

# Modularisierte UIs für Microservices abseits von SPAs

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# Webanwendungen

# Webanwendungen

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Browser



Backend



# Schichten & Verteilung?

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Browser

UI



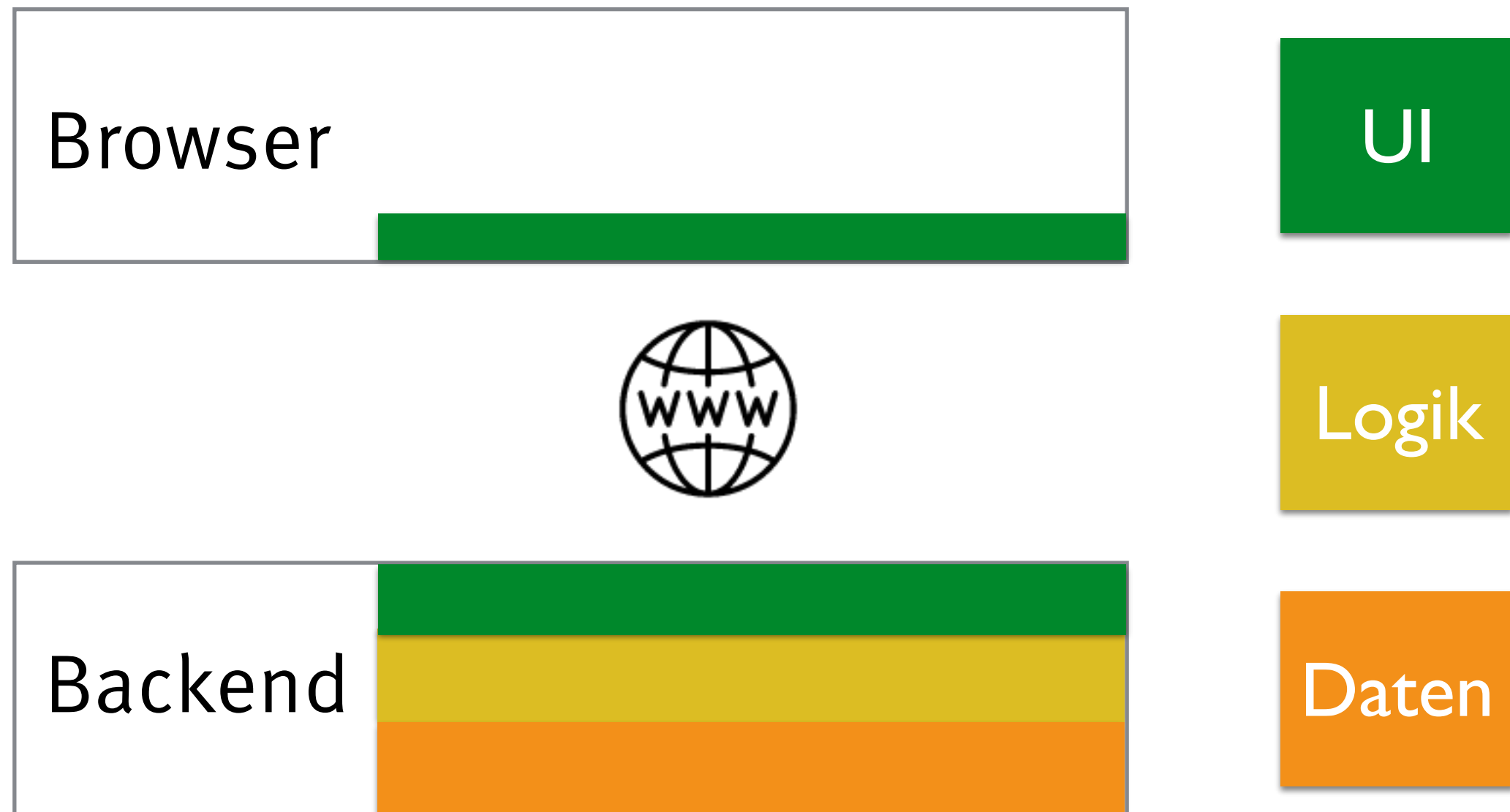
Logik

Backend

Daten

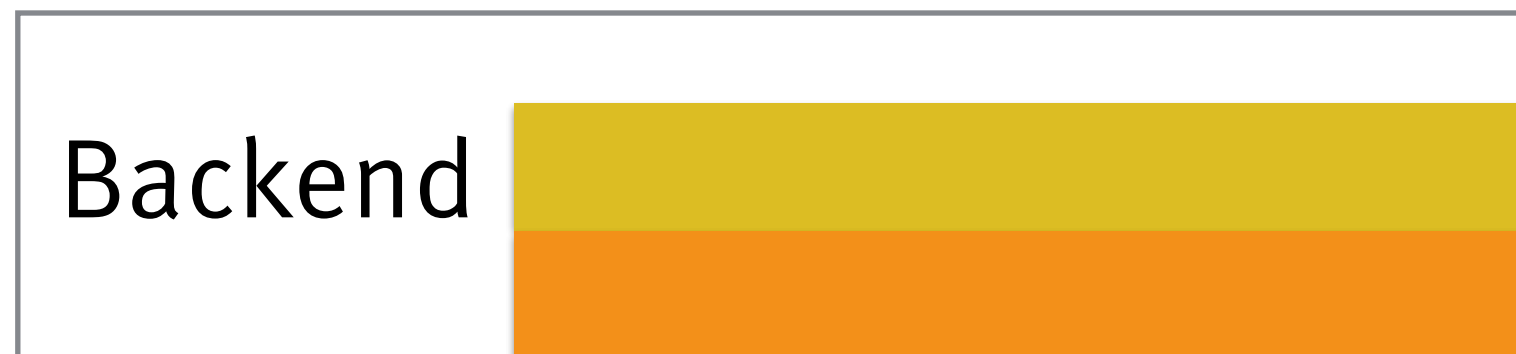
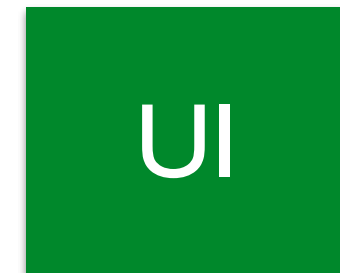
# “Klassische” Webanwendungen

