



Augmented Reality and WooCommerce

Developing an e-commerce app



@schmitzoide



Marcel Schmitz

web & mobile developer

photography & music production



WOO COMMERCE

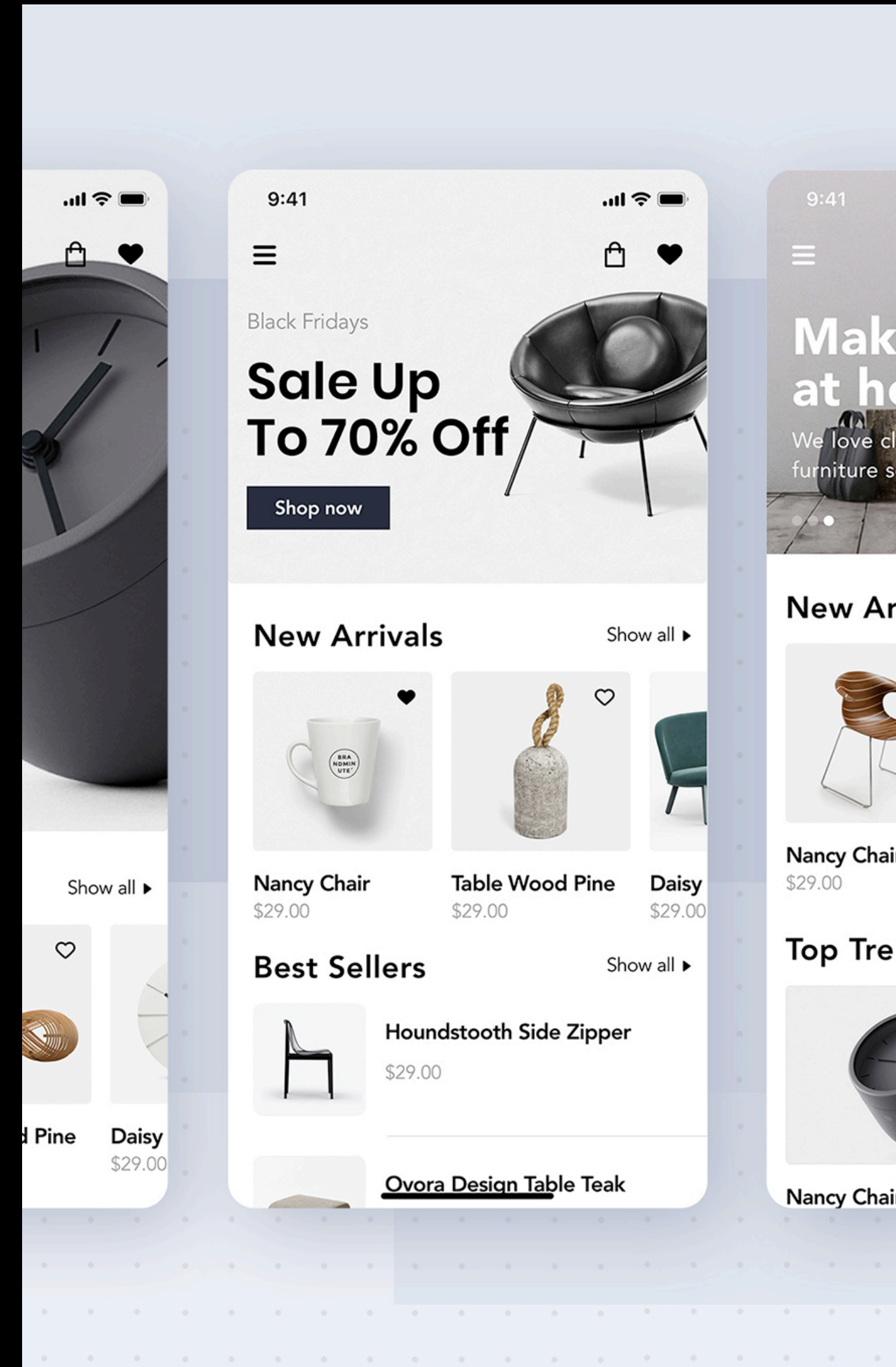
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Lets talk about
CHALLENGES
WEB FAILED
LET'S GO MOBILE
BUT HOW?
AR GREATNESS



