

1. Standardization for screen configuration

a. Display

- Number of supported colors: 16,581,375.
- Resolution: 1366x768 pixels.

b. Screen

- Location of standard button: At the bottom , center of the screen.
- Location of the screen title: At the upper left corner of the screen.
- Consistency in expression: comma is used for large number separators, while string only consist of characters, digits, comma, dots, spaces, underscores, and hyphen symbols.

c. Control

- Text:
 - + Mostly size 20px
 - + Font: System
 - + Color: Black
- Input checking process: All required input fields should be checked if empty or not. Also, it should be checked if the format is valid or not.
- Sequence of screens:
 - + Each screen is separated, and there is no popup screen. After opening the app, first the splash screen is displayed, followed by the home screen.
 - + Sequence of system screens:
 - Splash screen (first screen)
 - Home screen: displays a list of docks for the user to select, and all function buttons, searchbar.
 - View dock screen: displays information about the dock and a list of detailed information about the bikes in that dock.
 - Rent bike screen: for users to rent a bike.
 - View rent screen: view the information about the current status of the rent.

d. Direct input from the keyboard

- There will be no shortcuts.
- Each screen has a "back" button to get back to the previous screen.

e. Error

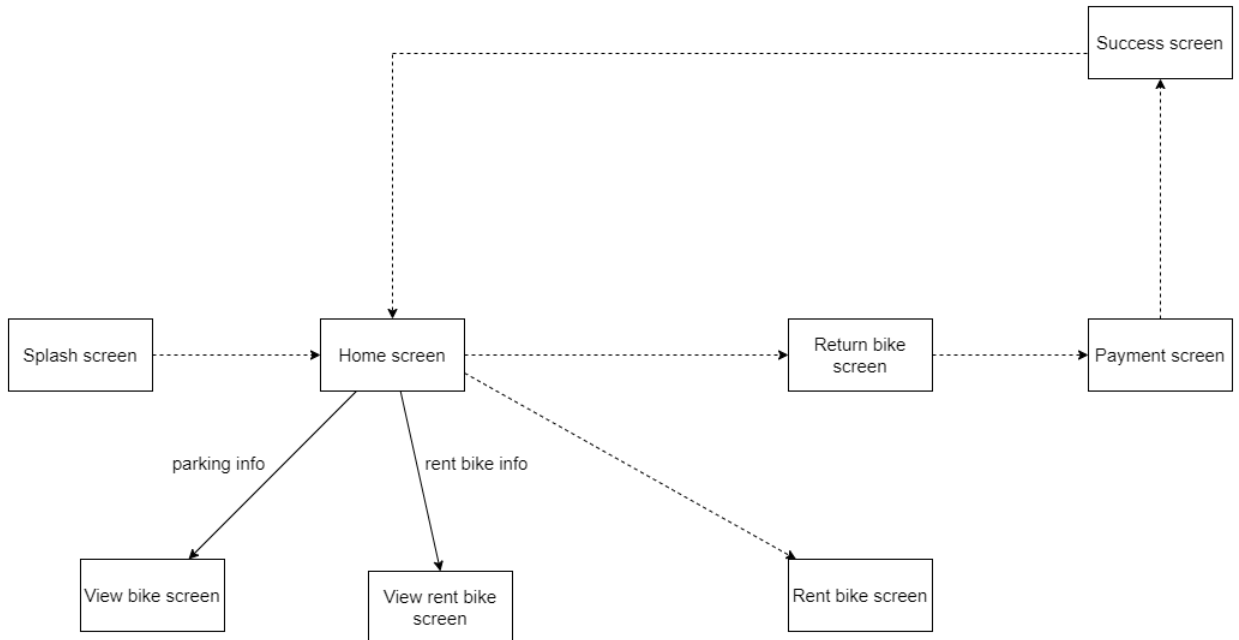
When an error occurs, error notification will be displayed to notify the user about the details of the error.

2. Mockup screens and screen transition

a. Mockup screens:

- Splash screen
- Home screen
- View Bike screen
- Rent Bike screen
- Pay Rent screen
- Success screen

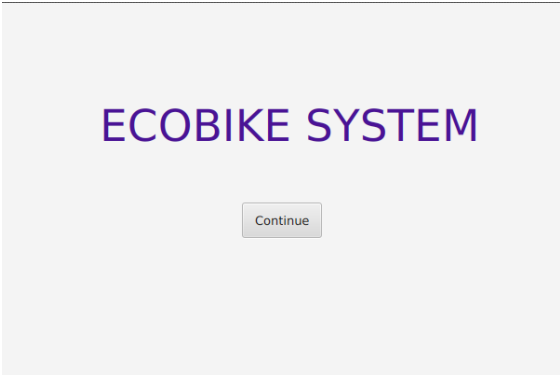
b. Screen transition diagram



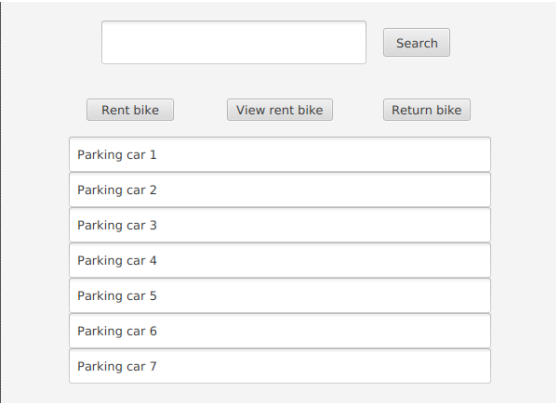
c.

