Screen specification 1. Home Menu Bar

| Eco Bike Rental | Date of creation | Person in charge | | |
|---|---------------------------------|--|------------------|---------------------------|
| Screen Home Menu Bar specification | | | Nguyễn Xuâi | n Hoàng |
| | | Control | Operation | Function |
| Main Screen | Area for viewing Rented Bike | Click | View rented Bike | |
| | | Area for viewing dock | Click | View docks |
| | | Area for viewing renting history | Click | View History |
| | | Area for viewing profile | Click | View Profile |
| hometab + Prented Bike View dock History | Profile | Area for displaying Renting Bike Screen | Click | Request to rent a Bike |

2. Rent Bike Screen

| Eco Bike Rental | Date of creation | Person in cha | urge |
|---------------------------------------|------------------------------|---------------|---|
| Screen Rent Bike Screen specification | 07/11/2020 | Nguyễn Xuâi | ı Hoàng |
| | Control | Operation | Function |
| Main Screen | Area for Scanning Barcode | Initial | Scanning Bike's Barcode |
| × | Area for inputting barcode | Focus | Getting barcode if scanning not working |
| | Area for Escape Screen | Click | Escape the screen |
| Barcode 3jk6ad2 hometab + Profile | | | |

| Screen name | Rent Bike Screen | | | |
|-------------|------------------|--------|-----------------|------------------|
| Item name | Number of digits | Туре | Field attribute | Remarks |
| Barcode | 8 | String | Black | center-justified |

3. Confirm Return Bike Screen

| Eco Bike Rental | Eco Bike Rental | | | | Person in charge | |
|------------------------|--|----------------------------|--|---|------------------|---|
| Screen specification | Screen Confirm Return Bike Screen | | | | Nguyễn Xuâ | ìn Hoàng |
| | | | | Control | Operation | Function |
| Main Screen | | | | | Initial | Displaying Bike barcode |
| ← | ← Bike #3jk6ad2 | | | Area for displaying Renting Information | Initial | Displaying Reting Information |
| Type Start | Rent From | E-Bike 3:00 PM | | Area for displaying total price for renting | Initial | Calculating amount of money for renting |
| | Rented | 3h11m Thanh Xuan | | Return Bike button | Click | Displaying Invoice Screen |
| Card | Card Name Vu Trung Dung | | | Escape Button | Click | Cancel the Return Bike Screen |
| | Card Number 19024705183012 | | | | | |
| | Deposit Amount + 300,000 VND Renting Price - 30,000 VND | | | | | |
| Tota | | + 270,000 VND | | | | |
| hometab + Rented Bike | | N BIKE O History Profile | | | | |

| Screen name | Confirm Return Bike Screen | |
|-------------|-------------------------------|--|
|-------------|-------------------------------|--|

| Item name | Number of digits | Туре | Field attribute | Remarks |
|--------------------|------------------|--------|-----------------|------------------|
| Bike's Barcode | 8 | String | Black, bold | center-justified |
| Bike's Type | 10 | String | Black | Right-justified |
| Start Renting Time | 10 | Time | Black | Right-justified |
| Time Rented | 10 | Time | Black | Right-justified |
| Return to Dock | 50 | String | Black | Right-justified |
| Card name | 50 | String | Black | Right-justified |
| Card Number | 16 | Number | Black | Right-justified |
| Deposit Amount | 50 | String | Green | Right-justified |
| Renting Bike | 50 | String | Red | Right-justified |
| Total | 50 | String | Green | Right-justified |

4. Invoice Screen

| Date of creation | Person in charge | |
|--|---|---|
| 07/11/2020 | Nguyễn Xuân Hoàng | |
| Control | Operation | Function |
| Area for displaying customer Information | Initial | Displaying customer Information |
| Area for payment Information | Initial | Displaying payment Information |
| Area for displaying rented bike | Initial | Displaying details information about rented bike |
| | | |
| Escape Button | Click | Cancel the Return |
| | | Bike Screen |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | Area for displaying customer Information Area for payment Information Area for displaying rented bike | Control Operation Area for displaying customer Information Area for payment Initial Area for displaying rented bike Initial |

| | 1 | 1 | | |
|----------------|------------------|--------|-----------------|------------------|
| Screen name | Invoice Screen | | | |
| Item name | Number of digits | Туре | Field attribute | Remarks |
| Bike's Barcode | 8 | String | Black, bold | center-justified |
| Bike's Type | 10 | String | Black | Right-justified |
| Card name | 50 | String | White | Left-justified |
| Card Number | 16 | Number | White | Left-justified |
| Deposit Amount | 50 | String | Green | Right-justified |
| Renting Bike | 50 | String | Red | Right-justified |

| Subtotal | 50 | String | Green | Right-justified |
|-----------------|----|--------|-------|-----------------|
| Customer's Name | 50 | String | White | Left-justified |
| Created Date | 20 | Date | White | Left-justified |