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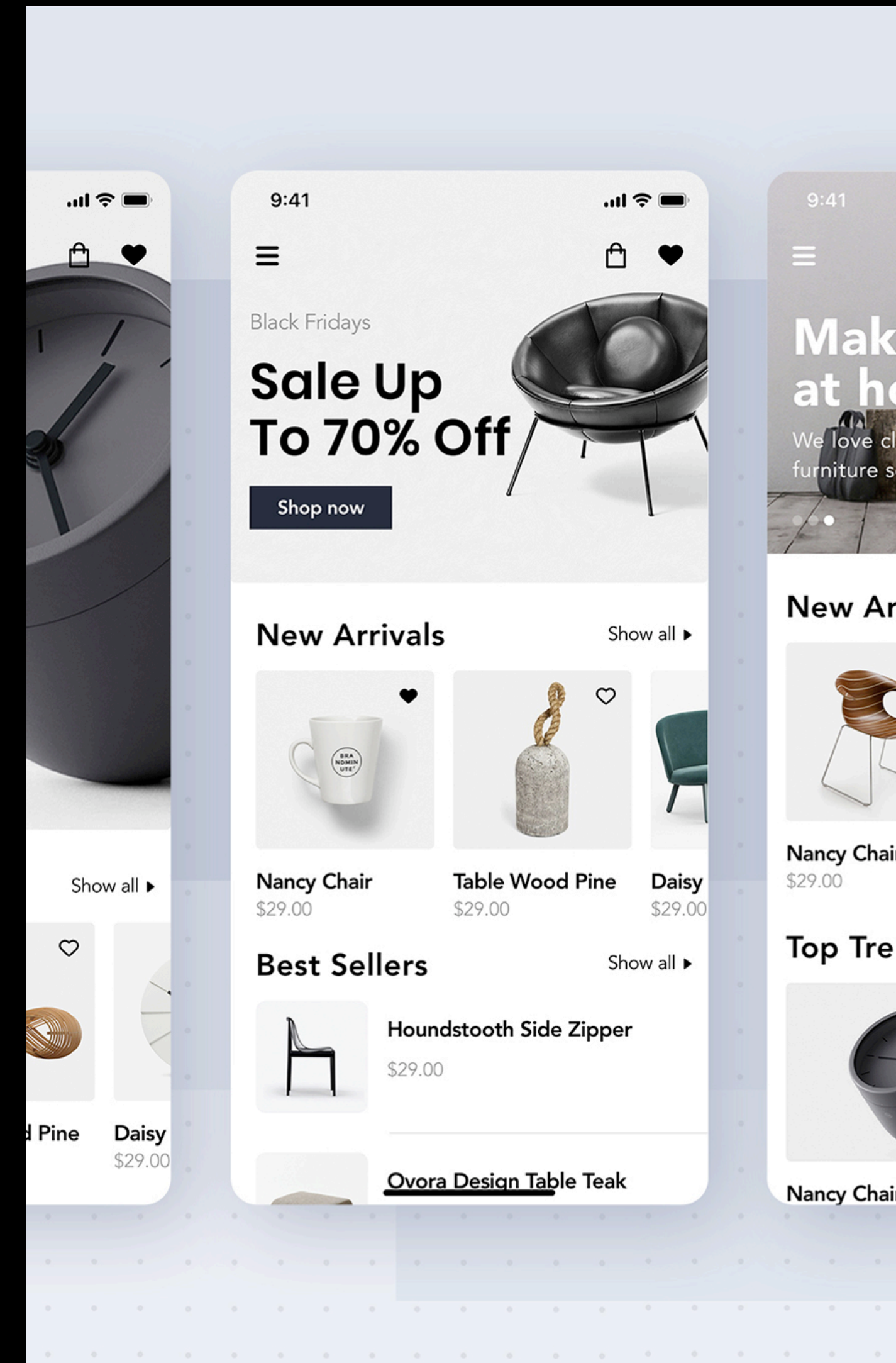
Challenges

