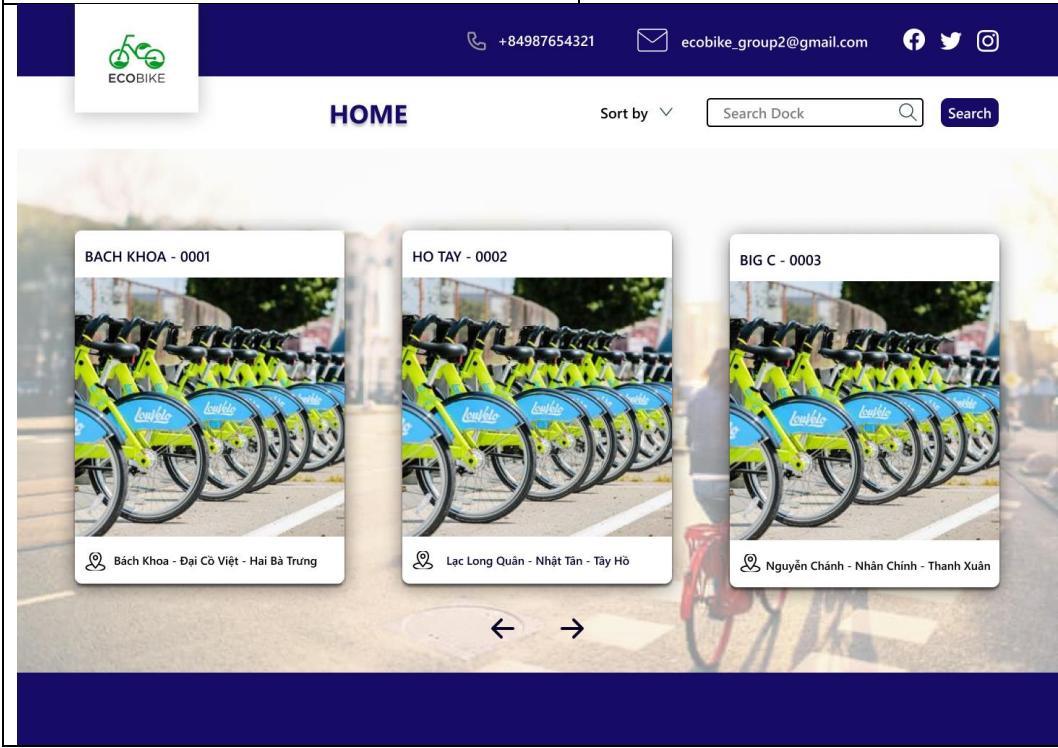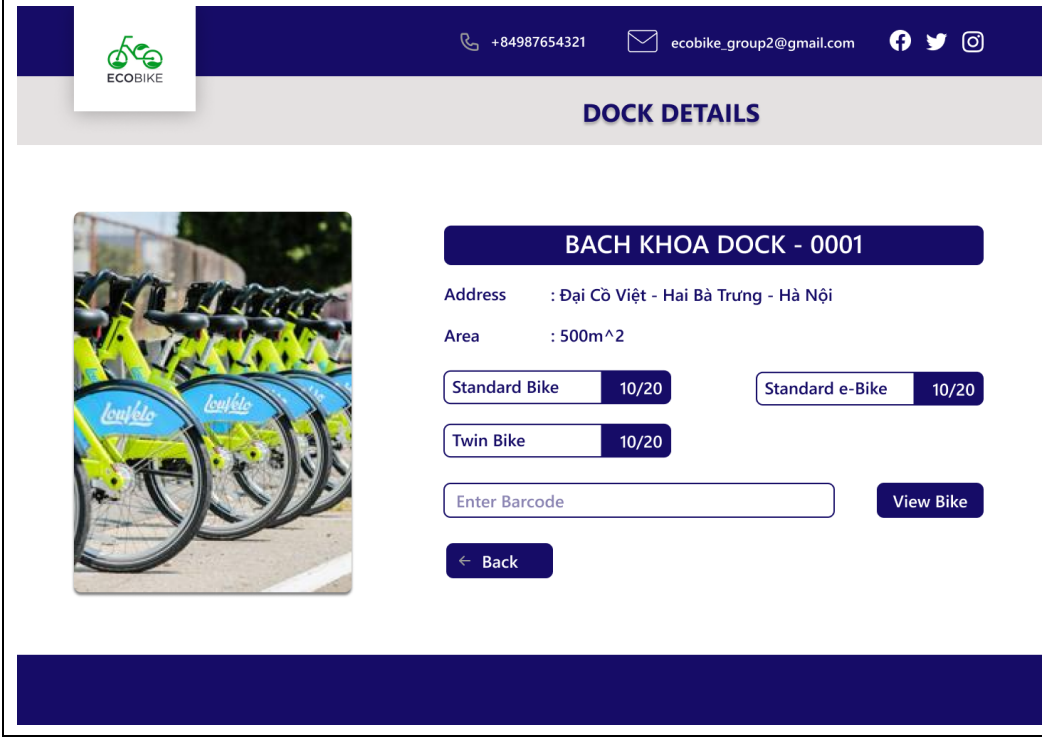