3
Content 3

[Delete book](#)



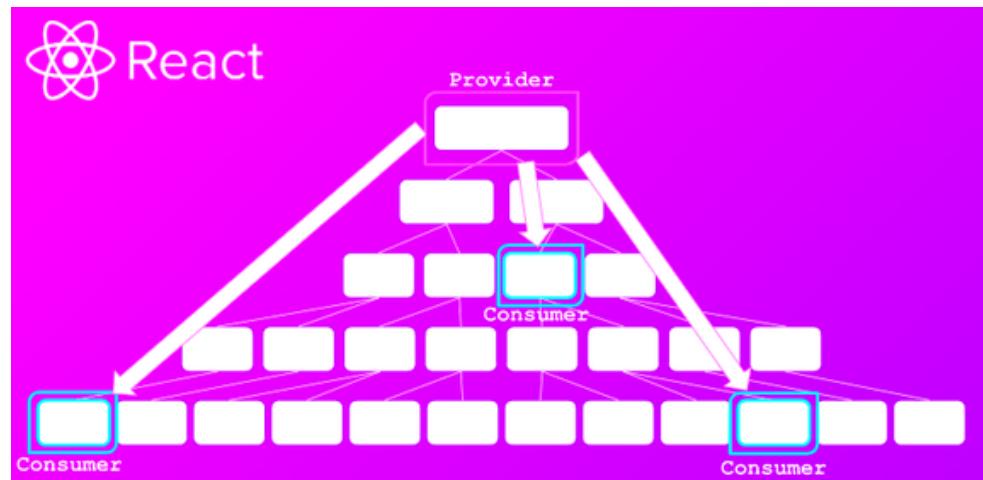
Slots#2

```
1 <%= render Shared::ContainerComponent.new do |container| %>
2   <% container.with_header { 'Header' } %>
3   <%= render Shared::Show::ObjectDetailsComponent.new do |object_details| %>
4     <% object_details.with_detail(label: 'Detail 1').with_content('Content 1') %>
5     <% object_details.with_detail(label: 'Detail 2').with_content('Content 2') %>
6     <% object_details.with_detail(label: 'Detail 3').with_content('Content 3') %>
7     <% object_details.with_detail do %>
8       <%= link_to 'Delete book', 'Edit object', class: 'text-red-500' %>
9     <% end %>
10   <% end %>
11 <% end %>
12
```

Slots#2

```
1 <div class='bg-white p-10 flex flex-col mb-5 rounded-md shadow'>
2   <%= content_tag :h3, 'Header', class: 'text-xl font-bold mb-4' %>
3
4   <div class='border-b-2 border-gray_light flex flex-col p-5 pl-0 last:!border-b-0'>
5     <div class='font-semibold'>
6       <%= 'Detail 1' %>
7     </div>
8     <%= 'Content 1' %>
9   </div>
10
11  <div class='border-b-2 border-gray_light flex flex-col p-5 pl-0 last:!border-b-0'>
12    <div class='font-semibold'>
13      <%= 'Detail 2' %>
14    </div>
15    <%= 'Content 2' %>
16  </div>
17
18  <div class='border-b-2 border-gray_light flex flex-col p-5 pl-0 last:!border-b-0'>
19    <div class='font-semibold'>
20      <%= 'Detail 3' %>
21    </div>
22    <%= 'Content 3' %>
23  </div>
24
25  <div class='border-b-2 border-gray_light flex flex-col p-5 pl-0 last:!border-b-0'>
26    <%= link_to 'Delete book', 'Edit object', class: 'text-red-500' %>
27  </div>
28 </div>
29
```

