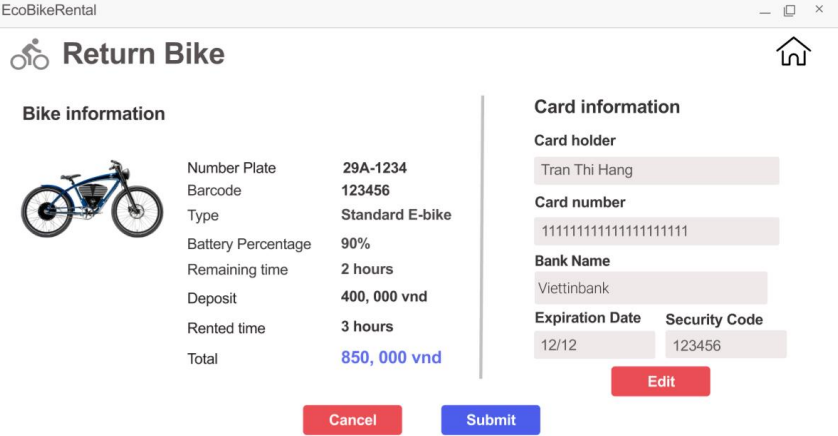


1. RETURN BIKE SCREEN

Screen specification

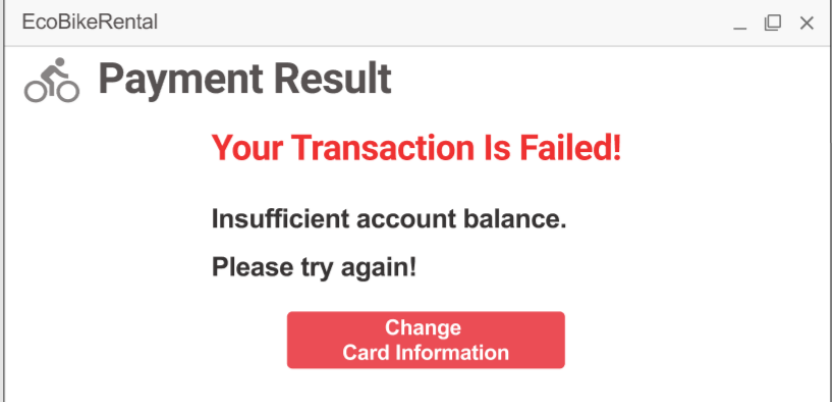
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Return Bike screen	7/11/2020			Trần Thị Hằng
		Control	Operation	Function	
		Area for displaying Bike information	Initial	Display detail information of renting bike	
		Area for displaying Card information	Initial	Display detail information of Card which will be used for payment	
		Edit button	Click	Display the Payment Screen	
		Cancel button	Click	Display Home Screen	
		Submit button	Click	Display Invoice Screen/Transaction Error Screen	
		Home button	Click	Display Home screen	

Defining the field attributes

Screen name	Return Bike screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Number Plate	10	String	Black	Left justified
Barcode	6	String	Black	Left justified
Type	20	String	Black	Left justified
Battery Percentage	3	Numeral	Black	Left justified
Remaining time	2	Numeral	Black	Left justified
Deposit	10	Numeral	Black	Left justified
Rented time	5	Numeral	Black	Left justified
Total	20	Numeral	Black	Left justified
Card holder	50	String	Black	Left justified
Card number	20	Numeral	Black	Left justified
Bank name	20	String	Black	Left justified
Expiration Date	10	String	Black	Left justified
Security Code	10	Numeral	Black	Left justified

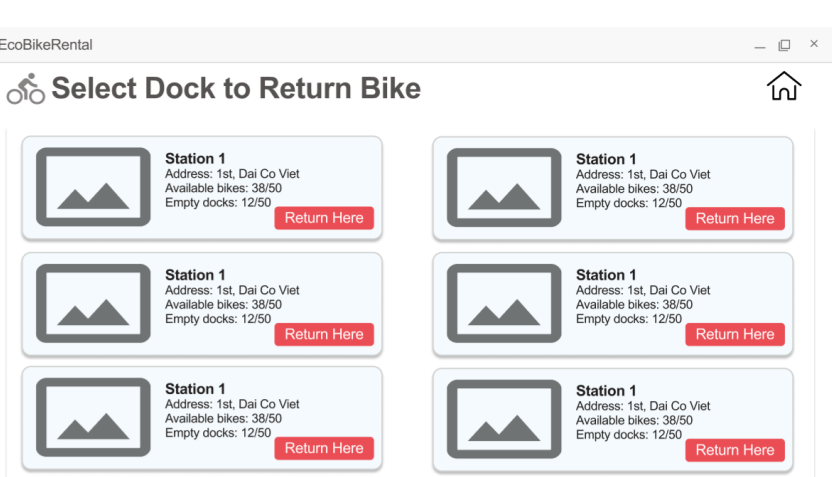
2. TRANSACTION ERROR SCREEN

Screen specification

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Transaction Error Screen	7/11/2020			Trần Thị Hằng
		Control	Operation	Function	
		Change Card Information button	Click	Display Payment Screen	