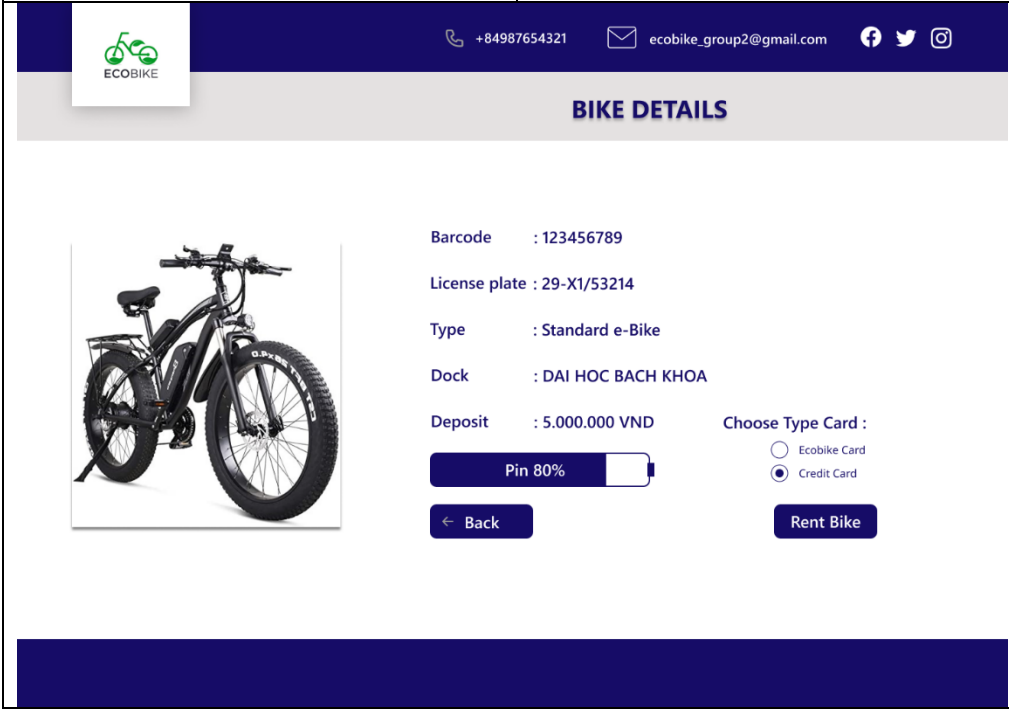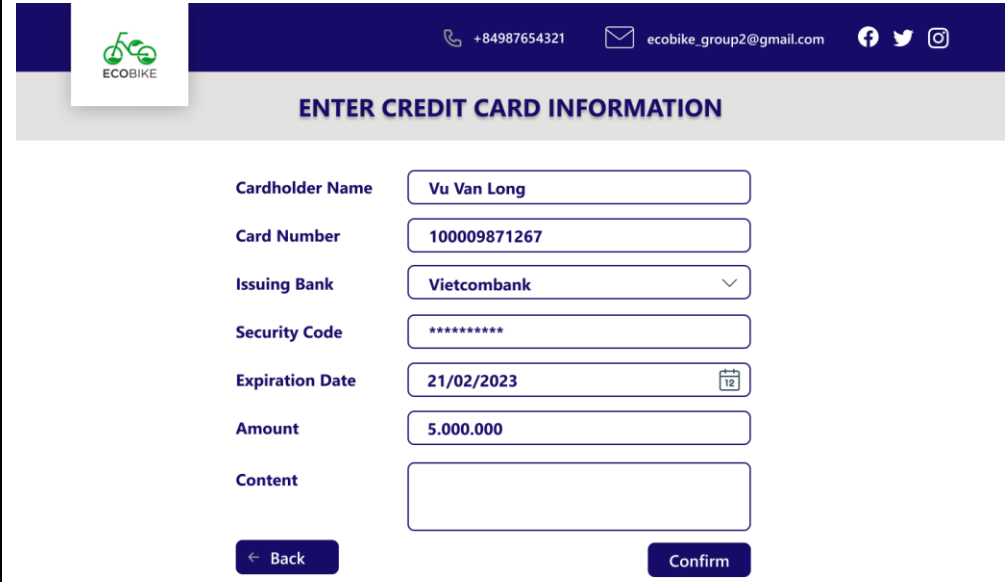# DETAILED