3. Screen specification

a. Splash screen

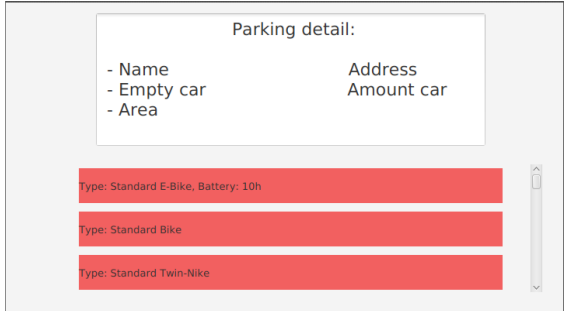
Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Splash screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	
		Area for display system logo	Display	To display the system logo and name	

b. Home screen

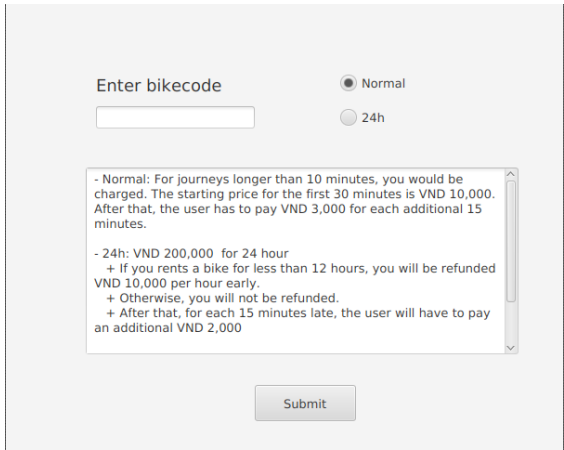
Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Home screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	
		Area for search dock	Input	For the user to enter search keyword	
		Area for displaying a list of dock	Display	Display a list of docks for the user to select.	
		Rent bike button	Click	To start the rent bike process.	
		View rent button	Click	To go to the rent information screen.	
		Return bike button	Click	To go to the return bike screen and start the return bike process.	

c. View Bike screen

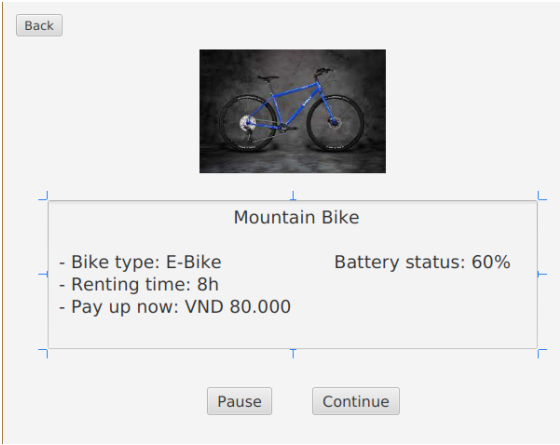
Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen	View bike	09/11/2021			Trần Đức Hiếu

specification	screen				
		Control	Operation	Function	
		Area to display dock information	Display	Display dock detailed information	
		Area to display bike information	Display	Display a scrollable list of bikes with detailed information.	

d. Rent Bike screen

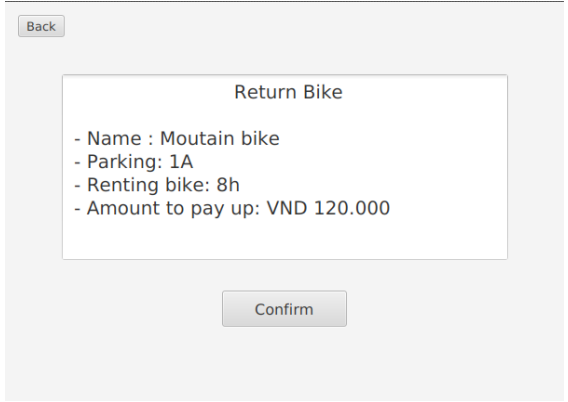
Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Rent bike screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	
		Area for input bikecode	Input	Request the user to input bikecode	
		Area for select rent type	Click	Let the user choose the rent type: 24h or normal.	
		Area for display the rule	Display	Display the explanation of each rent type to the user	
		Confirm button	Click	Confirm the rent information.	

e. View rent bike screen


Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	View rent bike screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	
		Back button	Click	Go back to home screen	
		Area for display rent bike information	Display	Display the user's rent bike with detailed information	
		Pause button	Click	Let the user pause rent bike	
		Continue button	Click	Let the user continue rent bike	

f. Return bike screen

Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Return bike screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	

	Back button	Click	Go back to home screen
	Area for display return bike information	Display	Display the user's rent bike with detailed information
	Confirm button	Click	Let the user confirm return bike

g. Success screen

Ecobike System		Date of creation	Approved by	Reviewed by	Person in charge
Screen specification	Success screen	09/11/2021			Trần Đức Hiếu
		Control	Operation	Function	
		Area for display message	Display	Display payment result message.	
		Oke button	Click	To confirm successful payment and return to the home screen.	

4. Interface design

Subsystem for interbank interface