5. Choose payment method screen

| Eco Bike Rental | | Date of creation | Person in cha | nrge |
|---|------------------------|------------------------------------|------------------------------------|-------------------------|
| creen Home Menu Bar | | 07/11/2020 | Nguyễn Trun | g Nghĩa |
| | | Control | Operation | Function |
| Main Screen ← Choose Pa | ayment Method | Area for choosing ban name | k Click – choose from a list | View list bank |
| Gloose Pe | ayment wethou | Area for entering card number | Click | Fill in card numb |
| ATM CARD | | Area for choosing date | Click – choose from lists | Fill in expiration date |
| Choose bank name | • | Area for entering name on the card | Click | Fill in name on the |
| Expiration date 1/1 Label Enter name on the ca | 1/1999 • ard • PROCEED | Area for sending the for | mclick | Send the form |
| + DRented Bike View dock | History Profile | | | |

6. List dock stations screen

| Eco Bike Rental | | Date of creation | Person in ch | narge | | | | |
|---------------------|-------------------------|--------------------|--------------|-----------------|-----------------|--|-----------|---|
| Screen specifica | Screen Rent Bike Screen | | 07/11/2020 | Nguyễn Tru | ng Nghĩa | | | |
| | | | | | | Control | Operation | Function |
| Main : | | n stations | ; | _ | | Area for search dock station | Click | Find dock by address or name |
| **** | Active of | dock 31/32 | | | | Area for view bike detail | Click | View detail information of bike in station |
| Addre | ess/name | e | | | Q | Area for viewing next o previous page of table | rClick | View table |
| Name AB2 | Total 29/32 | Area(m2) | Time 30m | Distance 5km | Status | Area for displaying the name of dock | Initial | displaying the name of dock |
| AB3 | 29/32 29/33 | 120x120 100x120 | 4m 💍 | | VIEW In used | Area for displaying number of bike in dock | Initial | displaying numb of bike in dock |
| BC2 | 28/33 | 110x100 | 20m | 1km | In used | Area for displaying area of the dock | Initial | displaying area o |
| CA1 | 25/30 | 120x120 110x110 | 10m | 2.3km 1.6km | In used | Area for displaying min time to walk to the dock | Initial | displaying min ti to walk to the do |
| home: | (| W dock | | of 10 4 | Profile | Area for displaying distance from current position to the dock | Initial | displaying distan from current position to the do |
| | | _ | | | | Area for displaying status of the dock | Initial | displaying status the dock |

| Screen name | Rent Bike Screen | | | |
|-------------|------------------|--------|-----------------|----------------|
| Item name | Number of digits | Туре | Field attribute | Remarks |
| Search bar | many | String | Black | Left-justified |