SCREEN SPECIFICATION
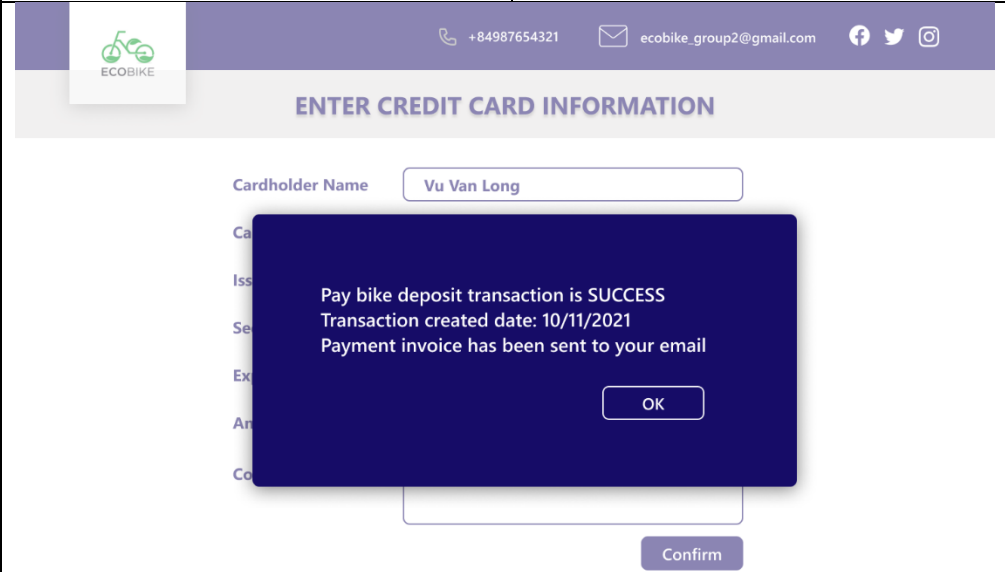
1. Screen Specification