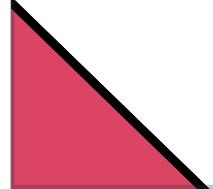
Inne



Renderowanie komponentów z controllera



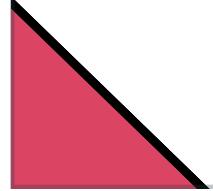
```
1 # app/controllers/home_controller.rb
2 def show
3   render(ExampleComponent.new(title: "My Title"))
4 end
```



dry-effects

ApplicationController

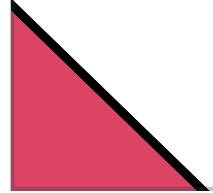
```
● ● ●  
1 include Dry::Effects::Handler(:current_user)  
2  
3 around_action :set_current_user  
4  
5 private  
6  
7 def set_current_user  
8   # Assuming you have `#current_user` method defined:  
9   with_current_user(current_user) { yield }  
10 end
```



BaseViewComponent

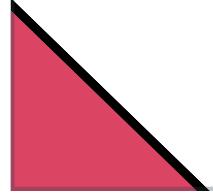


```
1 include Dry::Effects.Reader(:current_user, default: nil)
```



conditional rendering

```
● ● ●  
1 class ExampleComponent < ViewComponent::Base  
2   def initialize(user:)  
3     @user = user  
4   end  
5  
6   def render?  
7     @user.requires_confirmation?  
8   end  
9 end
```



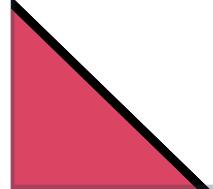
collections



```
1 class ProductComponent < ViewComponent::Base
2   def initialize(product)
3     @product = product
4   end
5 end
```



```
1 <div class="flex gap-2">
2   <%= render(ProductComponent.with_collection(@products, notice: "hi")) %>
3 </div>
```





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Linnea Dietrich
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Mariela Torphy
Product Web Director



Valerie Volkman
Principal Integration Associate



Noemi Waters
Future Quality Designer

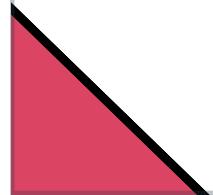
Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