ONLINE STORE

USING WOOCOMMERCE

WITH AUGMENTED REALITY

CAPABILITIES



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Challenges

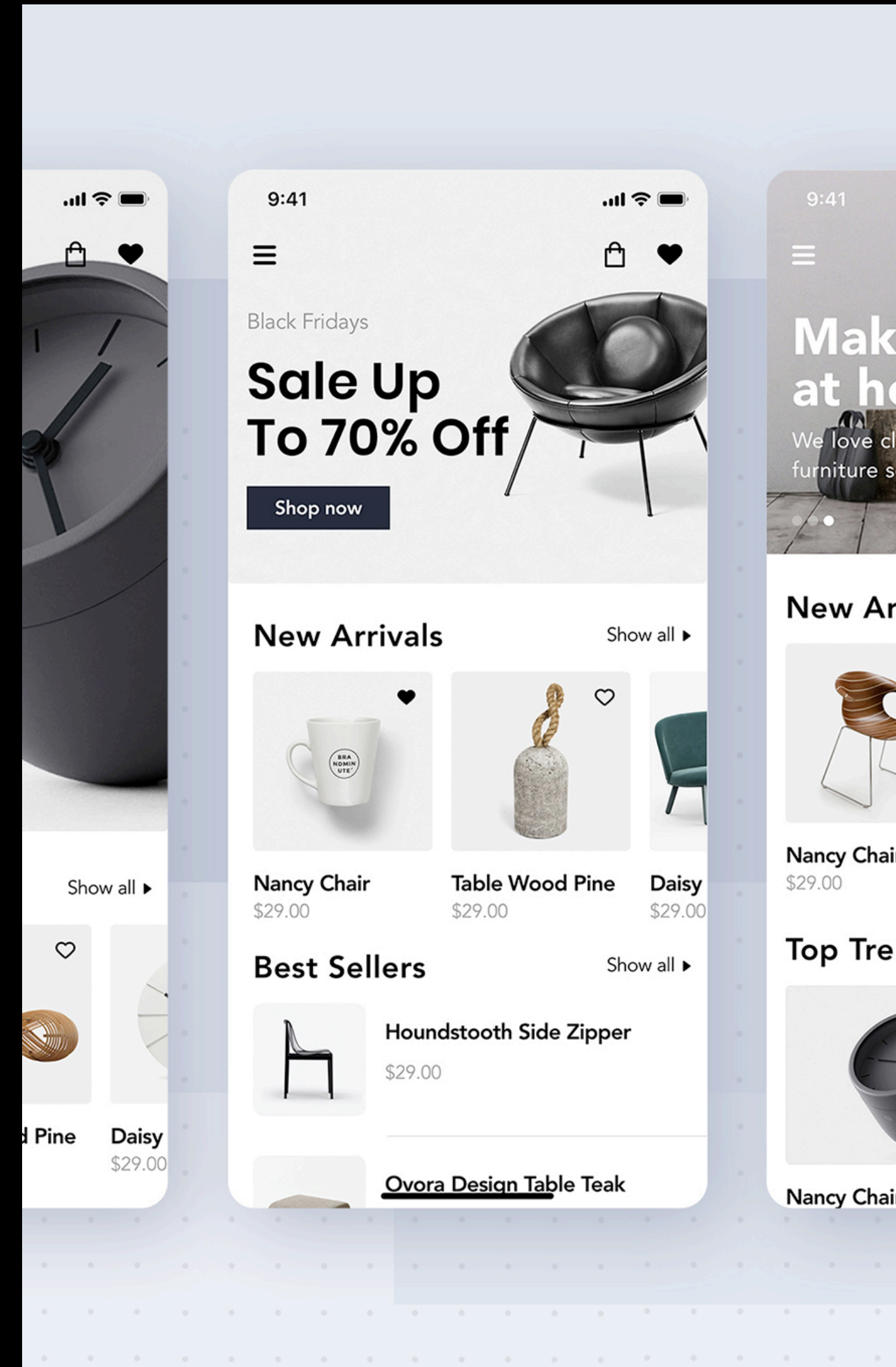
3RD PARTY SDK'S FOR

AUGMENTED REALITY

RESPONSIVE FOR BROWSER

NOT EQUAL RESPONSIVE FOR

MOBILE