3. SELECT DOCK TO RETURN BIKE SCREEN

Screen specification

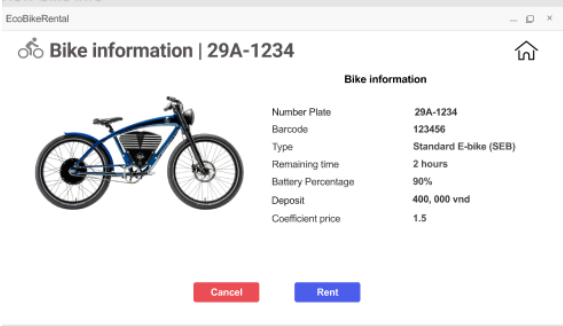
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Select Dock to Return Bike screen	7/11/2020			Trần Thị Hằng
		Control	Operation	Function	
		Area for displaying Dock information	Initial	Display detail information of a dock: Image, Name, Address, Number of Available Bikes and Empty docks	
		Return Here button (for each dock)	Click	Display Return Bike Screen	
		Home button	Click	Display Home screen	

Defining the field attributes

Screen name	Return Bike screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Dock name	20	String	Black	Left justified
Address	100	String	Black	Left justified
Available bikes	5	Numeral	Black	Left justified
Empty docks	5	Numeral	Black	Left justified

4. VIEW BIKE INFORMATION SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	View bike information screen	07/11/2020			Dương Thị Huệ
		Control	Operation	Function	
		Area for displaying the number plate	Initial	Display the number plate	
		Area for display image of bike	Initial	Display image	
		Area for display barcode	initial	Display the barcode	
		Area for display remaining time	initial	Display remaining time of bike if it is electric bike	
		Area for display battery percentage	initial	Display battery percentage of bike if it is electric bike	
		Area for display deposit	initial	Display deposit	
		Area coefficient price	initial	Display coefficient price to calculate amount	
		Cancel button	Click	Back to station information screen	
		Rent button	Click	Move to payment screen	
		Home icon	Click	Back to home	

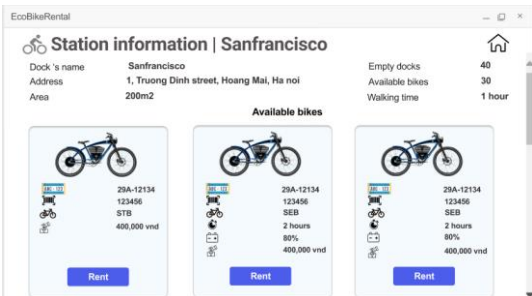
Defining the field attributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks

Number plate	10	String	Black	Left-justified
Barcode	6	String	Black	Left justified
Type	20	String	Black	Left-justified
Remaining time	2	Numeral	Black	Left-justified
Battery percentage	3	Numeral	Black	Left-justified
Deposit	10	Number	Black	Left-justified
Coefficient price	5	Numeral	Black	Left-justified

5. VIEW STATION INFORMATION SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	View station information screen	07/11/2020			Dương Thị Huê
	Control	Operation	Function		
	Area for displaying the Dock 's name	Initial	Display the name of dock		
	Area for display dock 's address	Initial	Display dock 's address		
	Area for display dock 's area	initial	Display the area of the dock		
	Area for display number available bike	initial	Display remaining number available bike		
	Area for display the number of empty docks	initial	Display number empty docks		
	Area for walking	initial	Display walking time from		

	time		current user location to dock
	Area for display list available bike and its information	initial	Display list available bike in the dock and its information
	Home icon	Click	Back to home
	Rent button	Click	Move to payment screen