Previews

previews



```
1 rails g component Shared::ImageModalComponent --preview
```



previews



```
1 rails g component Shared::ImageModalComponent --preview
```

test/components/previews/shared/image_modal_component_preview.rb



previews

http://0.0.0.0:3000/rails/view_components

Publishers/Promotions/Status Component

- active
- expired
- on_hold
- waiting

Shared/Image Modal Component

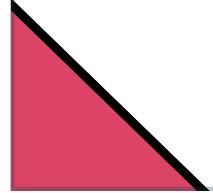
- default
- sm_size
- with_custom_url

Shared/Container Component

- default

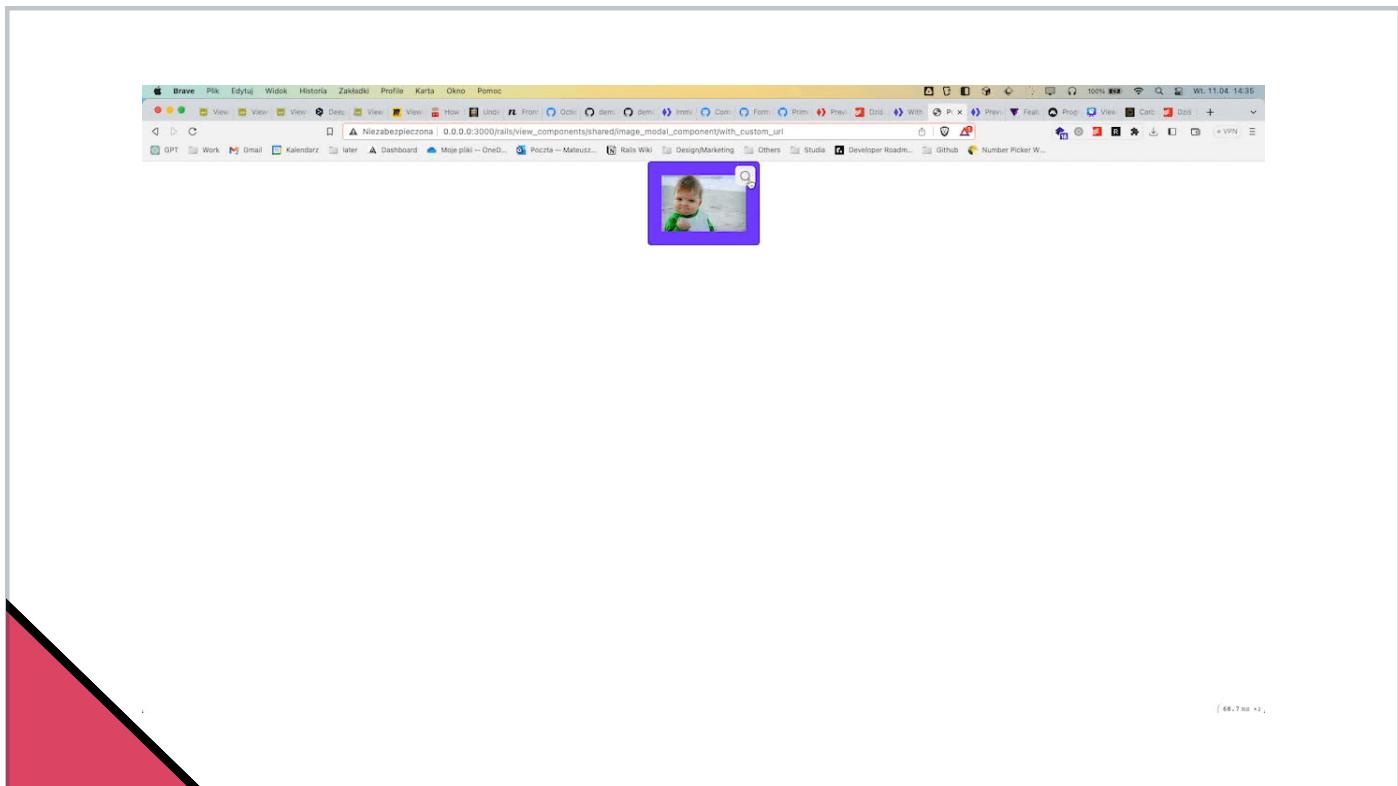
Shared/Button Component

- default

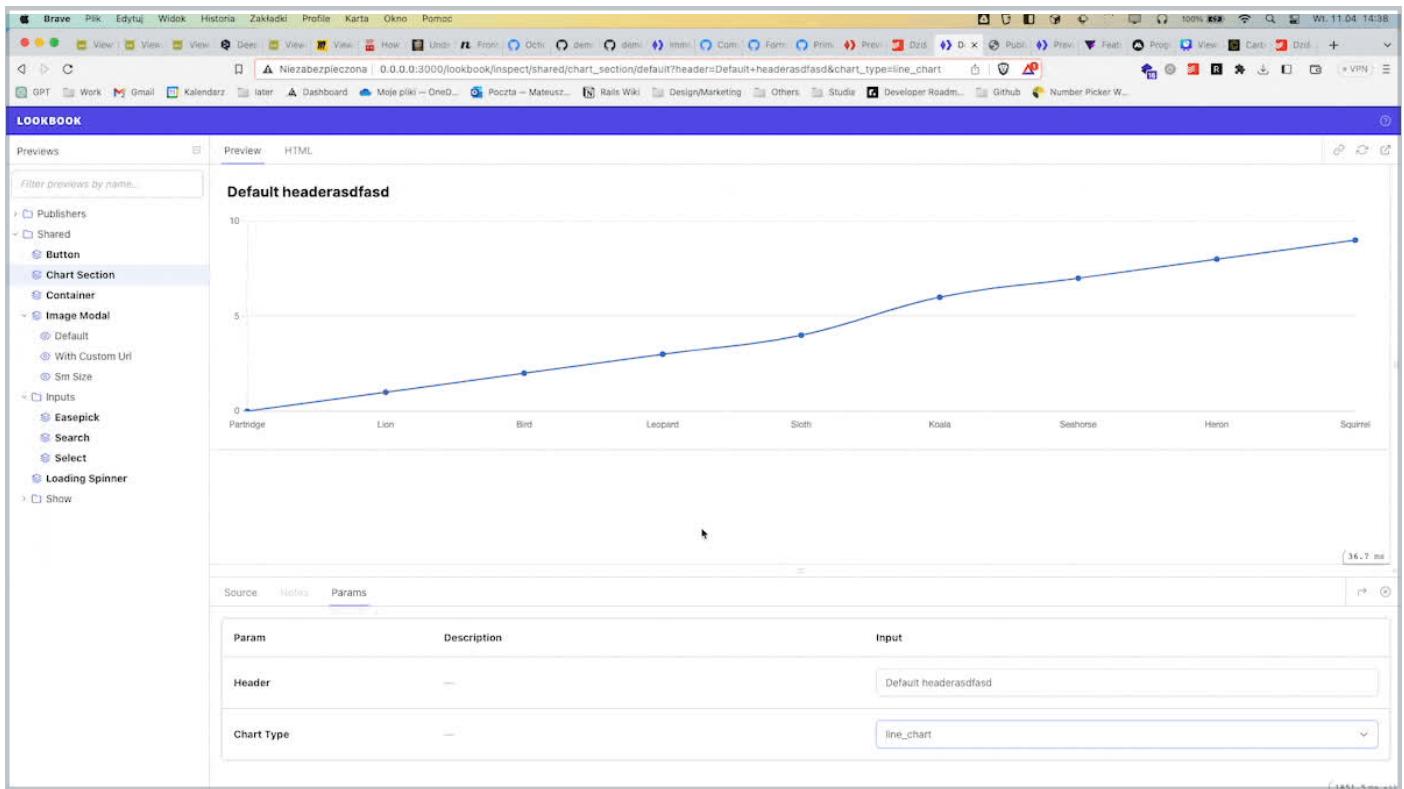


```
1 # components/previews/shared/image_modal_component_preview.rb
2
3 module Shared
4   class ImageModalComponentPreview < ViewComponent::Preview
5     layout 'component_preview'
6
7     def default
8       render(Shared::ImageModalComponent.new(image_url:
9           PublicationOffer.first.image_url))
10    end
11
12    def with_custom_url
13      render(Shared::ImageModalComponent.new(image_url:
14          'https://images.theconversation.com/files/38926/original/5cwx89t4-
15          1389586191.jpg?ixlib=rb-1.1.0&q=45&auto=format&w=926&fit=clip'))
16    end
17
18  end
19 end
20
```





```
1  # @param header [String]
2  # @param chart_type select { choices: [bar_chart, line_chart] }
3  def default(header: 'Default header', chart_type: 'line_chart')
4    chart_data = Array.new(10) do |i|
5      [FFaker::AnimalUS.common_name, i]
6    end
7    render(Shared::ChartSectionComponent.new(chart_data:, header:, chart_type:))
8  end
```



The Lookbook v2.0 beta is now available! [Check out the docs →](#)