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Web failed

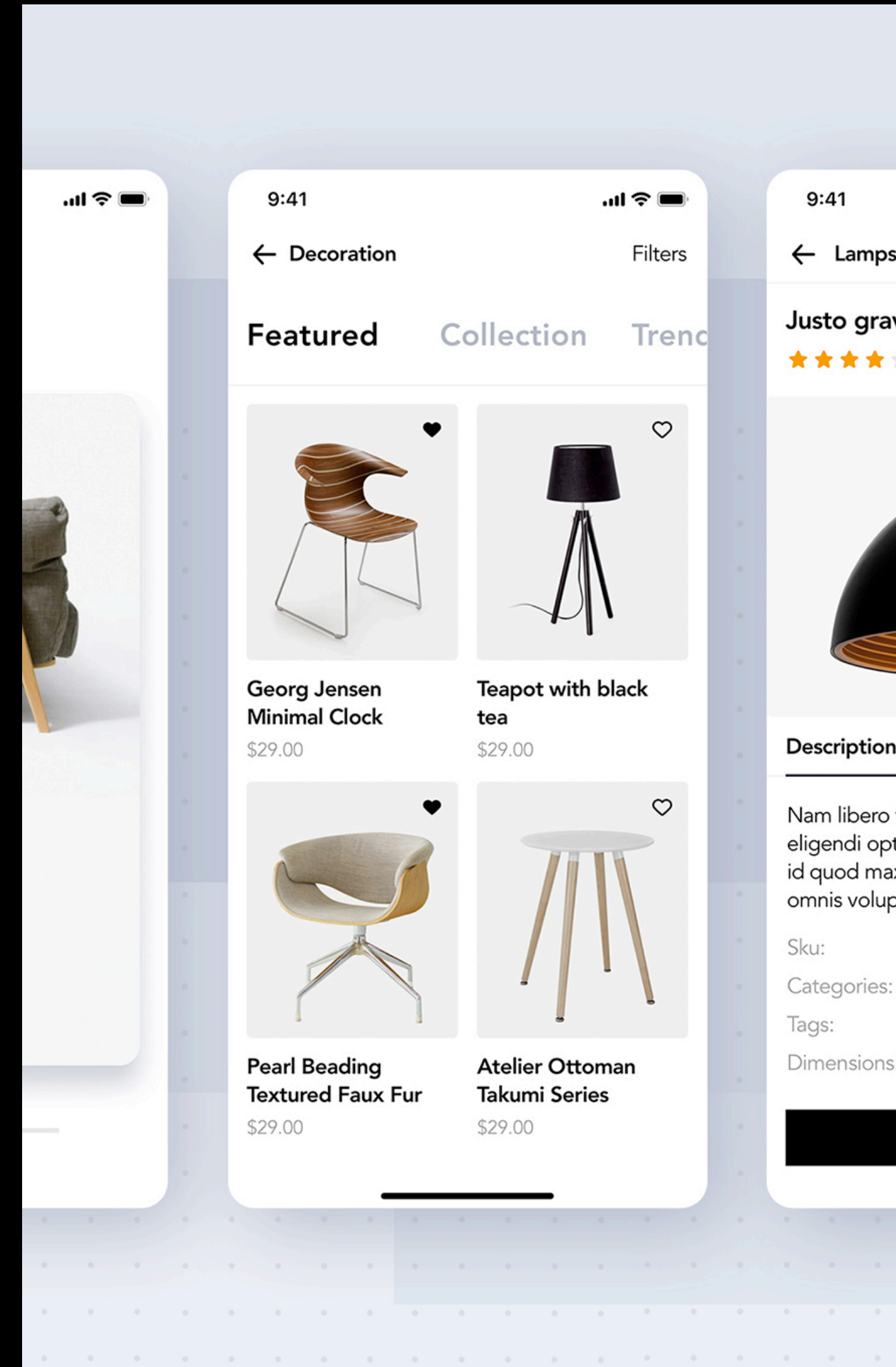
SLOW RENDERING

HTML IS LIMITED

JAVASCRIPT CAN BE “HEAVY”

WEBGL IS INCONSISTENT

3RD PARTY SDKS FAILED



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Let's go mobile!