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# Single Page Anwendungen

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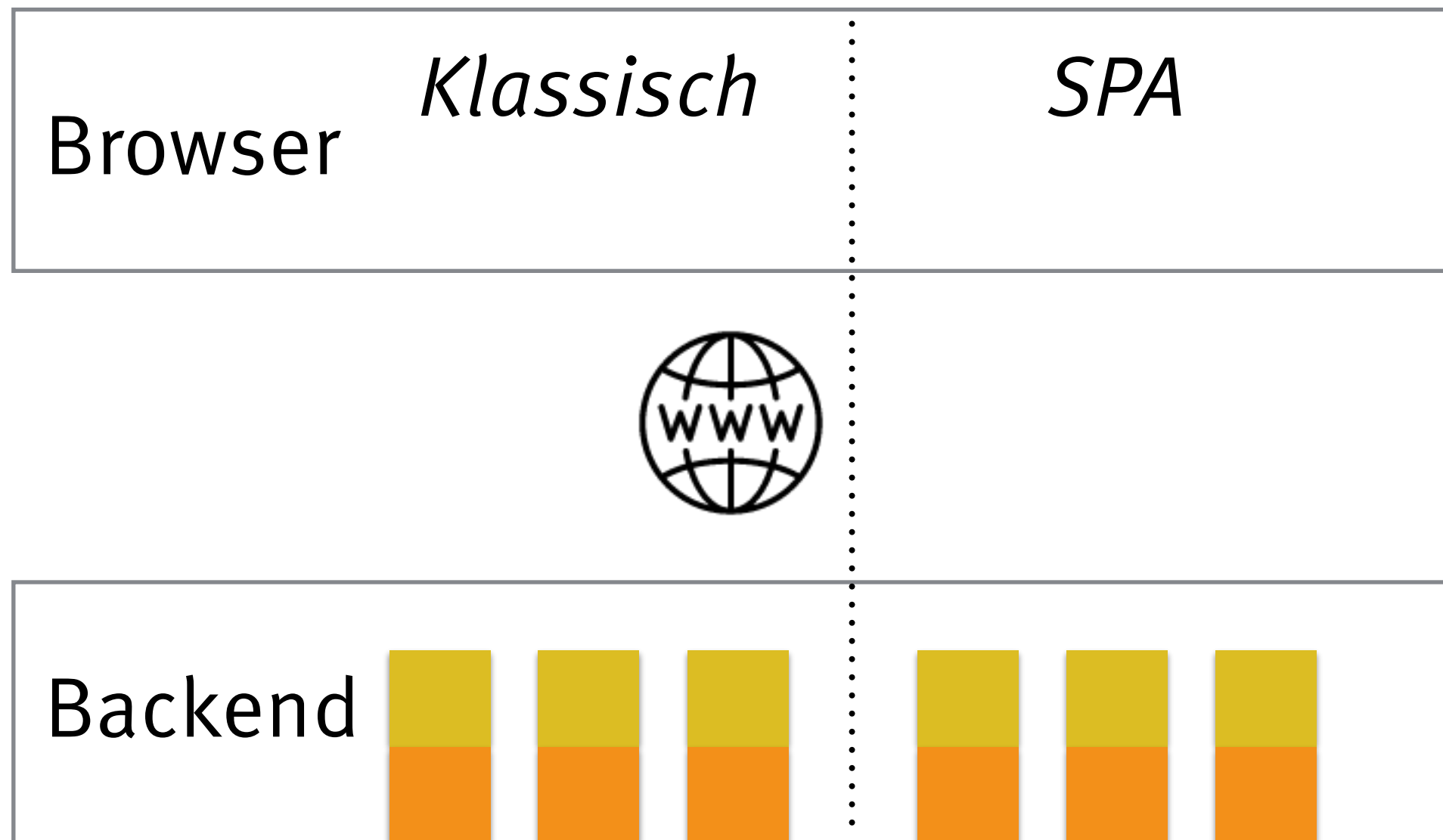