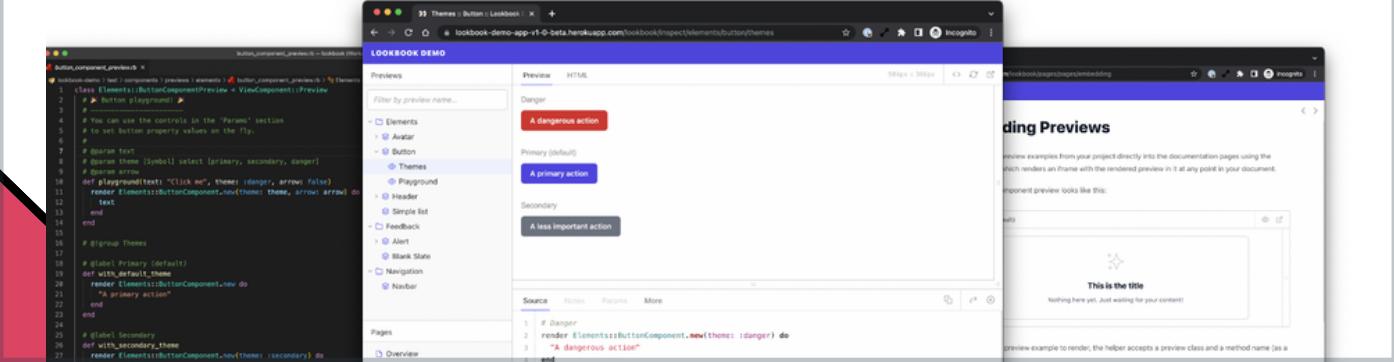
LOOKBOOK v1.5.3

Guide API Demo 

A Development UI for ViewComponent

Lookbook is a tool to help develop, test and document ViewComponents in isolation from your main application.

[View the demo](#) or [Get Started »](#)



The screenshot shows the Lookbook interface. On the left, there's a code editor window displaying a file named `button_component_preview.rb` with Ruby code for rendering a button component with various themes. The right side shows a preview pane with three tabs: "Preview", "HTML", and "Source". The "Preview" tab displays a button with the text "A dangerous action" in a red box, labeled "Danger". Below it are buttons for "Primary (default)" and "Secondary", each with a different background color. The "HTML" tab shows the raw HTML code for these buttons. The "Source" tab shows the corresponding Ruby code. A sidebar on the left lists "Elements" (Avatar, Button, Themes, Playground), "Feedback" (Header, Simple List), and "Navigation" (Alert, Blank State, Navbar).

ViewComponent::Storybook

The ViewComponent::Storybook gem provides Ruby api for writing stories describing [View Components](#) and allowing them to be previewed and tested in [Storybook](#) via its [Server support](#).

Features

- A Ruby DSL for writing Stories describing View Components
- A Rails controller backend for Storybook Server compatible with Storybook Controls Addon parameters
- Coming Soon: Rake tasks to watch View Components and Stories and trigger Storybook hot reloading

New Storybook for React Native (6.5) > Automate with Chromatic Storybook Day 2023

Storybook Why Showcase Docs Integrations Community

Search docs

Build UIs without the grunt work

Storybook is a frontend workshop for building UI components and pages in isolation. Thousands of teams use it for UI development, testing, and documentation. It's open source and free.

Get started Watch video

v7 Latest version 18.29m Installs per month 1944+ Contributors

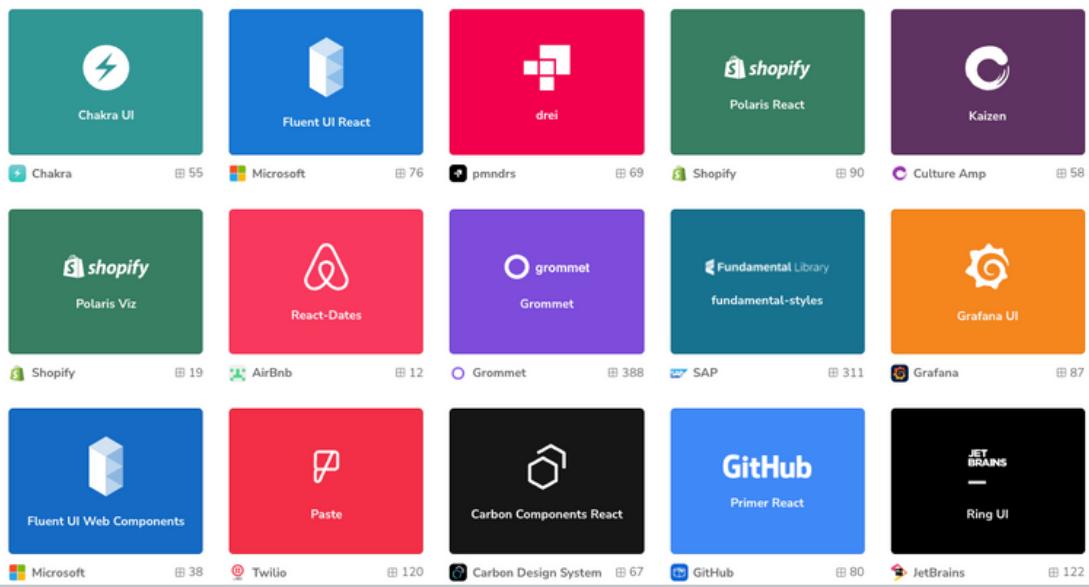
The screenshot shows the Storybook interface running on localhost:8080. On the left, there's a sidebar with navigation links like 'Introduction', 'Setup and configure', 'Changelog', and a 'LIBRARY' section containing 'Charts' (with 'PieChart' and 'SparkLine' listed), 'RangeSlider' (with 'Overview', 'Default', and 'No selection' listed). The main area displays a 'Usage frequency' chart, which is a grid of dots representing data points over time (8:00 to 20:00) and across different categories. A color bar on the right side of the interface transitions from yellow to red.