FAST RENDERING

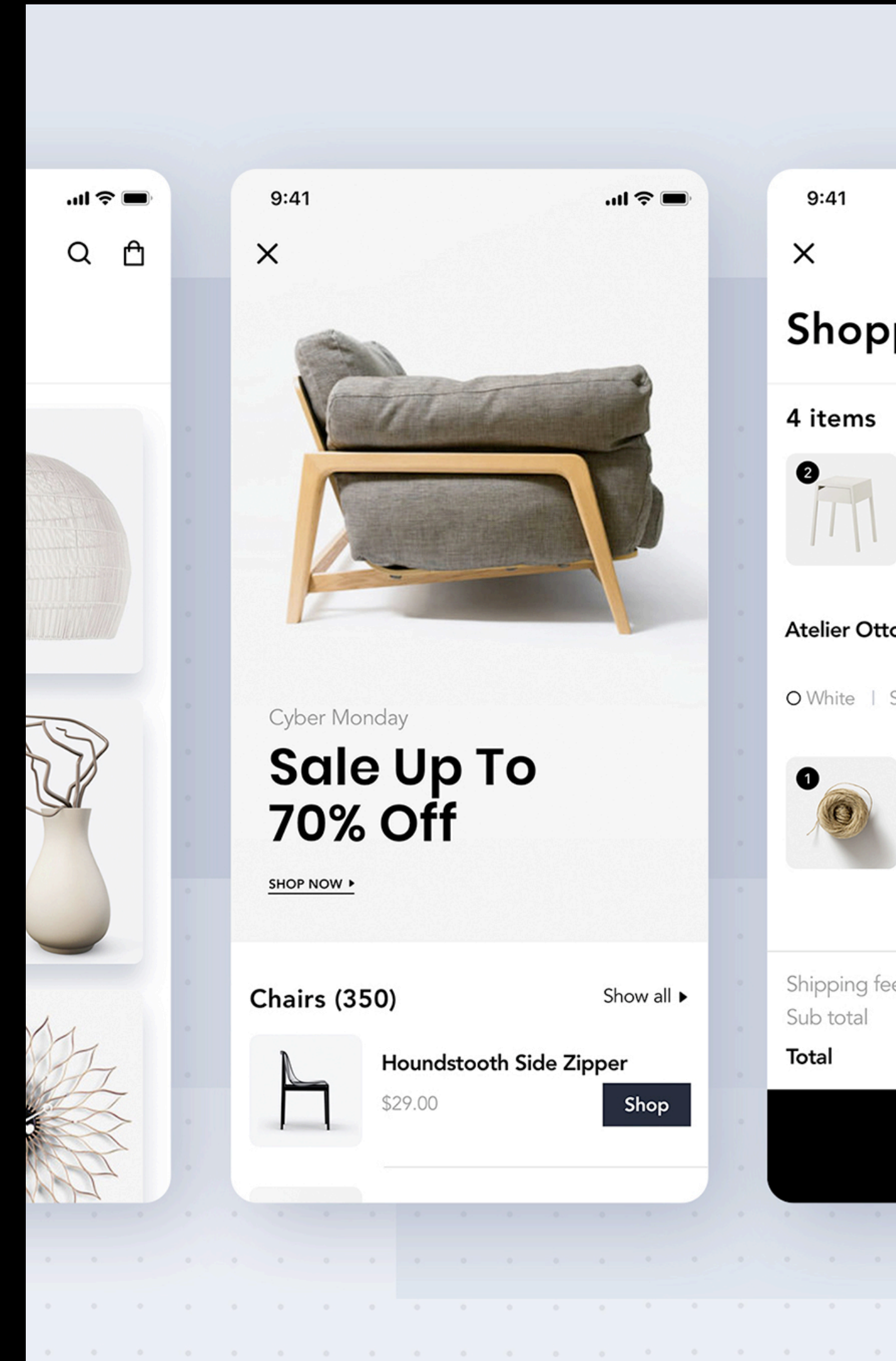
TOTAL CONTROL OVER DESIGN

NATIVE AR SUPPORT

APPLE AND GOOGLE WORK FOR US

OFFLINE SUPPORT

PUSH NOTIFICATIONS



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But how?

REST API



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But how?

/PRODUCTS

/ORDERS

/CUSTOMERS

/SHIPPING

/TAXES

/PAYMENT_GATEWAYS

/SETTINGS

▶ /wc/v3/coupons	4 items
▶ /wc/v3/coupons/(?P<id>[\d]+)	3 items
▶ /wc/v3/coupons/batch	4 items
▶ /wc/v3/customers/(?P<customer_id>[\d]+)	3 items
▶ /wc/v3/customers	4 items
▶ /wc/v3/customers/(?P<id>[\d]+)	3 items
▶ /wc/v3/customers/batch	4 items
▶ /wc/v3/orders/(?P<order_id>[\d]+)/...	3 items
▶ /wc/v3/orders/(?P<order_id>[\d]+)/...	3 items
▶ /wc/v3/orders/(?P<order_id>[\d]+)/...	3 items
▶ /wc/v3/orders/(?P<order_id>[\d]+)/...	3 items
▶ /wc/v3/orders	4 items
▶ /wc/v3/orders/(?P<id>[\d]+)	3 items
▶ /wc/v3/orders/batch	4 items
▶ /wc/v3/products/attributes/(?P<attr>[\d]+)	3 items
▶ /wc/v3/products/attributes/(?P<attr>[\d]+)	3 items
▶ /wc/v3/products/attributes/(?P<attr>[\d]+)	3 items
▶ /wc/v3/products/attributes	4 items
▶ /wc/v3/products/attributes/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/attributes/batch	4 items
▶ /wc/v3/products/categories	4 items
▶ /wc/v3/products/categories/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/categories/batch	4 items
▶ /wc/v3/products/reviews	4 items
▶ /wc/v3/products/reviews/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/reviews/batch	4 items
▶ /wc/v3/products/shipping_classes	4 items
▶ /wc/v3/products/shipping_classes/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/shipping_classes/batch	4 items
▶ /wc/v3/products/tags	4 items
▶ /wc/v3/products/tags/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/tags/batch	4 items
▶ /wc/v3/products	4 items
▶ /wc/v3/products/(?P<id>[\d]+)	3 items
▶ /wc/v3/products/batch	4 items
▶ /wc/v3/products/(?P<product_id>[\d]+)	3 items