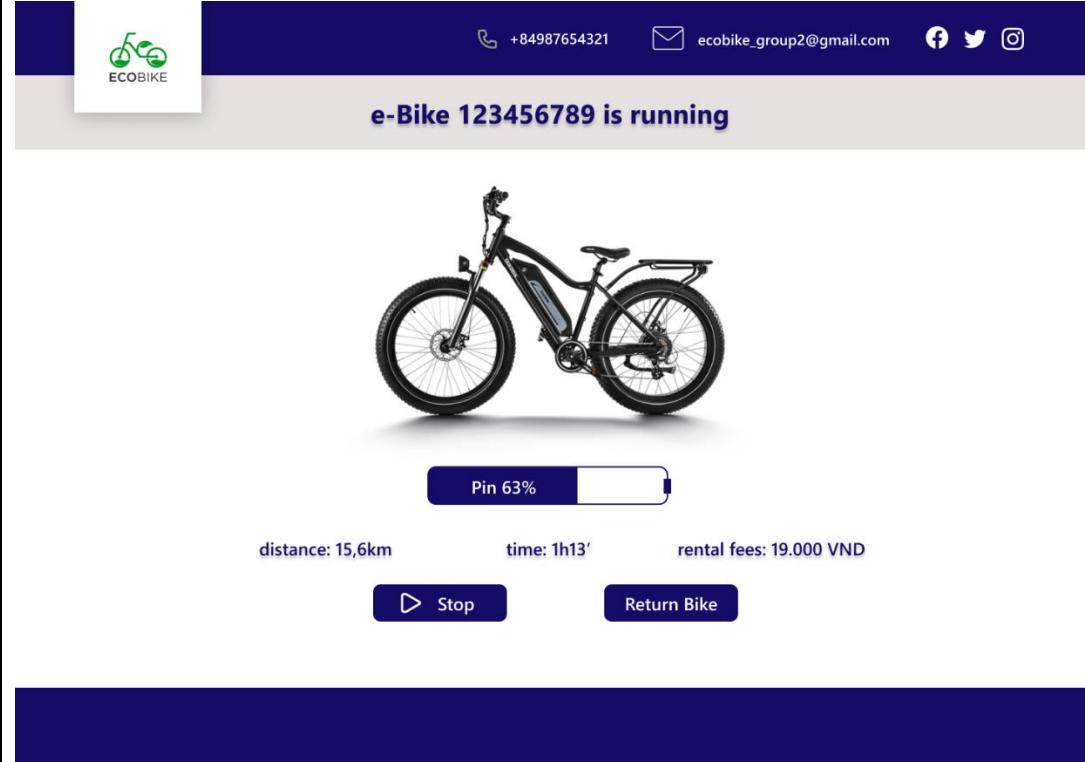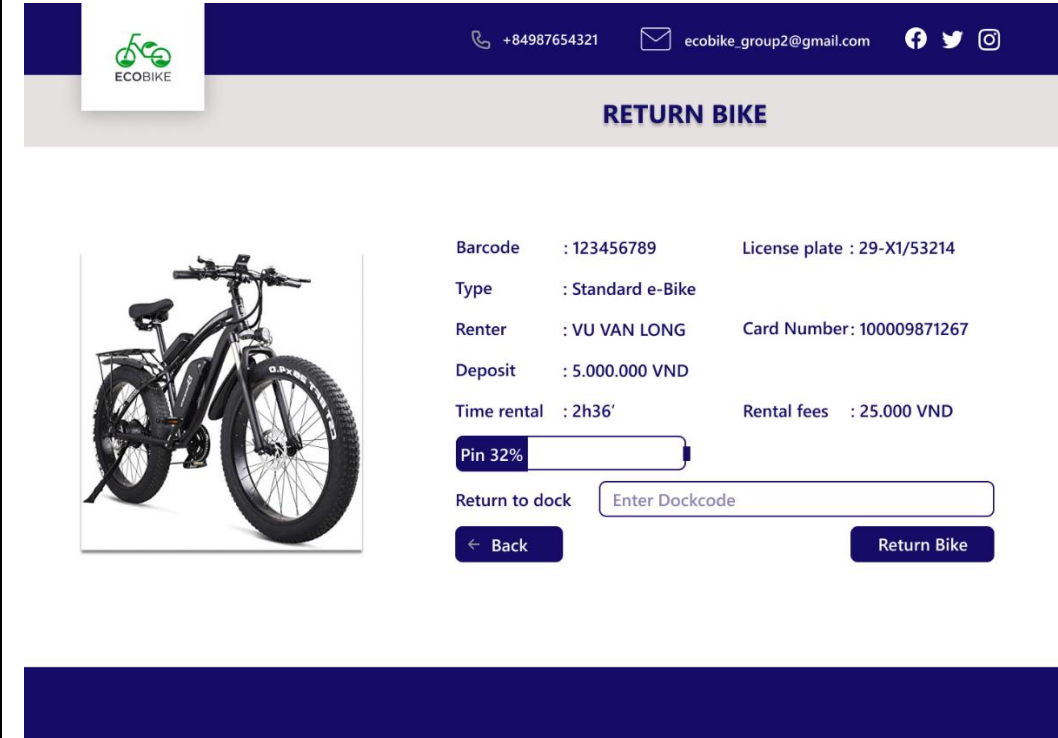| EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	**Home screen**	**08/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**
		Control	**Operation**		**Function**
		Area of displaying the contact information	Initial		Display the contact information such as phone number, mail, Facebook page…
		Area of searching dock	Initial		Searching a dock
		Area of displaying the list of docks	Initial		Displaying the list of docks
		'Sort by' drop	Choose from list		Choose a sorting condition
		'Search Dock' area	Enter input		Enter dock's id or dock's name
		Search button	Click		Search dock with entered data
		Dock item	Initial or after searching dock		Display the item of dock including dock's code, dock's image, dock's name.

