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GUI Design for use case related to place orders

I. Screen transition diagram
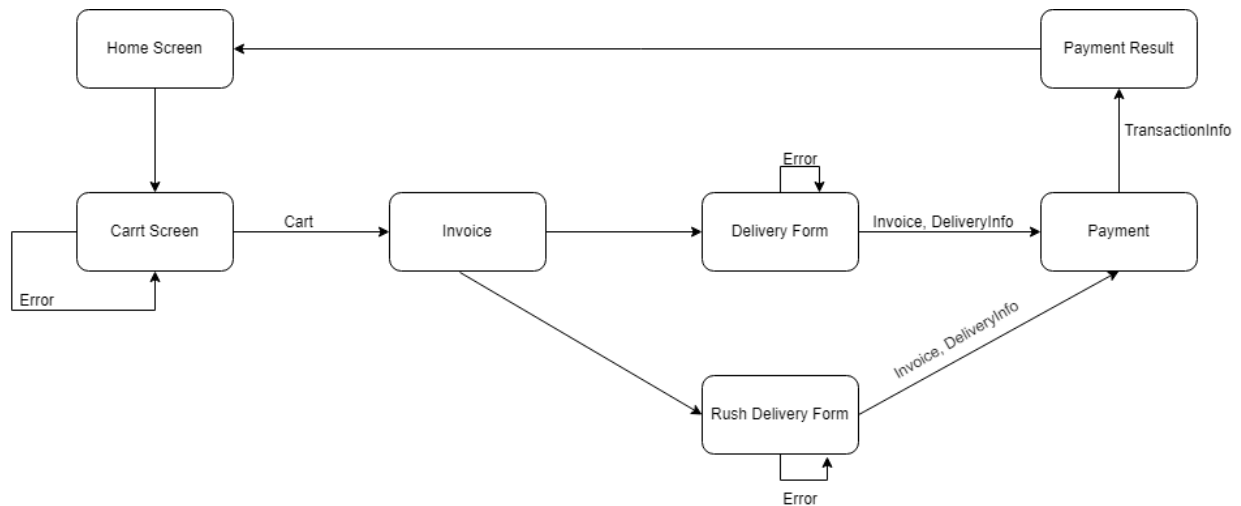

Figure 1. Screen transition diagram

II. Figma link

Home Screen: HomeScreen

Cart Screen: CartScreen

Delivery Form: DeliveryForm

Delivery Form – Rush Order: RushDeliveryForm
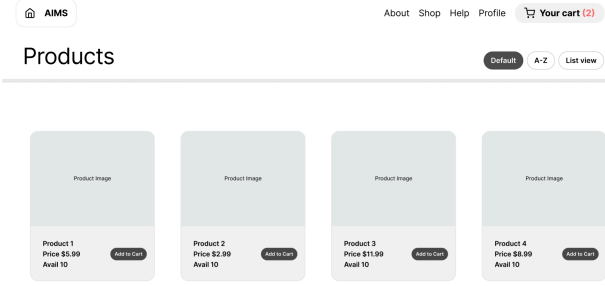
Invoice Screen: Invoice

Payment Screen: Payment

Result Screen: PaymentResult

III. Screen specification

1. Home Screen:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Home screen	7/5/2024			Mai Đức An
		Control	Operation	Function	
		Area	Initial	Display header, filter, item list	
		Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen	
		Switch Button	Click	Switch search filter	
		Button	Click	Add item to cart	
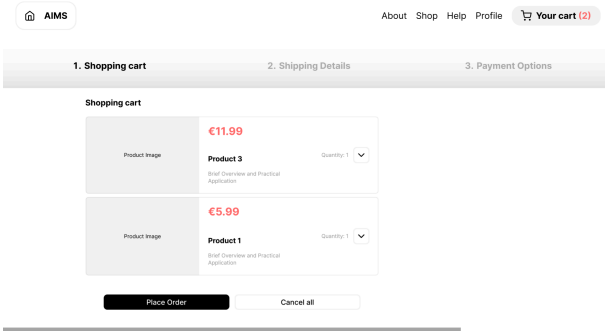
Field attributes:

Screen name	Home			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks
Product title	50	Character	Black	Left justified
Price	50	Numeral	Black	Left justified

2. Cart Screen:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Cart screen	7/5/2024			Mai Đức An

	Control	Operation	Function
	Area	Initial	Display header, layout, item cart list
	Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen
	Modify button	Click	Modify number of items
	Button	Click	Confirm to place order
	Button	Click	Cancel to place order
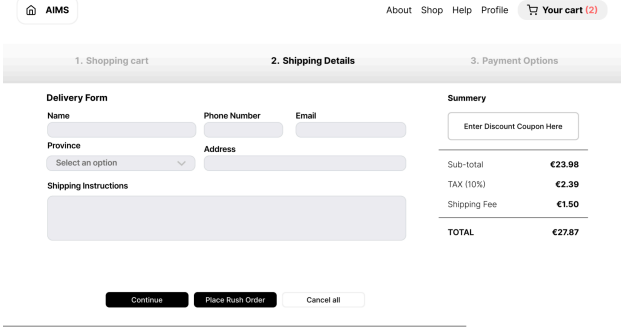
Field attributes:

Screen name	Cart			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks
Product title	50	Character	Black	Left justified
Product quantity	2	Numeral	Black	Larger than zero
Product price	5	Numeral	Black	Larger than zero