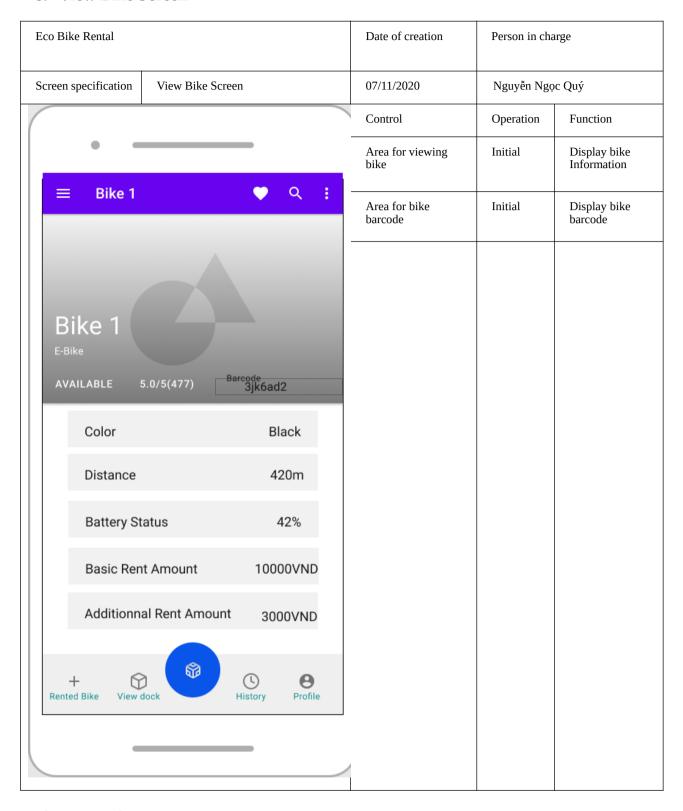
7. View bike in dock station screen

| | | Person in charge | |
|---|---|------------------|--|
| ceen Confirm Return Bike Screen | 07/11/2020 | Nguyễn Tru | ng Nghĩa |
| | Control | Operation | Function |
| Main Screen List bikes | Area for displaying the bikeID or bike code | Initial | displaying the bikeID or bike |
| Avaiable bikes 8/56 | Area for displaying bike type | Initial | displaying bik |
| | Area for displaying rating for that bike | Initial | displaying rat |
| BikelD Type Rating color Distance Status CZ43 standard **** black fixing | Area for displaying color of the bike | Initial | displaying col the bike |
| AK47 Electric **** black 10km (5). DE12 twin **** white 1km in used | Area for displaying battery status of the bike | Initial | displaying bat status of the b |
| USP2 electric **** black 15km avaiable | Area for viewing pages of tables | Click | viewing pages tables |
| AWM1 electric where white 15km (5)- UZ12 standard where black available hometab 1-3 of 10 ← ▶ | Area for displaying maximum distance the bike can go (e-bike) | Initial | displaying maximum dist the bike can g bike |
| + Profile History Profile | | | |

| Screen name | Confirm Return Bike Screen | | | |
|-------------|-------------------------------|--------|-----------------|----------------|
| Item name | Number of digits | Туре | Field attribute | Remarks |
| Bike's ID | 8(max) | String | Black | Left-justified |
| Bike's Type | 10(max) | String | Black | Left-justified |

| Bike's rating | 10(max) | String | Black | Left-justified |
|---------------|---------|-----------------|-------|----------------|
| Bike's status | | String or image | Black | Left-justified |
| Distance | 10(max) | String | Black | Left-justified |

8. View Bike Screen



| Screen name | Rent Bike Screen | | | |
|-------------|------------------|------|-----------------|---------|
| Item name | Number of digits | Туре | Field attribute | Remarks |

| Barcode | 8 | String | Black | center-justified |
|---------------------------|----|--------|-------|------------------|
| Bike Name | 10 | String | Black | Left-justified |
| Bike Type | 10 | String | Black | Left-justified |
| Bike Availability | 10 | String | Black | Left-justified |
| Bike Rating | 10 | Float | Black | Left-justified |
| Bike Color | 10 | String | Black | Right-justified |
| Bike Distance | 10 | Float | Black | Right-justified |
| Bike Battery Status | 10 | Float | Black | Right-justified |
| Basic Rent Amount | 10 | Float | Black | Right-justified |
| Additional Rent Amount | 10 | Float | Black | Right-justified |

9. View Rented Bike Screen

| Eco Bike Rental | Eco Bike Rental | | Person in cha | ırge |
|--------------------------------------|-----------------|----------------------------|---------------|------------------|
| Screen specification View Rented Bik | e Screen | 07/11/2020 | Nguyễn Ngọ | c Quý |
| | | Control | Operation | Function |
| • | | Area for viewing Rented | Initial | View rented bike |
| ≡ Bike 1 | ♥ Q : | Bike | | |
| | | | | |
| | | | | |
| Dileo 1 | | | | |
| Bike 1 | | | | |
| RENTED | | | | |
| Color | Black | | | |
| | | | | |
| Distance Travelled | 420m | | | |
| Battery Status | 42% | | | |
| Time Rented | 4h20m | | | |
| Payment Amount | 420\$ | | | |
| | | | | |
| + Prented Bike View dock | History Profile | | | |
| | | | | |
| | | | | |

| Screen name | Rent Bike Screen | | | |
|-------------|------------------|------|-----------------|---------|
| Item name | Number of digits | Туре | Field attribute | Remarks |

| Bike Name | 10 | String | Black | Left-justified |
|----------------------------------|----|--------|-------|-----------------|
| Bike Type | 10 | String | Black | Left-justified |
| Bike Color | 10 | String | Black | Right-justified |
| Bike Distance Traveled | 10 | Float | Black | Right-justified |
| Bike Remaining Battery Status | 10 | Float | Black | Right-justified |
| Bike Rented Time | 10 | Float | Black | Right-justified |
| Payment Amount Estimated | 10 | Float | Black | Right-justified |