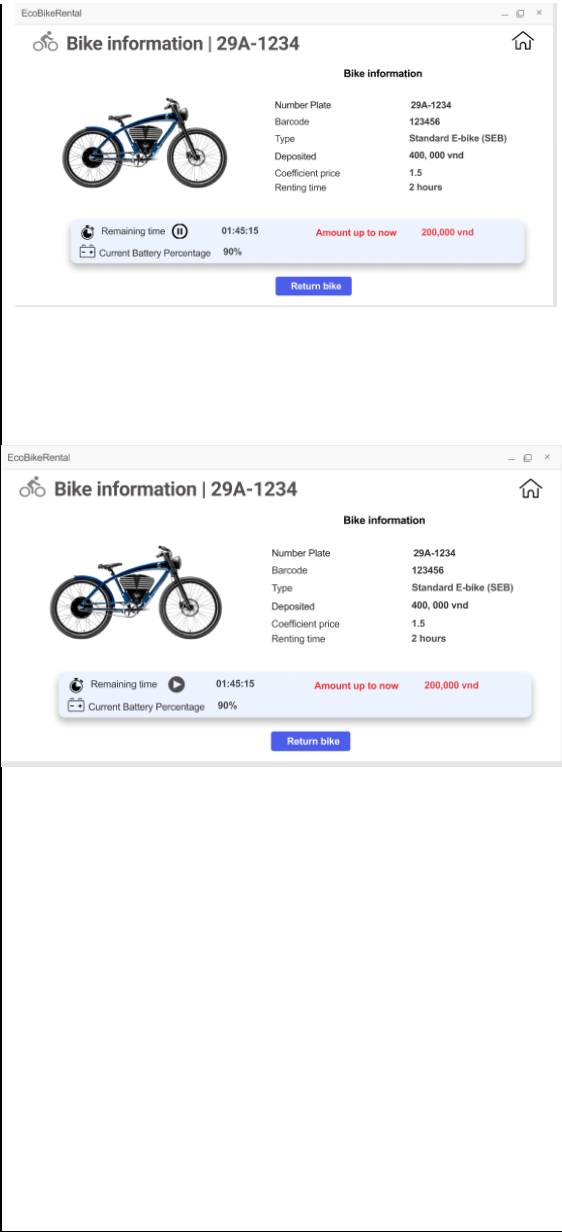
Defining the field attributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Number plate	10	String	Black	Left-justified
Barcode	6	String	Black	Left justified
Type	20	String	Black	Left-justified
Remaining time	2	Numeral	Black	Left-justified
Battery percentage	3	Numeral	Black	Left-justified
Deposit	10	Number	Black	Left-justified

6. VIEW RENTING BIKE SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	View renting bike information screen	07/11/2020			Dương Thị Huê
		Control	Operation	Function	
		Area for displaying the bike information	Initial	Display bike information	
		Area for display	Initial	Display remaining time of user	



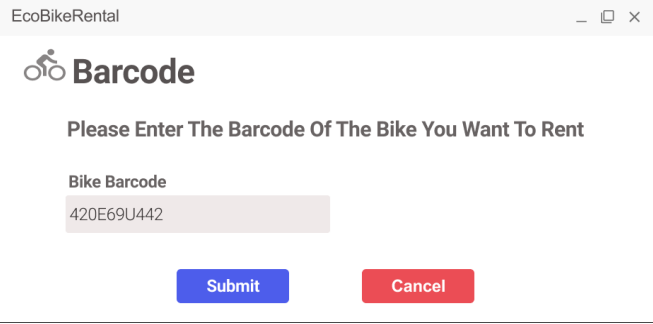
remaining time		
Area for display Renting time	initial	Display the renting time
Area for display amount up to now	initial	Display amount to be paid up to now
Area for home icon	click	Back to home
Area for display deposit	initial	Display deposit
Area coefficient price	initial	Display coefficient price to calculate amount
Area for display type	initial	Display type of bike
Pause icon	click	Stop counting clock
Play icon	Click	Continue counting clock

Defining the field attributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Amount up to now	10	Numeral	red	Left-justified
Remaining time	8	Hh:mm:ss	black	Left-justified

7. BARCODE POP-UP

Screen specification

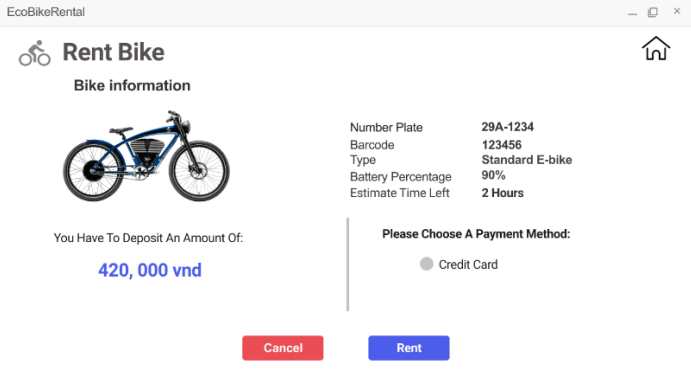
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Barcode Pop-up (when you click the rent bike button on the home screen)	11/5/2020			Phạm Nhật Linh
		Control	Operation	Function	
		Area for entering barcode	Initial	Get the barcode of the bike	
		Submit Button	click	Display the rent bike screen	
		Cancel button	Click	Come back to home screen	