# UI Integration



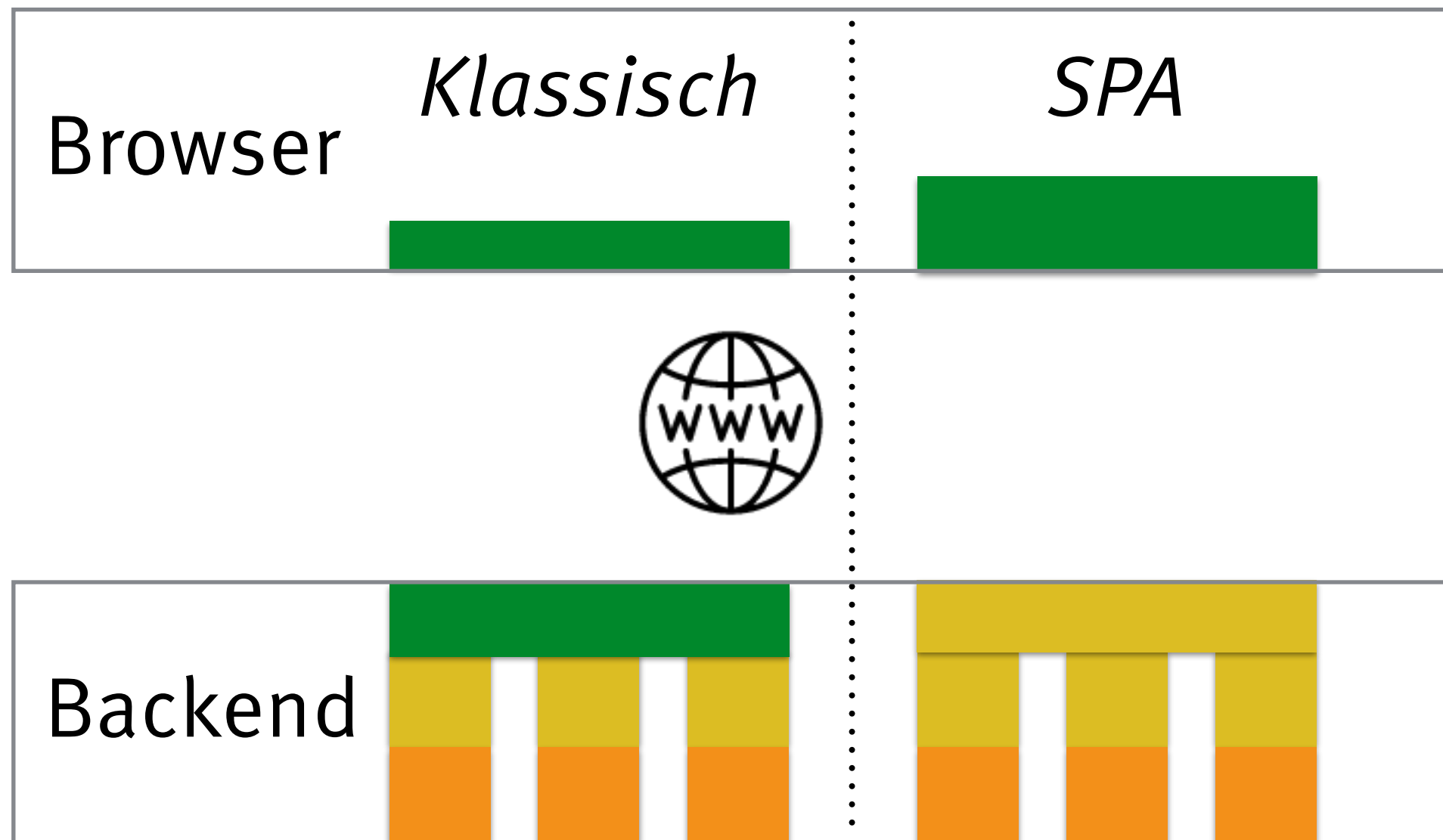
# UI Integration

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