Projects that use Storybook

Storybook powers thousands of component libraries, design systems, and companies.

Filter by name

Popular ▾



https://primer.style/view-components/lookbook/inspect/primer/alpha/form_control/playground

The screenshot shows the 'PRIMER VIEWCOMPONENTS V0.1.5' interface. On the left, there's a sidebar with sections for 'Previews', 'Pages', and 'Forms'. Under 'Forms', 'FormControl' is selected. The main area displays a preview of a 'Best character' component. It shows three buttons: 'Han Solo', 'Luke Skywalker', and 'Leia Organa'. Below the buttons, an error message 'Something went wrong' is displayed with the text 'May the force be with you'. At the bottom, there's a table titled 'Params' with columns for 'Param', 'Description', and 'Input'. The table includes rows for 'Label', 'Caption', 'Validation Message', 'Required', 'Visually Hide Label', and 'Full Width'. Each row has a description and an input field.

Param	Description	Input
Label	—	Best character
Caption	—	May the force be with you
Validation Message	—	Something went wrong
Required	—	<input checked="" type="checkbox"/>
Visually Hide Label	—	<input checked="" type="checkbox"/>
Full Width	—	<input checked="" type="checkbox"/>

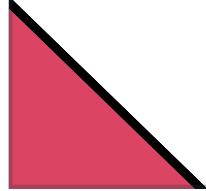
Dobre praktyki

1. Nie robić query w komponencie
2. Przekazywać tylko potrzebne dane(general-purpose, app-specific)
3. Zasada single responsibility
- 4.

Think in components

Block mentality

React teaches us to [think in components](#). Other modern frontend frameworks follow the lead. Modularity is the philosophy behind common CSS methodologies such as [BEM](#). The idea is simple: every logical part of your UI should be self-contained.



```
employees = Employee.first(10)
Benchmark.ips do |x|
  x.report('component') { controller_view.render(Employees::CardIdComponent.new(employee: employees[0])) }
  x.report('partial') { controller_view.render('partial', employee: employees[0]) }
  x.compare!
end
```



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

```
Warming up -----
    component  799.000  i/100ms
    partial    640.000  i/100ms
Calculating -----
    component      7.922k (± 2.6%) i/s -      39.950k in  5.046603s
    partial        6.492k (± 1.5%) i/s -      32.640k in  5.029046s

Comparison:
    component:    7921.9 i/s
    partial:      6491.8 i/s - 1.22x slower
```



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

```
Benchmark.ips do |x|
  x.report('each component') do
    employees.each do |employee|
      controller_view.render(Employees::CardIdComponent.new(employee:))
    end
  end
  x.report('each partial') do
    employees.each do |employee|
      controller_view.render('partial', employee:)
    end
  end
  x.report('collection component') do
    controller_view.render(Employees::CardIdComponent.with_collection(employees))
  end
  x.report('collection partial') do
    controller_view.render(partial: 'partial', collection: employees, as: :employee)
  end
  x.compare!
end
```

Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

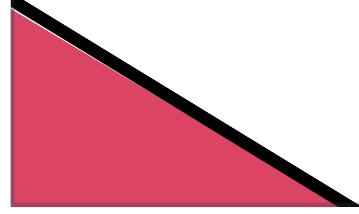
```
Warming up -----
  each component    82.000  i/100ms
    each partial     65.000  i/100ms
collection component  76.000  i/100ms
  collection partial  80.000  i/100ms
Calculating -----
  each component    825.294  (± 1.3%) i/s -
    each partial     662.742  (± 1.5%) i/s -
collection component  794.919  (± 1.5%) i/s -
  collection partial  809.800  (± 1.2%) i/s -
                                         4.182k in  5.068228s
                                         3.315k in  5.003143s
                                         4.028k in  5.068385s
                                         4.080k in  5.038987s

Comparison:
  each component:      825.3 i/s
  collection partial:  809.8 i/s - same-ish: difference falls within error
collection component:  794.9 i/s - 1.04x slower
  each partial:        662.7 i/s - 1.25x slower
```



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

When I was a young boy
and I didn't understand how
something worked, I just
made stuff up in my head.



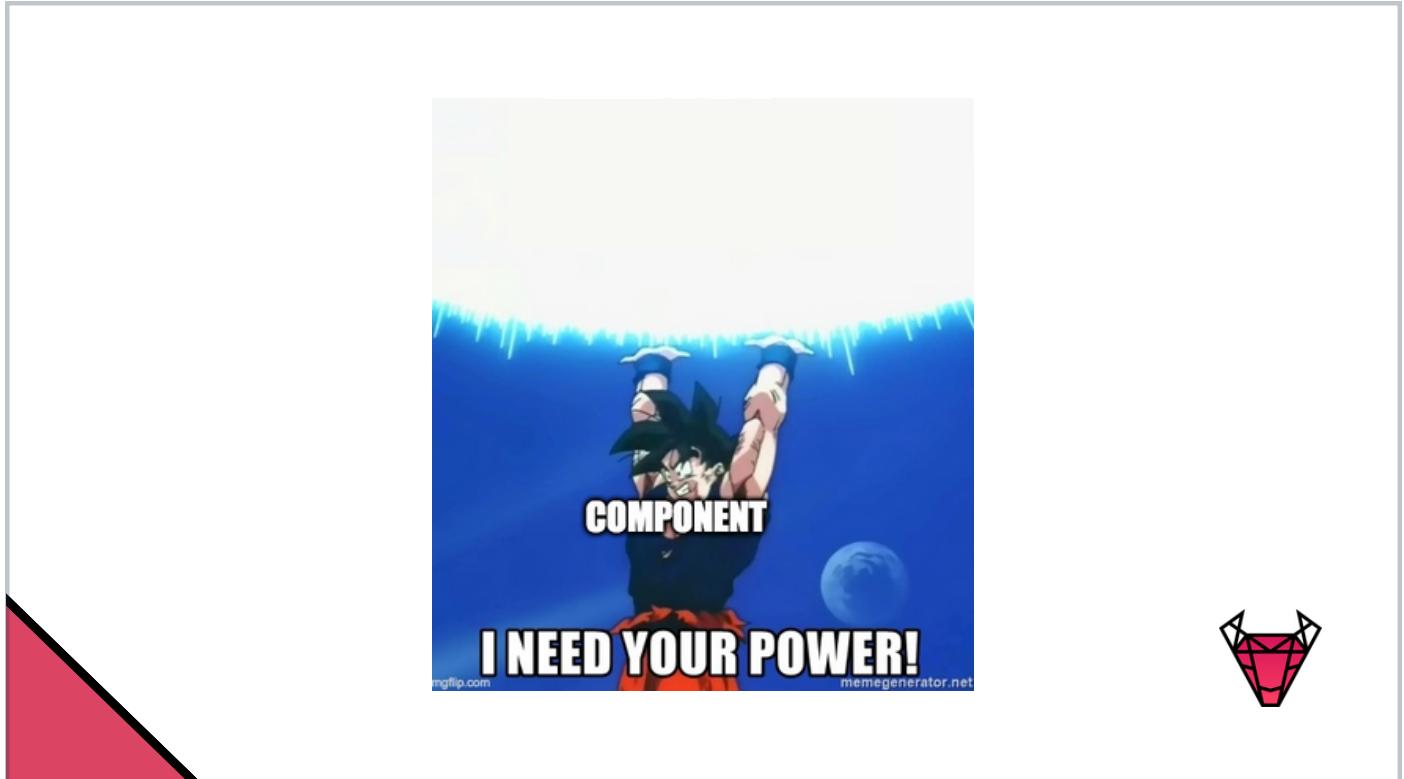
Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