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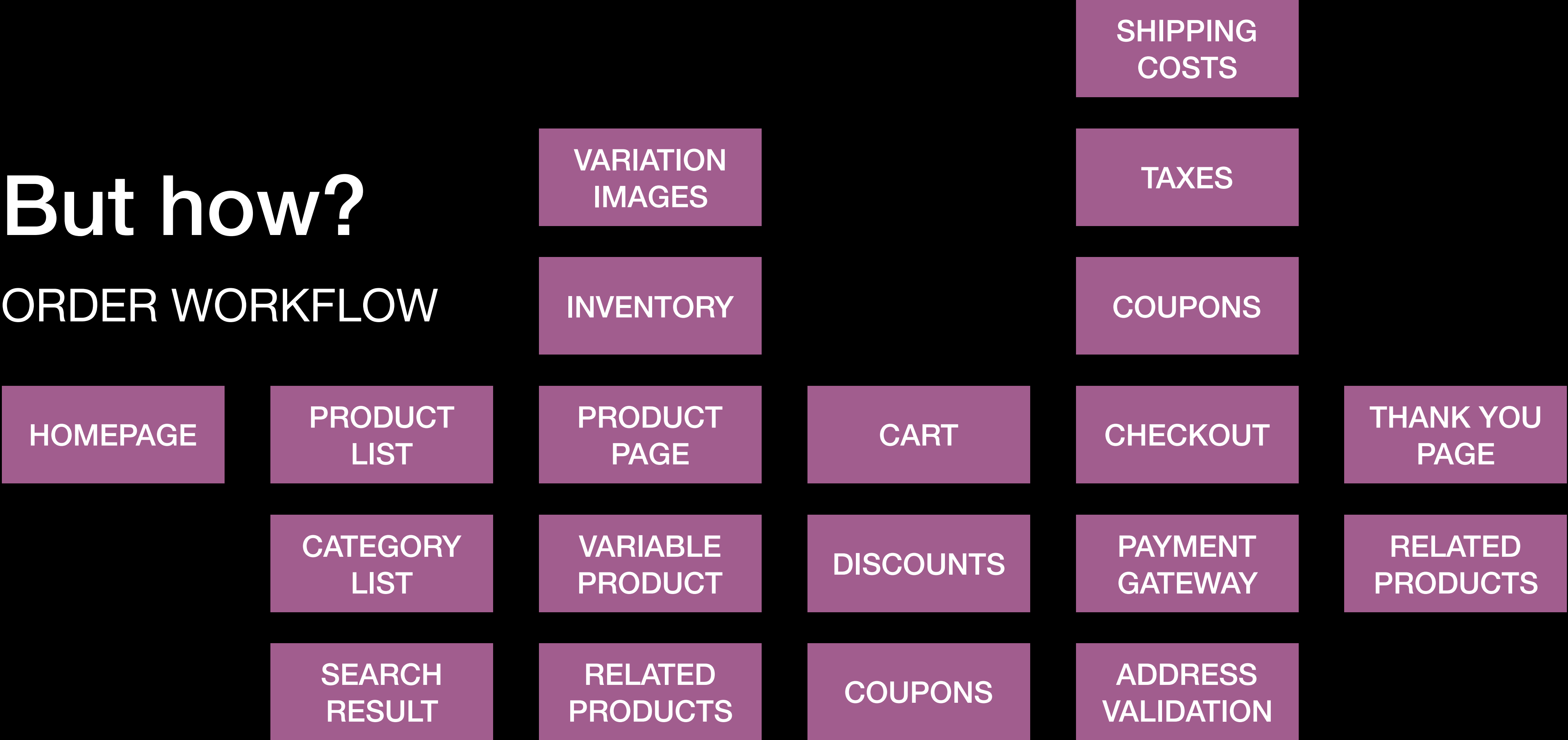
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But how?

ORDER WORKFLOW



But how?

USER ACCOUNT

		CHANGE					
		REORDER					
REGISTER / LOGIN	MY ACCOUNT	ORDERS	ADDRESSES	ACCOUNT DETAILS			
		EDIT	ADD/EDIT	CHANGE PASSWORD			
		CANCEL					



But how?

DATA TYPES

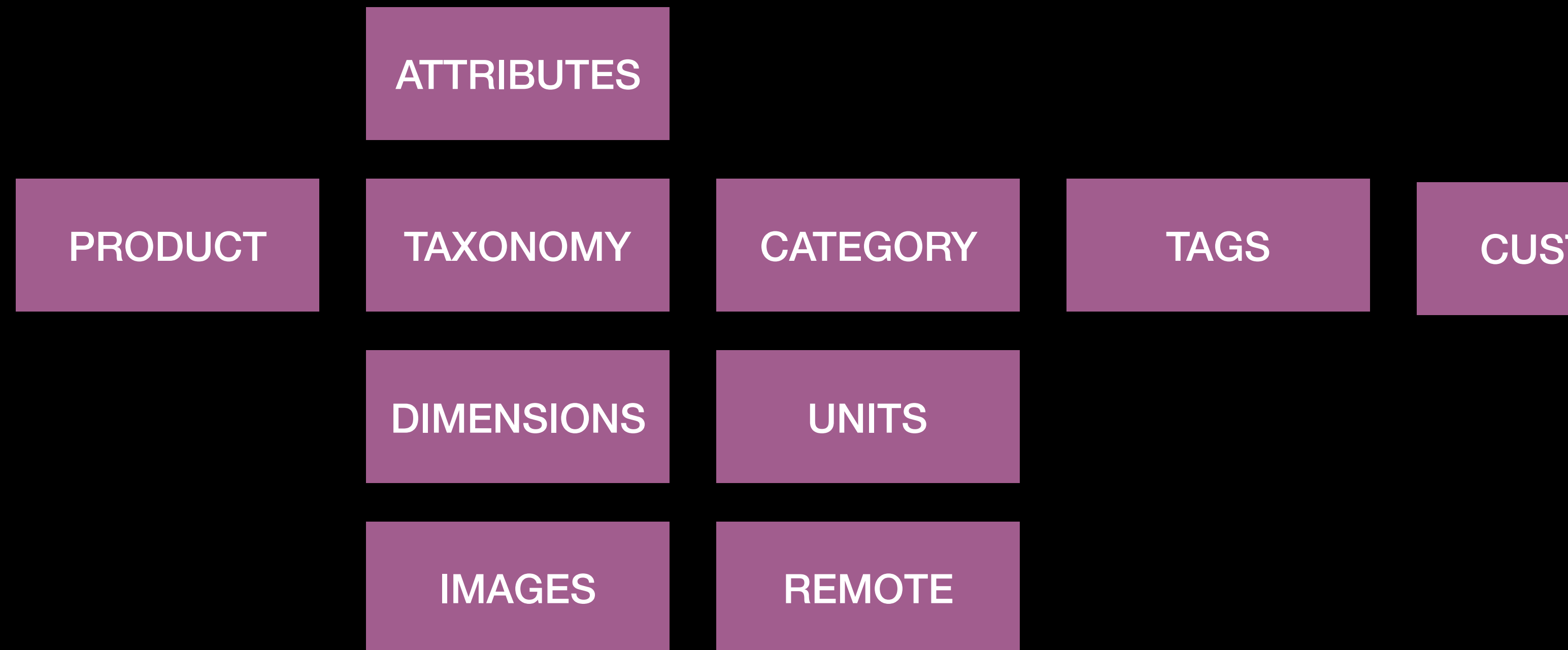
INTEGER, NUMBER, STRING, BOOL, NULL

```
public class Product: Codable, Identifiable {  
    public let id: Int  
    public let name: String  
    public let date_created_gmt: Date  
    public let featured: Bool  
    public let price: String  
    public let short_description: String  
    public let sku: String  
    public let categories: [Taxonomy]  
    public let tags: [Taxonomy]  
    public let dimensions: Dimensions  
    public let attributes: [Attributes]  
    public let images: [Image]  
}
```