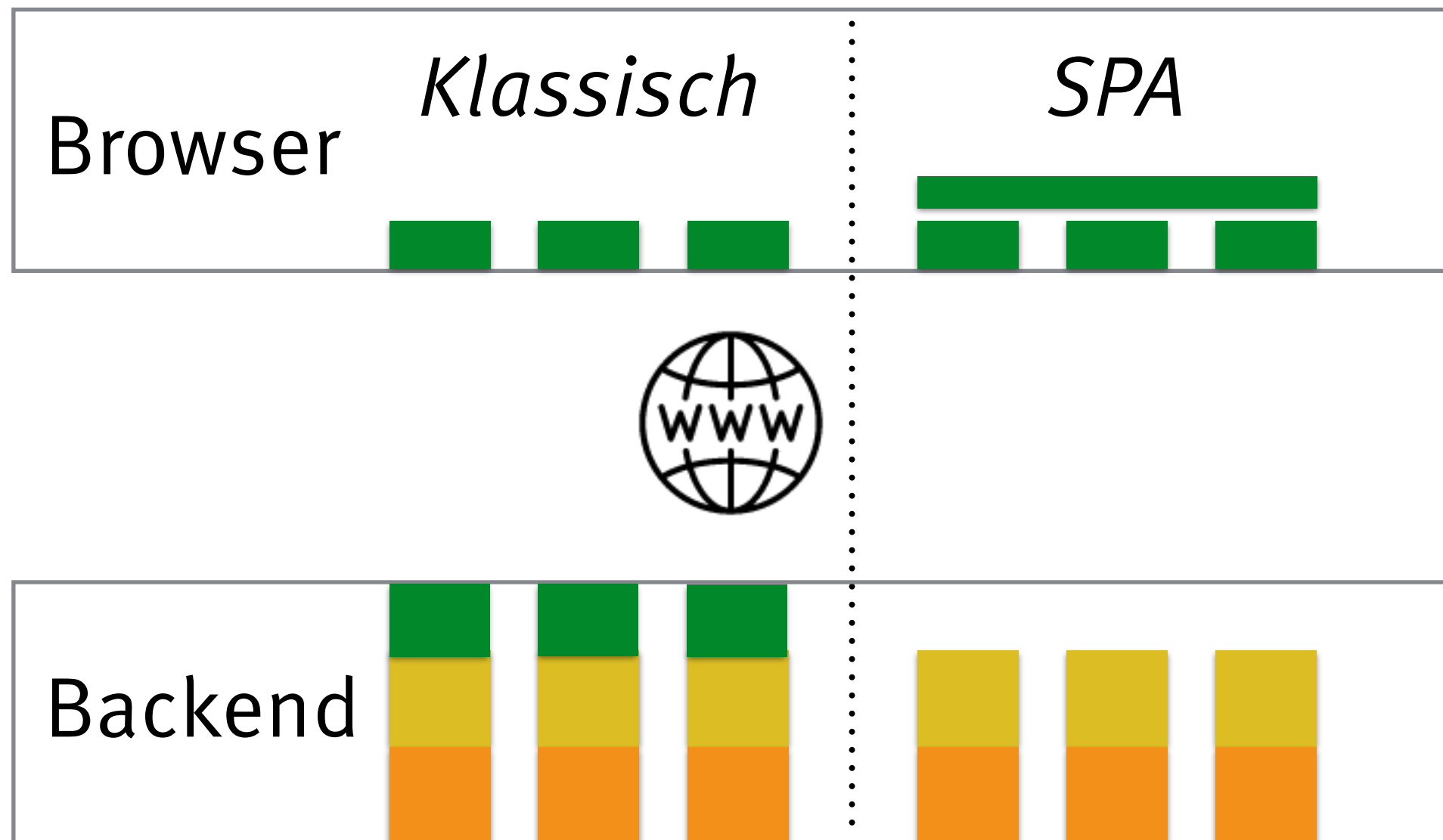


# Monolith

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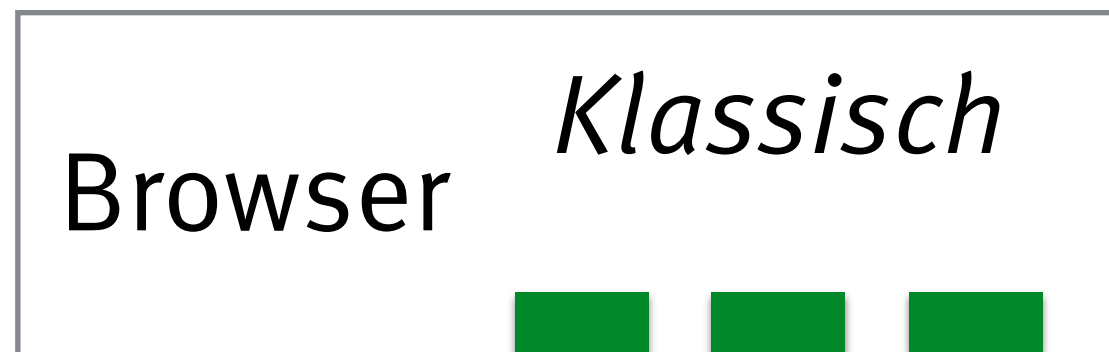