Defining the field attributes

Screen Name	Barcode Pop-up			
Item Name	Number of digits (bytes)	Type	Field Attribute	Remarks
Bike Barcode	6-20	String	Black	Left-justified

8. RENT BIKE SCREEN

Screen specification

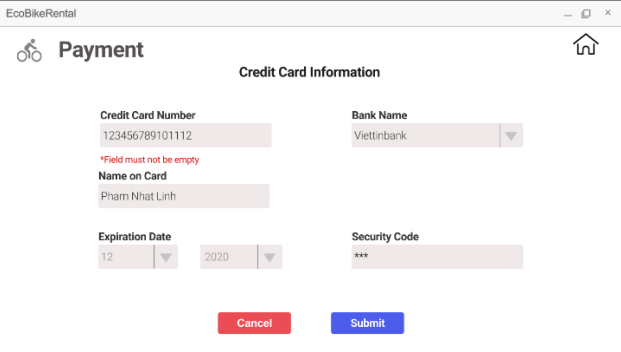
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Rent Bike Screen	11/5/2020			Phạm Nhật Linh
		Control	Operation	Function	
		Area for displaying bike info	Initial	Display the current bike info	
		Area for displaying the deposit amount	Initial	Display the deposit amount	
		Area for displaying payment methods	Click	Choose one payment method	
		Cancel Button	Click	Display the previous screen	
		Rent Button	Click	Display the payment screen	
		Home Icon	Click	Back to Home Screen	

Defining the field attributes

Screen Name	Rent Bike Screen			
Item Name	Number of digits (bytes)	Type	Field Attribute	Remarks
Number Plate	10	String	Black	Left-justified
Barcode	6	String	Black	Left-justified
Type	20	String	Black	Left-justified
Battery Percentage (optional)	3	Numeral	Black	Left-justified
Estimate Time Left (optional)	2	Numeral	Black	Left-justified
Deposit Amount	10	Numeral	Black	Left-justified

9. PAYMENT SCREEN

Screen specification

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Payment Screen	11/5/2020			Phạm Nhật Linh
		Control	Operation	Function	
		Area for entering credit card info	Initial	Get credit card info input	
		Cancel Button	Click	Back to View Dock Screen	
		Submit Button	Click	Continue to Invoice Screen	
		Home Icon	Click	Back To Home Screen	

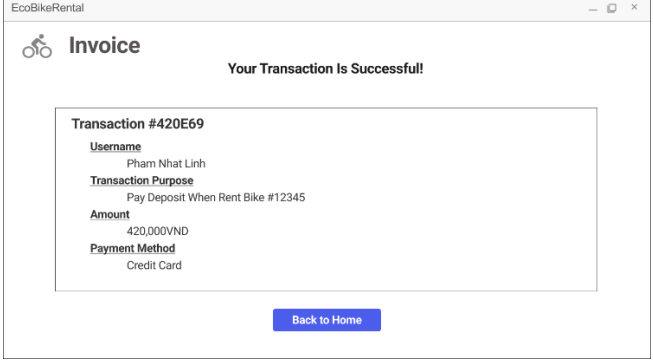
Defining the field attributes

Screen Name	Payment Screen			
Item Name	Number of digits (bytes)	Type	Field Attribute	Remarks
Card Number	20	Numeral	Black	Left-justified
Bank	20	String	Black	Left-justified
Name on Card	50	String	Black	Left-justified
Expiration Date (Month)	2	Numeral	Black	Left-justified
Expiration Date (Year)	4	Numeral	Black	Left-justified
Security Code	10	Numeral	Black	Left-justified

10.

