1. RETURN BIKE SCREEN

Screen specification

EcoBikeRental S	Softwar	e					Date of	Approved	Reviewed	Person in
							creation	by	by	charge
Screen specifica	ation	Retui	rn Bike scree	en			7/11/2020			Trần Thị Hằng
							Control	Operation	Function	
EcoBikeRental Return E	Bike				-	□ ×	Area for displaying	Initial	Display deta	
Bike information				Card informat	ion		Bike information		bike	
Number Plate	123456 Standard E-bike 90% 2 hours	11111111111111111111111111111111111111		Area for displaying Card information	Initial	Display deta information which will b payment	of Card			
	Deposit 400,000 vnd Viettinbank Rented time 3 hours Expiration Date Security Code Total 850,000 vnd 12/12 123456		time 3 hours Expiration Date Security Code		Edit button	Click	Display the Screen	Payment		
					Edit		Cancel button	Click	Display Hon	ne Screen
		C	Cancel Su	bmit			Submit button	Click	Display Invo Screen/Trar Screen	oice nsaction Error
							Home button	Click	Display Hon	ne screen

Screen name	Return Bike screen			
Item name	Number of digits (bytes)	Туре	Field attribute	Remarks
Number Plate	10	String	Black	Left justified
Barcode	6	String	Black	Left justified
Туре	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

Е	coBikeRental Softwar	e		Date of	Approved	Reviewed	Person in
				creation	by	by	charge
S	creen specification	Transaction Error Screen		7/11/2020			Trần Thị Hằng
	EcoBikeRental		_ 🛭 ×	Control	Operation	Function	
	് Payment	Result					
	You	ur Transaction Is Failed!		Change Card Information	Click	Display Pay	ment Screen
	Insu	ifficient account balance.		button			
	Plea	ase try again!					
		Change Card Information					

3. SELECT DOCK TO RETURN BIKE SCREEN

Screen specification

EcoBikeRental Softwar	е			Date of	Approved	Reviewed	Person in
				creation	by	by	charge
Screen specification	Select Dock to Return I	Bike screen		7/11/2020			Trần Thị
							Hằng
				Control	Operation	Function	
EcoBikeRental			_ 🗆 ×	Area for	Initial	Display deta	ail
്റ് Select Dock to	Return Bike		₩ M	displaying		information	of a dock:
				Dock		Image, Nam	ie, Address,
Station 1 Address: 1st, Dai		Station 1 Address: 1st, Dai Co Viet		information		Number of A	Available
Available bikes: 3 Empty docks: 12		Available bikes: 38/50 Empty docks: 12/50	Here			Bikes and E	mpty docks
	Notarrinoto	redir	icic	Return Here	Click	Display Retu	urn Bike
Station 1 Address: 1st. Dai	Co Viet	Station 1 Address: 1st. Dai Co Viet		button (for		Screen	
Available bikes: 3 Empty docks: 12	(50	Available bikes: 38/50 Empty docks: 12/50	_	each dock)			
	Return Here	Return	Here	Home button	Click	Display Hon	ne screen
Station 1 Address: 1st, Dai Available bikes: 5 Empty docks: 12	38/50	Station 1 Address: 1st, Dai Co Viet Available bikes: 38/50 Empty docks: 12/50 Return	Here				

Screen name	Return Bike screen			
Item name	Number of digits (bytes)	Туре	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 Huê
Ecolika Dantel	0.4	Control	Operation	Function	
Eike information 29A-1234 Bike information Number Plate 29A-1234 Barroole 123456 Type Standard E-bike (SEB) Remaining time Battery Percentage 99% Deposit 400,000 vnd Coefficient price 1.5		Area for displaying the number plate	Initial	Display the number plat	
		Area for display image of bike	Initial	Display ima	age
Cancel	Rent	Area for display barcode	initial	Display the	barcode
		Area for display remaining time	initial	Display remait is electric	aining time of bike if bike
		Area for display battery percentage	initial	Display batt bike if it is e	ery percentage of lectric bike
		Area for display deposit	initial	Display depo	osit
		Area coefficient price	initial	Display coef calculate am	ficient price to nount
		Cancel button	Click	Back to stati screen	on information
		Rent button	Click	Move to pay	ment screen
		Home icon	Click	Back to hom	ie

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

Number plate	10	String	Black	Left-justified
Barcode	6	String	Black	Left justified
Туре	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

EcobikeRental Software	Date of creation	Approved by	Reviewed by	Persion in charge		
Screen specification View station information screen	07/11/2020			Dương Thị Huê		
EcoBikeRental □ ×	Control	Operation	Function			
Station information Sanfrancisco Dock 's name	Area for displaying the Dock 's name	Initial	Display the	name of dock		
280-12134	Area for display dock 's address	Initial	Display dod	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 rema	aining number e		
	Area for display the number of empty docks	initial	Display num	ber empty docks		
	Area for walking	initial	Display walk	ing time from		