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	**The detailed information of a dock**	**08/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**
		Control	**Operation**		**Function**
		Area of displaying the contact information	Initial		Display the contact information such as phone number, mail, Facebook page…
		Area of displaying the title	Initial		Display the title: DOCK DETAILS
		Area of displaying the dock details	Initial		Display a dock details screen
		Box of display the type of bikes	Initial		Display the type of bikes: Standard Bike, Standard e-Bike, Twin Bike
		Box of displaying the number of bike/ max bike in a dock	Initial		Display the number of bike/max bike in a dock
		Enter barcode area	Enter barcode		Enter barcode of a bike
		View bike button	Click		Display detailed information of a bike
		Back button	Click		Back to list of docks/HOME screen
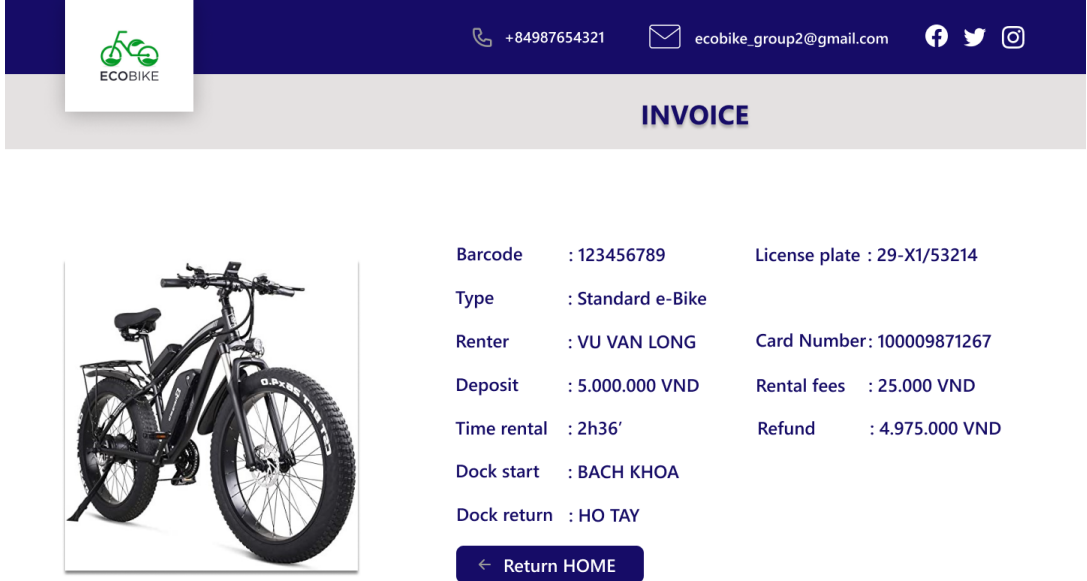
EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	**The detailed information of a bike**	**08/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**
		Control	**Operation**		**Function**
		Area of displaying the contact information	Initial		Display the contact information such as mail, Facebook page…
		Area of displaying the title	Initial		Display the title BIKE DETAILS
		Area of displaying the bike details	Initial		Display the bike details
		Box of displaying the pin of a bike	Initial		Display the pin of a bike if the bike is Standard e-Bike
		'Choose Type Card' box	Choose radio		Choose type card for paying deposit if customer want to rent bike
		'Rent Bike' button	Click		Display ENTER CREDIT CARD INFORMATION screen
		'Back' button	Click		Back to DOCK DETAILS screen

