**Screen specifications of EcoBike**

## **Screen configuration**

### **Display**

***Screen resolution:*** 1366x768px

***Number of colors supported:*** 16,177,216 colors

### **Screen**

***Size:*** 1200 x 600px

***Main background color:*** #E5FFCC (R: 229, G: 255, B: 204)

***Location of buttons:*** Bottom center of the frame

***Logo:*** 100x100 px

***Header logo:*** 100x100 px, located top left of the screen

***Header/Screen title:*** System, Regular, 24px, green

***Numbers:*** comma for thousand separation, dot for decimal separation

***Text:*** System, size at most 24px

## **Main screen mockups**

### **Screen transition diagram**

Diagram

Description automatically generated

### **Splash screen**

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

### **Main screen**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Main screen** | 01/01/2023 |  |  | Bien |
|  | | **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** | 01/01/2023 |  |  | Bien |
|  | | **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 | Bold, italic | Left-justified |
| Bike name |
| Dock address | Text | 50 characters | Italic | Left-justified |
| Dock area | Digits | None | Italic | Comma for thousand separation |
| Total number of docks | Digits | None | Italic | 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 |

### **View Bike screen**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **View bike screen** | 01/01/2023 |  |  | Bien |
|  | | **Control** | **Operation** | **Function** | |
| Logo | Click | Return to the main screen immediately | |
| Header | Initial | Display title of screen | |
| Bike information | Initial | Display bike information | |
| Option pane | Click | Allow customer to perform renting, pause or return bike | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **Normal order invoice & Rush order invoice screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Bike name | Text | 50 characters | Bold | Left-justified |
| Type | Text | 16 characters | Italic | None |
| Status | Text | Free/Rented | Italic | None |
| Battery | Digits | 4 digits | Italic | 2 digits after decimal separator |
| Time rented | Digits | None | Italic | In terms of minutes, only appear if the status is Rented |
| Estimated distance bike can go | Digits | 4 digits | Italic | In terms of kms |
| Renting price | Digits | None | Italic | Comma for thousand separation |
| Deposit price | Digits | None | Italic | Comma for thousand separation |
| Current location | Text | 50 characters | Italic | Left-justified |

### **Paying method screen**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **Normal order invoice & Rush order invoice screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| Card holder name | Text | 50 characters | None | Left-justified |
| Card number | Text | 16 characters | None | A valid card number |
| Expiration date | Text | None | None | A valid date |
| Security code | Digits | 4 digits | None | None |

### **Deposit screen**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Payment screen** | 01/01/2023 |  |  | Bien |
|  | | **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** |
| User’s name | Text | 50 characters | None | Left-justified |
| Bike rent | Text | 50 characters | None | None |
| Type of bike rent | Text | 16 characters | None | None |
| Deposit price | Digits | None | None | Including subtotal and VAT |

### **Payment screen**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EcoBike Software** | | **Date of creation** | **Approved by** | **Reviewed by** | **Person in charge** |
| **Screen specification** | **Payment screen** | 01/01/2023 |  |  | Bien |
|  | | **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 | |
| Buttons | Click | Allow customer confirm to pay or update card info | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen** | **Normal order invoice & Rush order invoice screen** | | | |
| **Field name** | **Type** | **Limitation** | **Attribute** | **Remarks** |
| User’s name | Text | 50 characters | None | Left-justified |
| Bike rented | Text | 50 characters | None |  |
| Type of bike rent | Text | 16 characters | None | None |
| Time rent | Text | Free/Rented | None | None |
| Battery | Digits | 4 digits | None | 2 digits after decimal separator |
| Time rented | Digits | None | None | In terms of minutes, only appear if the status is Rented |
| Subtotal | Digits | None | None | Current VND, cost for renting bike |
| Total | Digits | None | None | Including subtotal and VAT |