10. Choose Dock To Return Bike Screen

| Eco Bike Rental | | | Date of creation | Person in cha | arge |
|----------------------|---|-------------------|--------------------------------|---------------|--|
| Screen specification | Choose Dock To Re | eturn Bike Screen | 07/11/2020 | Vũ Trung Dũ | ing |
| | | | Control | Operation | Function |
| Main Screen ← | Choose Dock to Return | | Area for Searching for Dock | Fill | Searching for dock to return bike by it's name |
| | n Dock Thanh Xuan Dock Available Seat: 3 | <u>Q</u> | Area for displaying dock | Initial | Showing list of dock with it's available seat for returning bike |
| | Thanh Xuan Dock Available Seat: 3 Thanh Xuan Dock Available Seat: 3 Thanh Xuan Dock | 0 | Area for Pagination | Click | Each list of dock will be scale to pages, and this area is to move between pages |
| | Available Seat: 3 Thanh Xuan Dock Available Seat: 3 Thanh Xuan Dock Available Seat: 3 | 0 | Confirm return bike button | Click | Confirm that user will return bike to that dock and move to confirm return bike screen |
| hometab | 1-3 of 10 CONFIRM RETURN BIKE | Θ | Area for Escape Screen | Click | Escape the screen |
| Rented Bike | View dock History | Profile | | | |

Defining the field attributes

| Item name | Number of digits | Туре | Field attribute | Remarks |
|----------------|------------------|---------|-----------------|----------------|
| Search bar | many | String | Black | Left-justified |
| Dock's name | 50 | String | Black | Left-justified |
| Available Seat | 10 | Number | Black | |
| Dock's Picture | | Picture | | |

11. Confirm Rent Bike Screen

| Eco Bike Rental | | | Date of creation | Person in cha | arge |
|---|-------------------------------|--|---|---------------|---|
| Screen specification | Confirm Re | nt Bike Screen | 07/11/2020 | Vũ Trung Dû | ing |
| | | | Control | Operation | Function |
| Main Screen Rent Bi | ke | | Area for Searching for Dock | Fill | Searching for dock to return bike by it's name |
| Type Barcode Color | E-Bike #3jk6ad2 Black | | Area for displaying Initial Renting Information | Initial | Displaying Initial Renting Information |
| Batery Status Start Rent From Deposit Money | 42% 3:00 PM 300,000 VND | The first 10 minutes rent will not be charged. After 10 minutes, the next 30 minutes will counted as Basic Rent Amount Money | Area for displaying subtotal price before renting | Initial | Calculating amount of money need to deposit before renting bike |
| Basic Rent Amount (| · | For each additional 15 minutes after 40 minutes rent, additional amount will be charged | Proceed Payment Button | Click | Confirm to rent the bike and proceed to Choose Payment Method Button |
| Subtotal PROCEED PA | - 300,000 VND | ок | Basic Rent Amount Info button | Click | Showing Information Popup about Basic Rent Amount |
| + Sented Bike View dock | History Profile | | Additional Rent Amount Info button | Click | Showing Information Popup about Additional Amount |
| | | | Escape Button | Click | Cancel the Confirm Rent Bike Screen |

| Item name | Number of digits | Туре | Field attribute | Remarks |
|----------------|------------------|--------|-----------------|-----------------|
| Bike's Barcode | 8 | String | Black, | Right-justified |
| Bike's Type | 10 | String | Black | Right-justified |

| Bike's Color | 10 | String | Black | Right-justified |
|---------------------------|----|--------|-------|-----------------|
| Batery Status | 4 | String | Black | Right-justified |
| Start Rent From | 10 | Time | Black | Right-justified |
| Deposit Money | 50 | String | Black | Right-justified |
| Basic Rent Amount | 50 | String | Black | Right-justified |
| Additional Rent Amount | 50 | String | Black | Right-justified |
| Subtotal | 50 | String | Red | Right-justified |