# Modularisiert



# Modularisiert

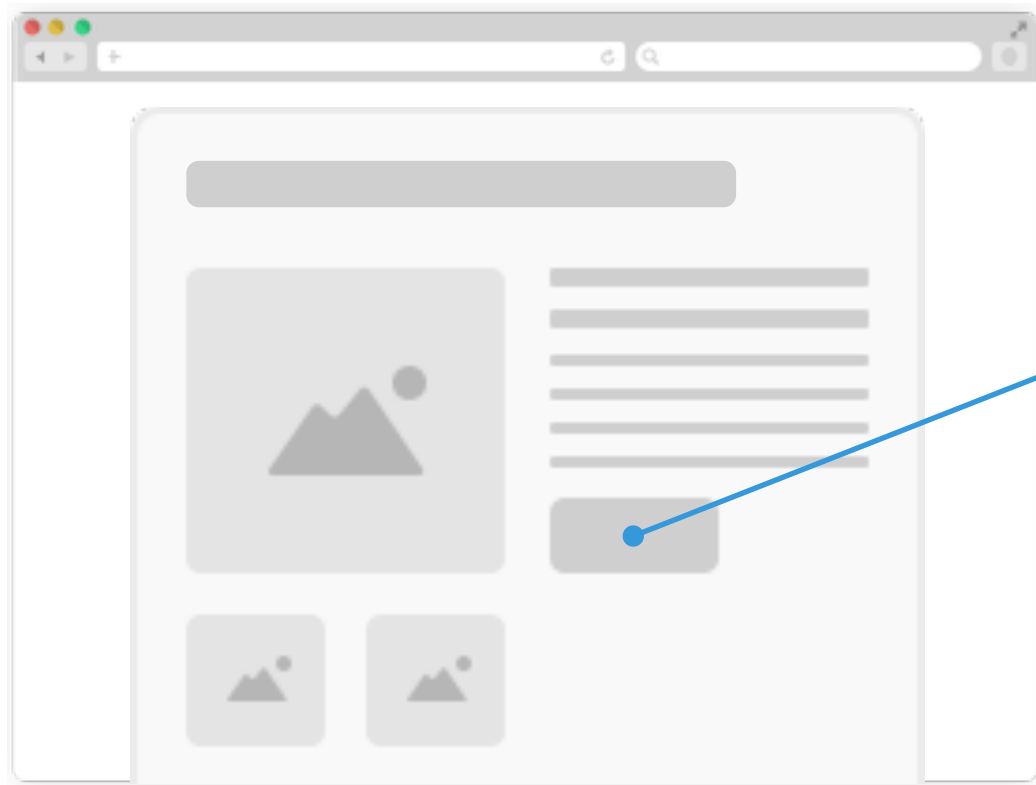
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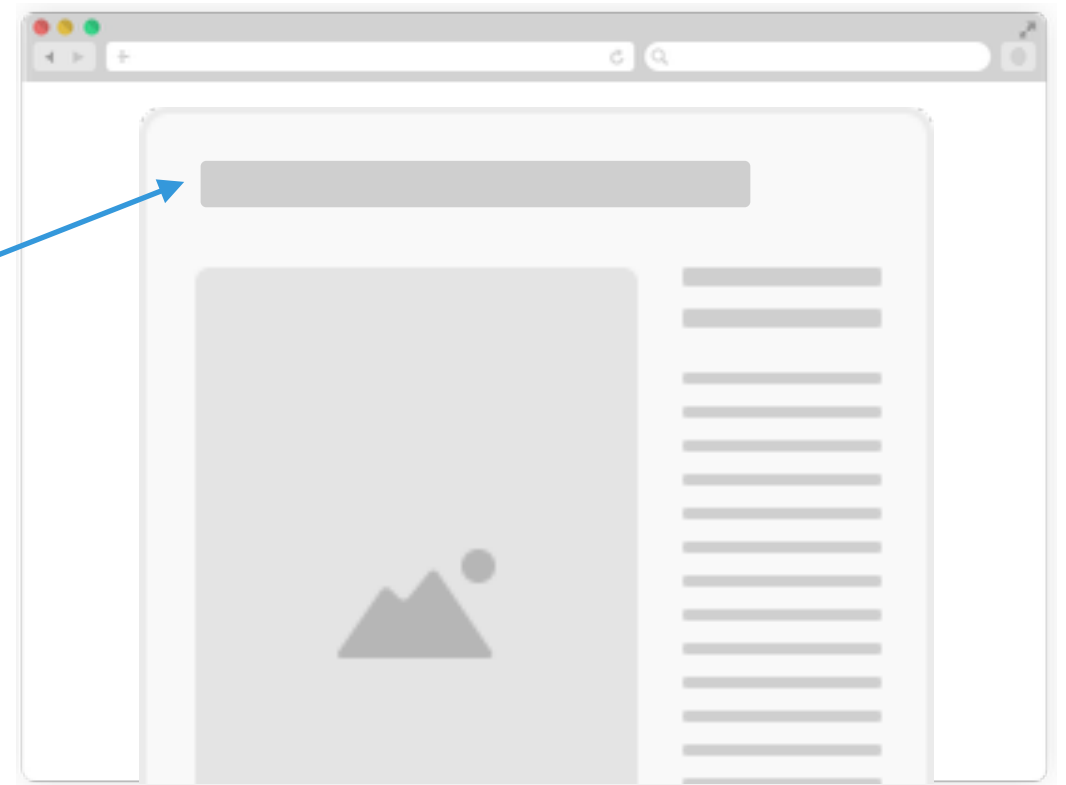
# Techniken