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	**Credit card information screen**	**09/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**
		Control	**Operation**	**Function**	

Control	Operation	Function
Area of displaying the contact information	Initial	Display the contact information such as phone number, mail, Facebook page…
Area of displaying the title	Initial	Display the title ENTER CREDIT CARD INFORMATION
Area of displaying the card information	Initial	Display the card information
'Cardholder name' area	Enter input	Enter cardholder name
'Card Number' area	Enter input	Enter card number
'Issuing Bank' area	Choose from list	Choose bank name
'Security Code' area	Enter input	Enter security code of card
'Expiration Date' area	Enter input/ Choose from calendar	Enter/Choose the expiration date of card
'Amount' area	Initial	Amount of deposit of renting a bike. Amount is got from BIKE DETAILS screen
'Content' area	Enter input	Content for paying deposit
'Back' button	Click	Back to BIKE DETAILS screen
'Confirm' button	Click	Confirm the credit card information

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	**Notification success**	**09/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**

Control	Operation	Function
Area of displaying the notification of payment transaction		Displaying the notification of payment transaction, display successful transaction or error transaction, if transaction has error, display the detailed error.
'OK' button	Click	If the payment transaction is successful, display next screen. If not, display the current screen.

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	Bike State Information	09/11/2021		Vũ Văn Long	Trần Xuân Trường

e-Bike 123456789 is running

Pin 63%

distance: 15,6km   time: 1h13'   rental fees: 19.000 VND

▷ Stop   Return Bike

Control	Operation	Function
Area of displaying the contact information	Initial	Display the contact information such as phone number, mail, Facebook page…
Area of displaying the title	Initial	Display the title
Area of displaying the bike state details	Initial	Display the bike current state details that the customer is renting
Box of displaying the current pin of a bike	Initial	Display the current pin of a bike if the bike is Standard e-Bike
'distance' box	Initial	Distance that the customer used
'time' box	Initial	Time period that the customer rents that bike
'rental fees' box	Initial	Rental fees that the customer pays
'Stop' button	Click	The customer continues to use that bike
'Return Bike' button	Click	The customer stops to return that bike. Display RETURN BIKE screen

EcoBikeRental Software		Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification	Return bike screen	09/11/2021		Vũ Văn Long	Trần Xuân Trường

RETURN BIKE

Barcode : 123456789   License plate : 29-X1/53214

Type : Standard e-Bike

Renter : VU VAN LONG   Card Number: 100009871267

Deposit : 5.000.000 VND

Time rental : 2h36'   Rental fees : 25.000 VND

Pin 32%

Return to dock   [Enter Dockcode]

← Back   Return Bike

Control	Operation	Function
Area of displaying the contact information	Initial	Display the contact information such as phone number, mail, Facebook page…
Area of displaying the title	Initial	Display the title RETURN BIKE
Area of displaying the return bike information	Initial	Display the return bike information
'Barcode' area	Initial	Display the bike barcode
'License plate' area	Initial	Display the bike license plate
'Type' area	Initial	Display the bike type
'Renter' area	Initial	Display the customer's name
'Card Number' area	Initial	Display the card id of the customer
'Deposit' area	Initial	Display the deposit of the bike
'Time rental' area	Initial	Display the rental time
'Rental fees' area	Initial	Display the rental fee
Box of displaying the remain pin of the bike after renting	Initial	Display the remain pin of the bike after renting if the bike is Standard e-Bike
'Return to dock' area	Enter Dockcode	Enter dockcode of the dock that the customer wants to return bike
'Back' button	Initial	Back to current state of the bike screen
'Return Bike' button	Initial	Confirm to return bike. Display the INVOICE screen

