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 | |

Defining the field attributes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | View cart | | | |
| 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 |

1. **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 | |

1. **VIEW BIKE INFORMATION SCREEN**

Screen specification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EcobikeRental Software | | Date of creation | Approved by | Reviewed by | Persion in charge |
| Screen specification | View bike information screen | 07/11/2020 |  |  | Dương Thị Huê |
|  | | 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 | 8 | Numeral | Black | Left-justified |
| Barcode | 6 | Numeral | Black | Left justified |
| Type | 100 | Text | Black | Left-justified |
| Remaining time | 50 | Text | Black | Left-justified |
| Battery percentage | 4 | Text | Black | Left-justified |
| Deposit | 6 | Number | Black | Left-justified |
| Coefficient price | 3 | Number | Black | Left-justified |

1. **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 time | initial | Display walking time from 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 | 8 | Numeral | Black | Left-justified |
| Barcode | 6 | Numeral | Black | Left justified |
| Type | 100 | Text | Black | Left-justified |
| Remaining time | 50 | Text | Black | Left-justified |
| Battery percentage | 4 | Text | Black | Left-justified |
| Deposit | 6 | Number | Black | Left-justified |

1. **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 remaining time | Initial | Display remaining time of user | |
| 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 amout | |
|  | | Area for display type | inititial | 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 | 8 | Numeral | red | Left-justified |
| Remaining time | 8 | Hh:mm:ss | black | Left-justified |

**6. 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 | |

***Defining the field attributes***

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

**7. 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 | |

**8. 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 field attributes***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 |