But how?

RELATIONSHIPS



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AR greatness

AR IS NOT VR

IT'S NOT 2009 ANYMORE

APPLE AND GOOGLE LEAD



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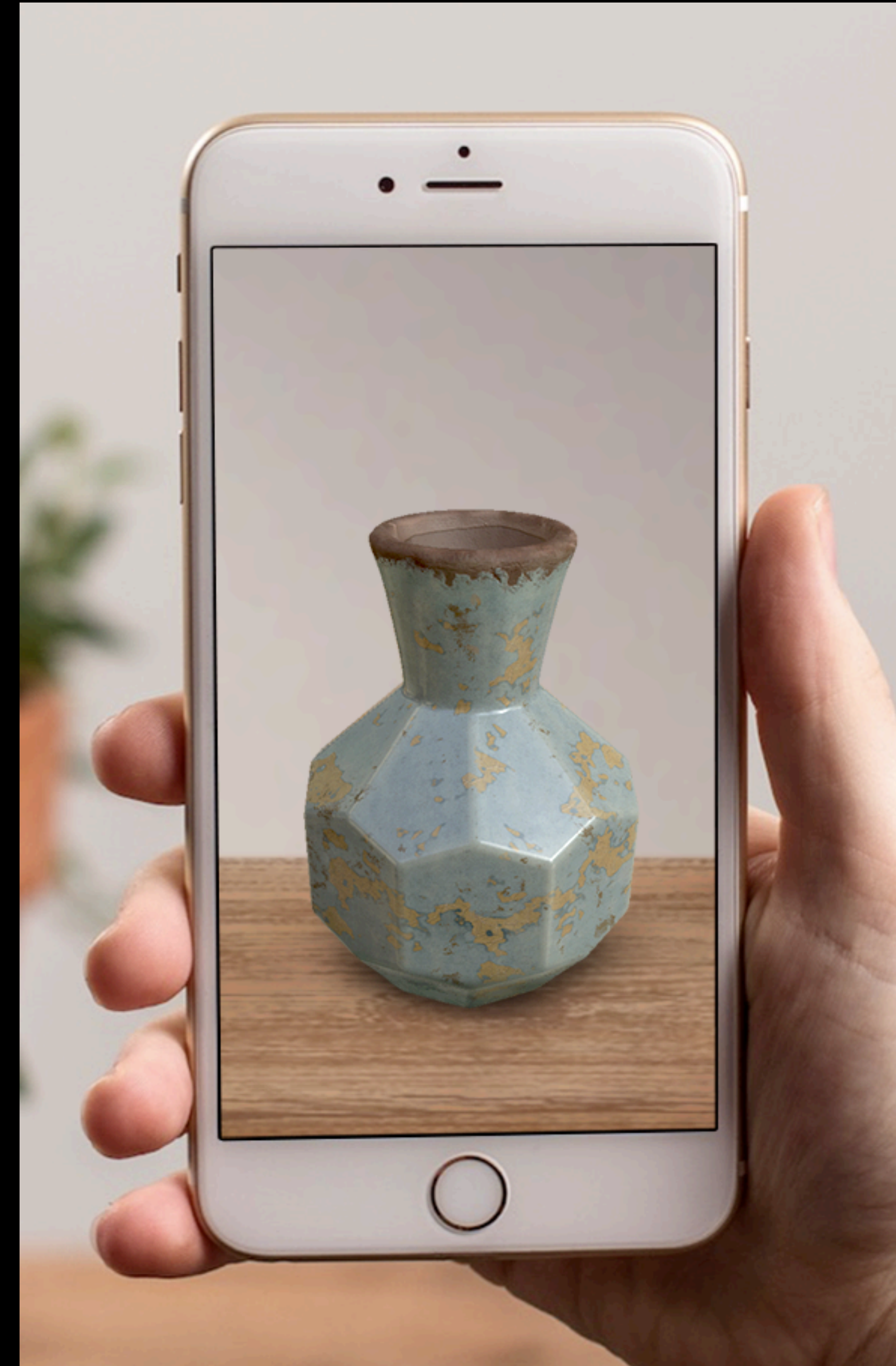
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Demo