# Hyperlinks

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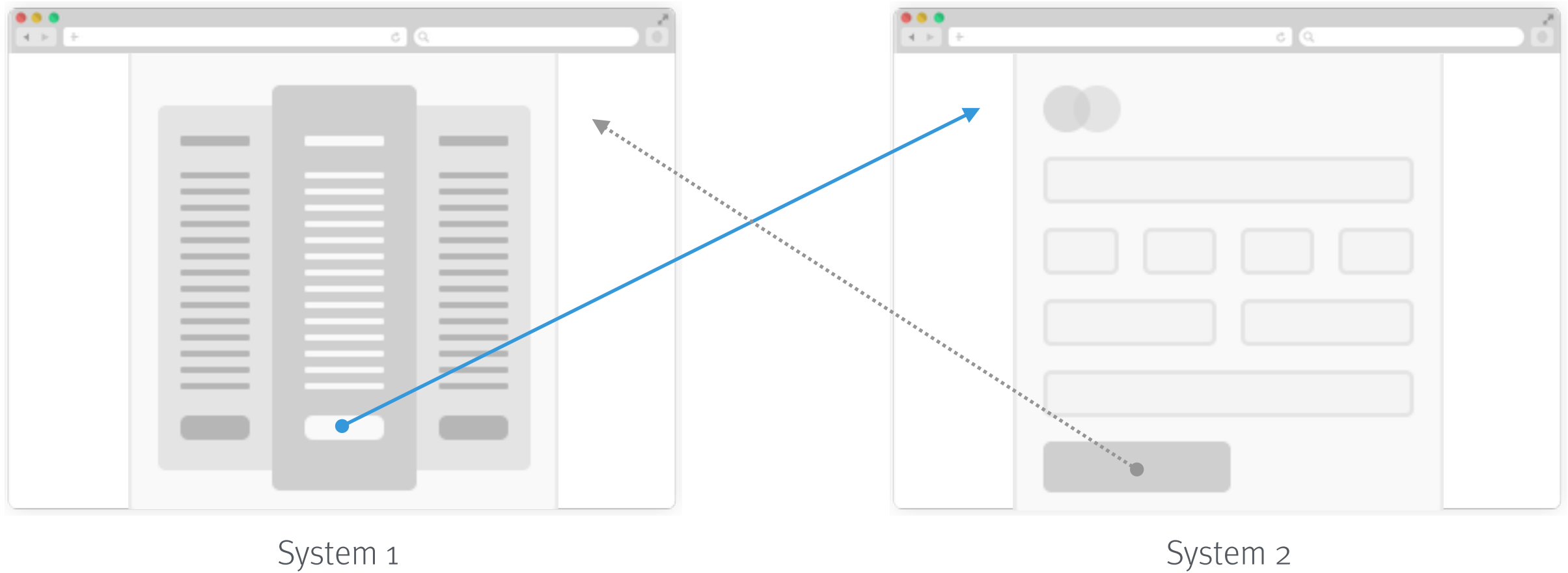
System 1