3. Delivery Form Popup:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Delivery form popup	7/5/2024			Mai Đức An

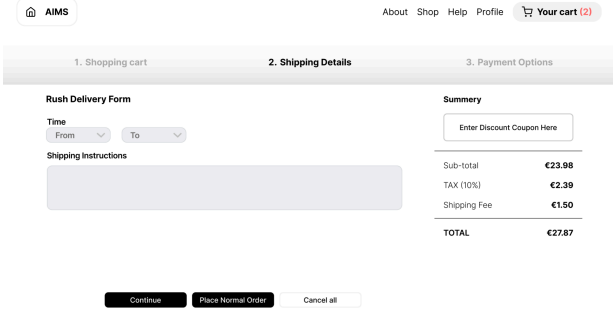| Control	Operation	Function
Area	Initial	Display header, layout, delivery form
Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen
Button	Click	Choose place rush order
Button	Click	Continue to place order
Button	Click	Cancel to place order
Input	Input Field	Input field for delivery form and sale coupon

Field attributes:

Screen name	Delivery form			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks
Name	20	Character	Gray	Left justified, blank can not be first, at least 3 characters, alert when error
Phone number	11	Digit	Gray	Left-justified, at least 10 number, alert when error
Email	30	Character	Gray	Left justified, has email form, alert when error
Address	50	Character	Gray	Left justified, blank can not be first, at least 3 characters, alert when error
Province	20	Character	Gray	Select option
Shipping instruction	100	Character	Gray	Left justified, optional for more detailed

				shipping instruction
Subtotal	10	Numeral	Black	Right justified, larger than zero
Shipping fee	5	Numeral	Black	Right justified, larger than zero
Tax	5	Numeral	Black	Right justified, larger than zero
Total price	11	Numeral	Black	Right justified, larger than zero

4. Rush Order Popup:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Rush Order popup	7/5/2024			Mai Đức An
		Control	Operation	Function	
		Area	Initial	Display header, layout, Rush Order form	
		Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen	
		Button	Click	Choose place normal order	
		Button	Click	Continue to place order	
		Button	Click	Cancel to place order	
		Input	Input field	Input field for rush order delivery form and sale coupon	
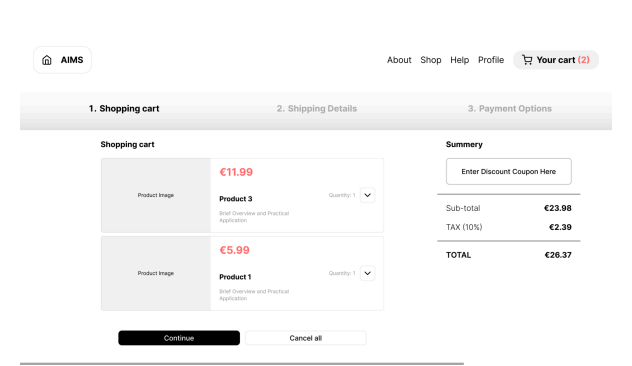
Field attributes:

Screen name	Rush Order			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks

Time From	5	Digits	Gray	Select option
Time to	5	Character	Gray	Select option
Shipping instruction	100	Character	Gray	Left justified, optional for more detailed shipping instruction
Subtotal	10	Numeral	Black	Right justified, larger than zero
Shipping fee	5	Numeral	Black	Right justified, larger than zero
Total price	11	Numeral	Black	Right justified, larger than zero

4. Invoice Screen:

Specification:

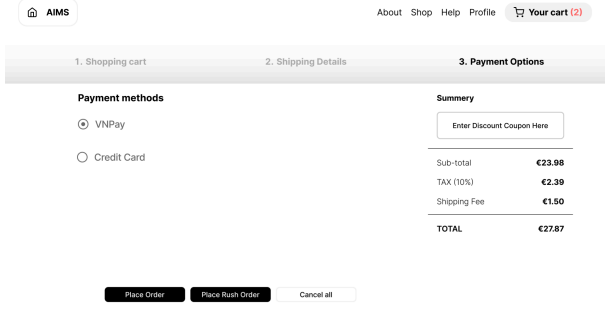| AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Invoice screen	7/5/2024			Mai Đức An
		Control	Operation	Function	
		Area	Initial	Display header, layout, item list, total price	
		Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen	
		Input	Input field	Enter Coupon	

Field attributes:

Screen name	Invoice			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks
Subtotal	10	Numeral	Black	Right justified, larger than zero

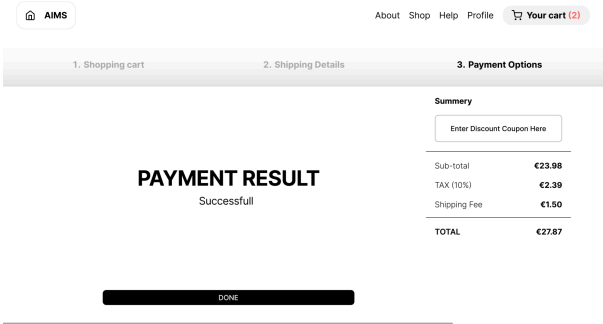|					
Tax	5	Numeral	Black	Right justified, larger than zero
Total price	11	Numeral	Black	Right justified, larger than zero

5. Payment Screen:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Payment screen	7/5/2024			Mai Đức An
		Control	Operation	Function	
		Area	Initial	Display payment form	
		Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen	
		Option	Click	Choose payment method	

Field attributes:

Screen name	Payment			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks
Subtotal	10	Numeral	Black	Right justified, larger than zero
Shipping fee	5	Numeral	Black	Right justified, larger than zero
Tax	5	Numeral	Black	Right justified, larger than zero
Total price	11	Numeral	Black	Right justified, larger than zero

6. Result Screen:

Specification:

AIMS Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Result screen	7/5/2024			Mai Đức An
		Control	Operation	Function	
		Area	Initial	Display header, success part	
		Navigation Button	Click	Navigate page to home screen, cart screen, user screen, shop details screen	

Field attributes:

Screen name	Result			
Item name	Number of digit (bytes)	Type	Field attribute	Remarks