1. <https://viewcomponent.org/>
2. https://www.youtube.com/watch?v=YVYRus_2KZM
3. <https://evilmartians.com/chronicles/viewcomponent-in-the-wild-building-modern-rails-frontends>
4. <https://evilmartians.com/chronicles/viewcomponent-in-the-wild-supercharging-your-components>
5. <https://noti.st/palkan/eVl0xO/frontendless-rails-frontend>
6. <https://evilmartians.comopensource/view-component-contrib>
7. https://primer.style/view-components/lookbook/inspect/primer/forms/immediate_validation_form/
8. <https://dev.to/nejremeslnici/from-partials-to-viewcomponents-writing-reusable-front-end-code-in-rails-1c9o>
9. <https://design.gitlab.com/patterns/forms>
10. https://docs.gitlab.com/ee/development/fe_guide/view_component.html
11. <https://www.monkeyuser.com/2017/qa-engineer-buying-bed/?sc=true&dir=random>
12. <https://www.youtube.com/watch?v=sIxvxp7EOxg>
13. <https://abstrusegoose.com/120>
14. <https://dev.to/abeidahmed/advanced-viewcomponent-patterns-in-rails-2b4m>
15. <https://mixandgo.com/learn/ruby-on-rails/view-component>
16. <https://www.codewithjason.com/different-kinds-rails-tests-use/>



Monada to abstrakcyjny pojemnik na wartości, który udostępnia specjalne metody do przetwarzania tej wartości.

Posumowanie

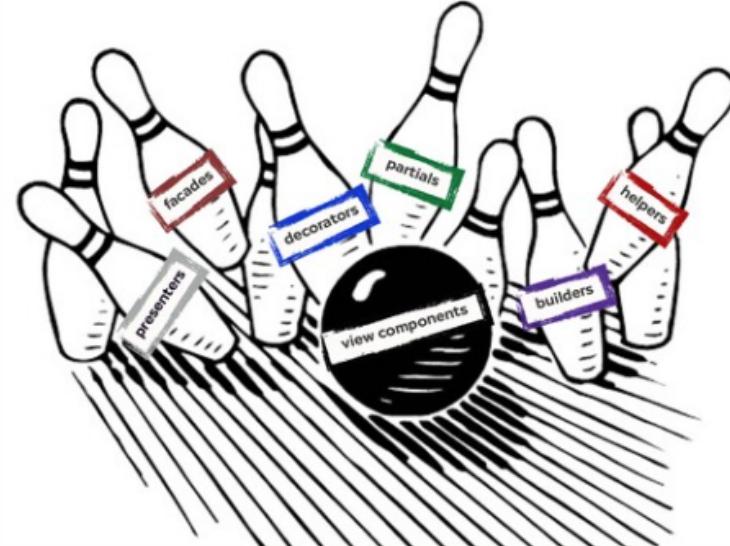


Nie ważne, czy tworzymy aplikację SPA, czy monolith. Warto stosować komponenty.

Oba podejścia potrzebują ustrukturyzowanych widoków.

Przy najnowszym stacku technologicznym hotwire view komponenty stają się jeszcze przydatniejsze i przyjemniejsze do korzystania.

View Components



<https://noti.st/palkan/eVl0xO/frontendless-rails-frontend>

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Oba podejścia potrzebują ustrukturyzowanych widoków.

Przy najnowszym stacku technologicznym hotwire view componenty stają się jeszcze przydatniejsze i przyjemniejsze do korzystania.

ViewComponent - Czy to przyszłość tworzenia
widoków w Ruby on Rails?

Thank you!

Pytania?