System 2

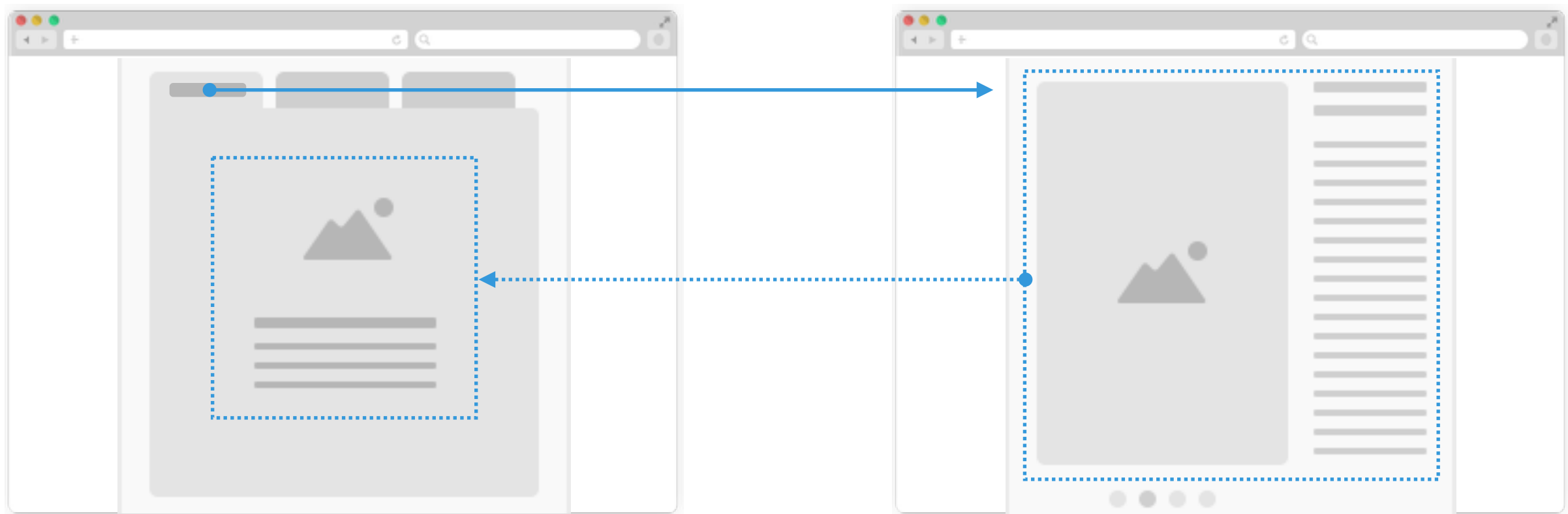
# Redirects

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# Transklusion

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# Transklusion

# Serverseitige Transklusion

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- › Edge Side Includes (ESI)
- › Server Side Includes (SSI)
- › Zalando Tailor
- › ...

# Edge Side Includes

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```
<esi:include src="/shopping-cart"/>
```

*<https://github.com/ewolff/SCS-ESI>*

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# Clientseitige Transklusion

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- › iframe
- › h-include
- › “selbst implementiert”

# “selbst implementiert”

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## HTML

```
<a href="/shopping-cart"  
  data-transclude>  
  Shopping cart  
</a>
```

## JavaScript

```
$( "a[data-transclude]" ).each( function( i, link ) {  
  $( "<div />" ).load( link.href, function( data, status, xhr ) {  
    $( link ).replaceWith( this );  
  } );  
} );
```

<https://github.com/ewolff/SCS-jQuery>

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# Beispiel

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<https://crimson-portal.herokuapp.com/>

# Fazit

# Fazit

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- › Links & Redirects
- › Transklusion
  - › Serverseitig für Hauptinhalte
  - › Clientseitig für Optionales



# Danke!

## Fragen?

## Kommentare?

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<https://www.innoq.com/de/talks/2017/09/bedcon-2017-modulare-microservice-uis/>