WooCommerce

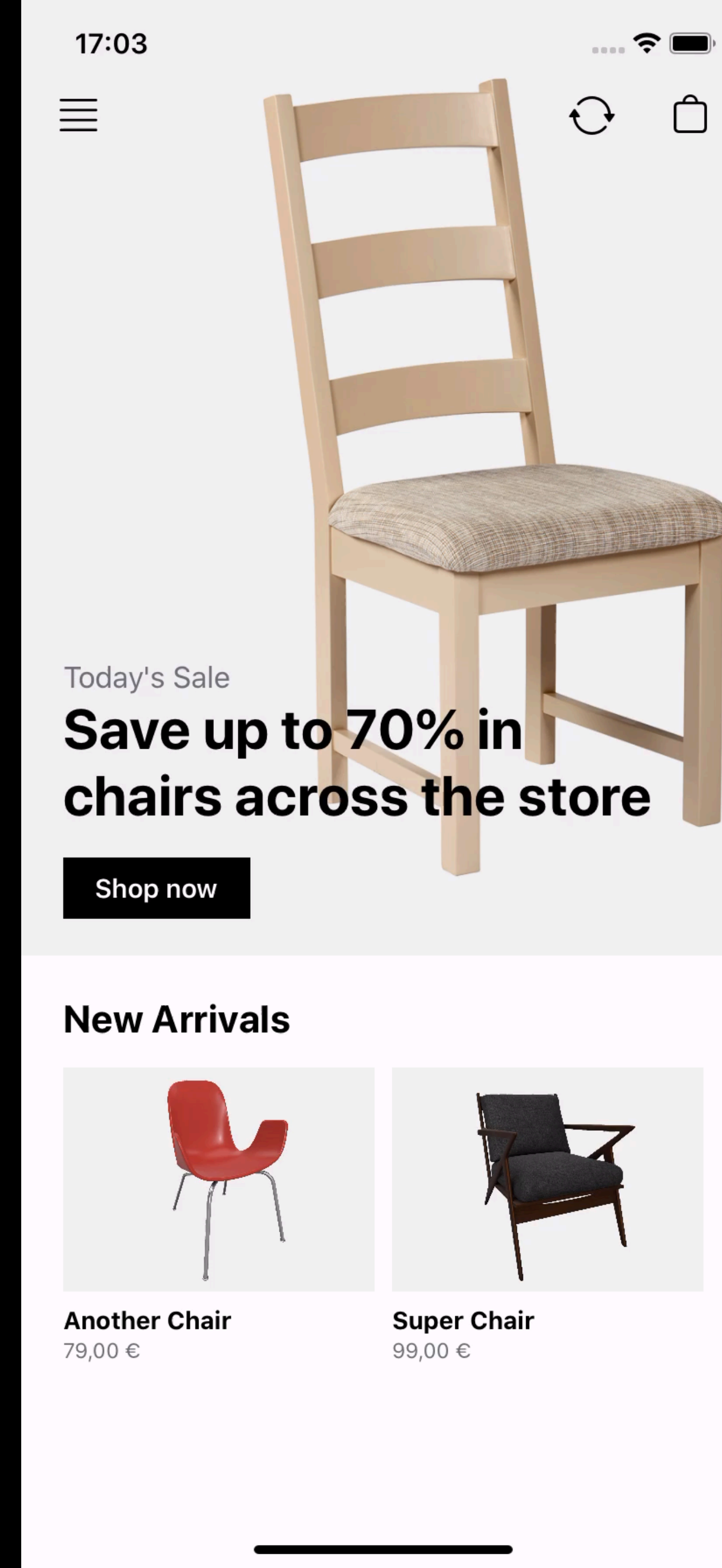
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Demo



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 codeable

<https://schmitzoide.blog>



 Download on the
App Store



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