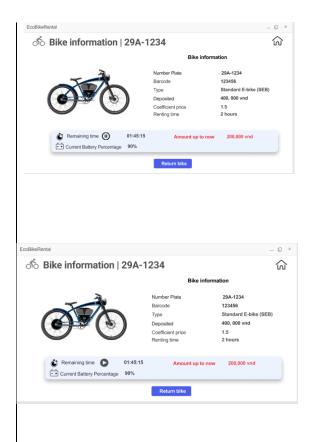
time		current user location to dock
Area for display list available bike and its information		Display list available bike in the dock and its information
Home icon	Click	Back to home
Rent button	Click	Move to payment screen

Defining the field attributes

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Туре	Field attribute	Remarks
Number plate	10	String	Black	Left-justified
Barcode	6	String	Black	Left justified
Туре	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

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	e information
		Area for display	Initial	Display rem	naining time of user



remaining time		
Area for display	initial	Display the renting time
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

Screen name	View bike information screen			
Item name	Number of digits (bytes)	Туре	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
EcoBikeRental	_ 🗆 ×	Control	Operation	Function	
Please Enter The Barcode Of The Bike You Want To Rent		Area for entering barcode	Initial	Get the barcode of the bike	
Bike Barcode 420E69U442		Submit Button	click	Display the rent bike screen	
Submit	Cancel	Cancel button	Click	Come back	to home screen

Defining the field attributes

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

8. RENT BIKE SCREEN

EcoBikeRental Software			Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Rent Bike Screen		11/5/2020			Phạm Nhật Linh
EcoBikeRental		_ @ ×	Control	Operation	Function	
Rent Bike		ش	Area for	Initial	Display the	current bike info
Bike information	Number Plate 29A-1234 Barcode 123456		displaying bike info			
You Have To Deposit An Amount Of:	Barcode 123456 Type Standard E-bike Battery Percentage 90% Estimate Time Left 2 Hours Please Choose A Payment Method:		Area for displaying the deposit amount	Initial	Display the	deposit amount
420, 000 vnd	420, 000 vnd		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 Hor	ne Screen

Defining the field attributes

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

9. PAYMENT SCREEN

Screen specification

Screen speem		1	1		
EcoBikeRental Software		Date of	Approved	Reviewed	Person in charge
		creation	by	by	
Screen Specification	Payment Screen	11/5/2020			Phạm Nhật Linh
EcoBikeRental	_ □ ×	Control	Operation	Function	
on Payment Credit Card Infor	mation	Area for	Initial	Get credit ca	rd info input
		entering			
Credit Card Number 123456789101112	Bank Name Viettinbank	credit card			
*Field must not be empty Name on Card		info			
Pham Nhat Linh		Cancel Button	Click	Back to View	Dock Screen
Expiration Date	Security Code ***	Submit Button	Click	Continue to Invoice Screen	
Cancel	Submit				
		Home Icon	Click	Back To Hom	ie Screen

Screen Name	Payment Screen			
Item Name	Number of digits (bytes)	Туре	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

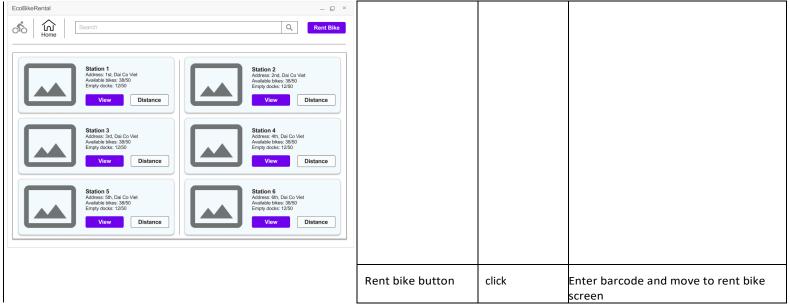
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Person in charge
Screen Specification	Invoice Screen	11/5/2020			Phạm Nhật Linh
Nour Transaction Is		Area for displaying	Operation Initial	Function Display the message	
Transaction #420E69 Username Pham Nhat Linh Transaction Purpose Pay Deposit When Rent Bike #12345 Amount 420,000VND Payment Method Credit Card		transaction status			
		Area for displaying the details of the	Initial	transaction co	action ID, username, ontents, amount of
Back to Ho	me	transaction Back to Home	Click	Payment met Come back to	hod home screen
	, 	button			

Defining the field attributes

Screen Name	Invoice Screen			
Item Name	Number of digits (bytes)	Туре	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

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 screen	station information
		Distance button	Click	View distance	popup
		Home icon	click	Reload home so	reen



Defining the fieldattributes

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

12. SPLASH SCREEN

EcobikeRental Software		Date of creation	Approved by	Reviewed by	Persion in charge
Screen specification	Splash screen	07/11/2020			Đỗ Minh Thông
EcoBikeRental — Ø ×		Control	Operation	Function	
Eco Bike Rental		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
EcoBkeRental D ×		Control	Operation	Function	
EcobikeRental x	Area for displaying the station information and walking time estimate	Initial	Display station information and walking time estimate		
Address: 1st, Dai Co Viet street, Hai Ba Trung district Distance: 200m Estimated time: 10-15 minutes walk Back		Back button	Click	Move to home screen	

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