EcoBikeRental Software			Date of creation	Approved by	Reviewed by	Personal in charge
Screen Specification		**Invoice screen**	**09/11/2021**		**Vũ Văn Long**	**Trần Xuân Trường**

	Control	Operation	Function
	Area of displaying the contact information	Initial	Display the contact information such as phone number, mail, Facebook page…
	Area of displaying the title	Initial	Display the title INVOICE
	Area of displaying the invoice information	Initial	Display the invoice information
	'Barcode' area	Initial	Display the bike barcode
	'License plate' area	Initial	Display the bike license plate
	'Type' area	Initial	Display the bike type
	'Renter' area	Initial	Display the customer's name
	'Card Number' area	Initial	Display the card id of the customer
	'Deposit' area	Initial	Display the deposit of the bike
	'Rental fees' area	Initial	Display the rental fee
	'Time rental' area	Initial	Display the rental time
	'Refund' area	Initial	Display the refund if the deposit < the rental fees
	'Dock start' area	Initial	Display name of the dock that the customer rented that bike
	'Dock return' area	Initial	Display name of the dock that the customer returned that bike
	'Return HOME' area	Initial	Return the HOME screen

2. Define the field attributes

Screen name	Home screen			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Dock code	4	Numeral	Blue	Each item of dock
Dock name	50	String	Blue	Each item of dock
Dock address	100	String	Blue	Each item of dock
Search Dock	100	String (address) or Numeral (dock code)	Box	Right-justified

Screen name	The detailed information of a dock			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Dock name	50	String	White	Center
Dock code	4	Numeral	White	Center
Address	100	String	Blue	Left-justified
Area	5	Numeral	Blue	Left-justified
Enter barcode area	10	Numeral	Box	Left-justified
Bike name	50	String	Blue	Left-justified

Screen name	The detailed information of a bike			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Barcode	10	Numeral	Blue	Left-justified
License plate	20	String	Blue	Left-justified
Bike type	50	String	Blue	Left-justified
Dock name	50	String	Blue	Left-justified
Deposit	10	Numeral	Blue	Left-justified

Screen name	Credit card information screen			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Cardholder Name	50	String	Box	Center
Card Number	20	Numeral	Box	Center
Issuing Bank	50	String	Box	Center
Security Code	10	Numeral	Box	Center
Expiration Date	20	Date: day/month/year	Box	Center
Amount	10	Numeral	Box	Center
Content	200	String	Box	Center

Screen name				
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Status	30	String	White	
Created date	30	Date: day/month/year	White	

Screen name	**Bike State Information**			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Distance	10	Numeral	Blue	Left-justified
Time	10	String	Blue	Center
Rental fees	10	Numeral	Blue	Right-justified

Screen name	**Return bike screen**			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Barcode	10	Numeral	Blue	Center
License plate	20	String	Blue	Right-justified
Type	50	String	Blue	Center
Renter	50	String	Blue	Center
Car Number	20	Numeral	Blue	Right-justified
Deposit	10	Numeral	Blue	Center
Time rental	10	String	Blue	Center
Rental fees	10	Numeral	Blue	Right justified
Return to dock	5	Numeral	Box	Right justified

Screen name	**Invoice screen**			
Item name	**Number of digits (bytes)**	**Type**	**Field attribute**	**Remarks**
Barcode	10	Numeral	Blue	Center
License plate	20	String	Blue	Right-justified
Type	50	String	Blue	Center
Renter	50	String	Blue	Center
Car Number	20	Numeral	Blue	Right-justified
Deposit	10	Numeral	Blue	Center
Rental fees	10	Numeral	Blue	Right justified
Time rental	10	String	Blue	Center
Refund	10	Numeral	Blue	Right-justified
Dock start	50	String	Blue	Center
Dock return	50	String	Blue	Center