INVOICE SCREEN

Screen specification

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Invoice Screen	11/5/2020			Phạm Nhật Linh
		Control	Operation	Function	
		Area for displaying transaction status	Initial	Display the message	
		Area for displaying the details of the transaction	Initial	Display transaction ID, username, transaction contents, amount of money, Payment method	
		Back to Home button	Click	Come back to home screen	

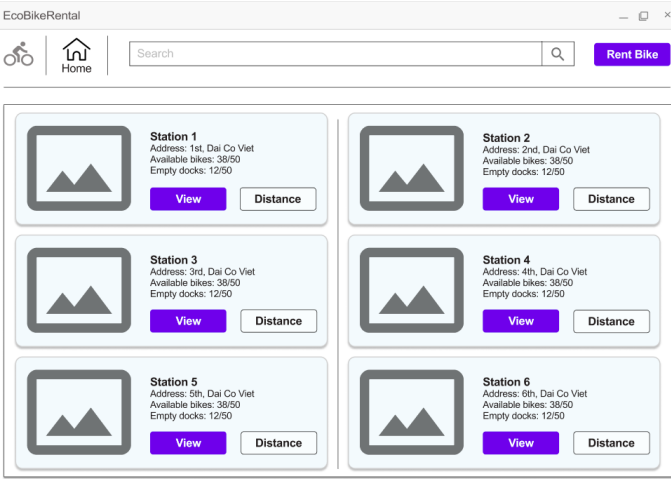
Defining the field attributes

Screen Name	Invoice Screen			
Item Name	Number of digits (bytes)	Type	Field Attribute	Remarks
Transaction Status	50	String	Black	Center-justified
Username	50	String	Black	Left-justified
Transaction Contents	50	String	Black	Left-justified
Transaction ID	20	String	Black	Left-justified
Transaction Amount	10	Numeral	Black	Left-justified
Payment Method	20	String	Black	Left-justified

11. HOME SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	Home screen	07/11/2020			Đỗ Minh Thông
		Control	Operation	Function	
		Area for displaying the list of docks	Initial	Display list of docks	
		View button	Click	Move to view station information screen	
		Distance button	Click	View distance popup	
		Home icon	click	Reload home screen	

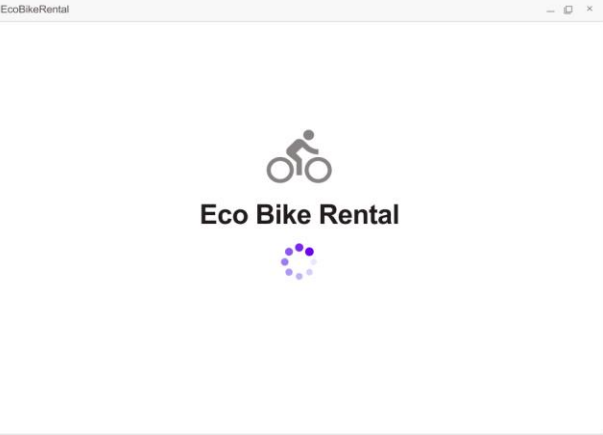
		
Rent bike button	click	Enter barcode and move to rent bike screen

Defining the fieldattributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Station information	256	Text	Black	Left-justified

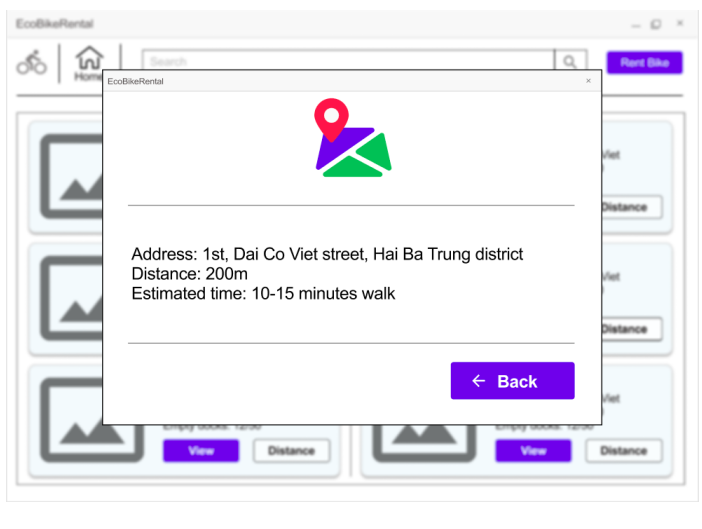
12. SPLASH SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	Splash screen	07/11/2020			Đỗ Minh Thông
		Control	Operation	Function	
		Area for displaying the loading screen	Initial	Display loading screen	

13. VIEW DISTANCE POPUP SCREEN

Screen specification

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	View distance popup screen	07/11/2020			Đỗ Minh Thông
		Control	Operation	Function	
		Area for displaying the station information and walking time estimate	Initial	Display station information and walking time estimate	
		Back button	Click	Move to home screen	

Defining the fieldattributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Type	Field attribute	Remarks
Station information	256	Text	Black	Left-justified
Distance	50	Numeral	Black	Left-justified
Estimated time	50	Numeral	Black	Left-justified