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| Ecobike Software | | Date of creation | Approved by | Reviewed by | Person in charge |
| Screen specification | Scan barcode screen | 3/1/2023 |  |  | Nguyễn Thụ Hiếu |
|  | | Control | Operation | Function | |
| Input scan barcode | Enter Text | Search for bike via barcode | |
| View bike button | Click | View the bike attached to this barcode | |

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| Screen name | Scan barcode |  |  |  |
| Item name | Number of digits (bytes) | Type | Field attribute | Remarks |
| Barcode | 50 | String | Blue | Left-justified |

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| Ecobike Software | | Date of creation | Approved by | Reviewed by | Person in charge |
| Screen specification | View Bike Screen | 3/1/2023 |  |  | Nguyễn Thụ Hiếu |
|  | | Control | Operation | Function | |
| Area for displaying bike info | Initial | Display bike info | |
| Area for action buttons | Click | Perform action rent bike, return bike or pause time | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | View bike screen |  |  |  |
| Item name | Number of digits (bytes) | Type | Field attribute | Remarks |
| Bike name | 50 | String | Blue | Left-justified |
| Type | 20 | Type | Blue | Left justified |
| Status | 20 | String | Blue | Left justified |
| Battery | 3 | Numeric | Blue | Left justified |
| Distance Estimated | 7 | Numeric | Blue | Left justified |
| Renting fee per min | 20 | Numeric | Blue | Left justified |
| Deposit | 20 | Numeric | Blue | Left justified |
| Dock Location | 100 | String | Blue | Left justified |
| License Plate | 100 | String | Blue | Left justified |

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| Ecobike Software | | Date of creation | Approved by | Reviewed by | Person in charge |
| Screen specification | Choose payment method screen | 3/1/2023 |  |  | Nguyễn Thụ Hiếu |
|  | | Control | Operation | Function | |
| Radio button | Click | Choose payment method | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Choose payment method |  |  |  |
| Item name | Number of digits (bytes) | Type | Field attribute | Remarks |
| Payment method | 1 | bool | Blue | Left-justified |

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| Ecobike Software | | Date of creation | Approved by | Reviewed by | Person in charge |
| Screen specification | Cart Info Screen | 3/1/2023 |  |  | Nguyễn Thụ Hiếu |
|  | | Control | Operation | Function | |
| Area for input card info | Enter text | Input card data | |
| Confirm button | Click | Submit card info to system | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Cart Info screen |  |  |  |
| Item name | Number of digits (bytes) | Type | Field attribute | Remarks |
| Card holder name | 50 | String | Blue | Left-justified |
| Card Number | 50 | String | Blue | Left justified |
| Expiration Date | 20 | Date | Blue | Left justified |
| Security Code | 10 | String | Blue | Left justified |

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| Ecobike Software | | Date of creation | Approved by | Reviewed by | Person in charge |
| Screen specification | Payment Screen | 3/1/2023 |  |  | Nguyễn Thụ Hiếu |
|  | | Control | Operation | Function | |
| Area for displaying transaction info | Initial | Display transaction info | |
| Confirm button | Click | Confirm the transaction | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Payment screen |  |  |  |
| Item name | Number of digits (bytes) | Type | Field attribute | Remarks |
| Customer name | 50 | String | Blue | Left-justified |
| Bike name | 20 | String | Blue | Left justified |
| Bike Type | 20 | Type | Blue | Left justified |
| Rental Time | 2 | Numeric | Blue | Left justified |
| Cost | 20 | Numeric | Blue | Left justified |
| Exchange | 20 | Numeric | Blue | Left justified |
| Total | 20 | Numeric | Blue | Left justified |

**List dock screen**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **List dock screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Logo | Click | Return to the main screen immediately | |
| Header | Initial | Display title of screen | |
| List of dock | Initial | Display list of docks | |
| Button | Click | Allow customer to return bike and view dock info | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **Normal order invoice & Rush order invoice screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Dock name | Text | 100 characters | Bold | Left-justified |
| Distance | Digits | 4 digits | Normal | In terms of kms |

* **View dock screen**

|  |  |  |  |  |  |
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| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **View dock screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Logo | Click | Return to the main screen immediately | |
| Header | Initial | Display title of screen | |
| Dock information | Initial | Display dock information | |
| Option pane | Click | Allow customer to return bike | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **View dock Screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Dock name | Text | 100 characters | Bold, italic | Left-justified |
| Bike name |
| Dock address | Text | 100 characters | Normal | Left-justified |
| Dock area | Digits | None | Normal | Colon for thousand separation |
| Total number of docks | Digits | None | Normal | None |
| Number of available bikes |
| Number of available docks |
| Distance to dock | In terms of kms |
| Distance bike can travel |
| Battery | In terms of percentage  Comma for decimal separation  Ends with percentage notation |
| Estimated walking time | In terms of minutes |

***Splash screen***

|  |  |  |  |  |  |
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| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Splash screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Main area | None | Introduce the application | |

***Main screen***

|  |  |  |  |  |  |
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| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Main screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Header logo | Click | Return immediately to main screen | |
| Search bar | Type, select & click | Type in information and select search type to search for docks or bikes | |
| Main area | Initial | Display map at current location of users and nearby docks in term. The pins of docks can be clicked to see docks details | |

***View Dock Screen***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **View Dock screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Logo | Click | Return to the main screen immediately | |
| Header | Initial | Display title of screen | |
| Dock information | Initial | Display dock information | |
| Return bike | Click | Allow user to start return bike process at the dock | |
| Bike list | Click | Display brief details about bikes available in current dock. Allow choosing each bike to see detailed information | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **View dock Screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Dock name | Text | 50 characters | None | Left-justified |
| Bike name |
| Address | Text | 50 characters | None | Left-justified |
| Area | Digits | None | None | Comma for thousand separation |
| Total of docks | Digits | None | None | None |
| Bikes available |
| Docks available |
| Distance | In terms of kms |
| Battery | In terms of percentage  Comma for decimal separation  Ends with percentage notation |
| Time to dock | In terms of minutes |

***Deposit screen***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Payment screen** | 02/01/2023 |  |  |  |
|  | | **Control** | **Operation** | **Function** | |
| Logo | Click | Return to the main screen immediately | |
| Header | Initial | Display title of screen | |
| Information of payment | Initial | Display information of payment | |
| Button | Click | Allow customer confirm to deposit the bike | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **Normal order invoice & Rush order invoice screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Customer name | Text | 50 characters | None | Left-justified |
| Bike rented | Text | 50 characters | None | None |
| Type of bike | Text | 16 characters | None | None |
| Deposit | Digits | None | None | Including subtotal and VAT |