

# Liftians Station UI Documentation

A large, light blue watermark of the LIFTIANS logo is centered on the page. It consists of a gear with a human profile inside, positioned above the word "LIFTIANS" in a bold, sans-serif font.

## Scope

This document details the basic functions of the Liftians Station UI (User Interface). Each customer will have a slightly different UI based on the available configurable options. Those specifics are detailed in their respective Software Requirements document tailored to each client. This document is for detailing the basic main features that will be shared across all UIs.



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## 1. Login Screen

### 1.1. The first screen after launching StationUI.exe

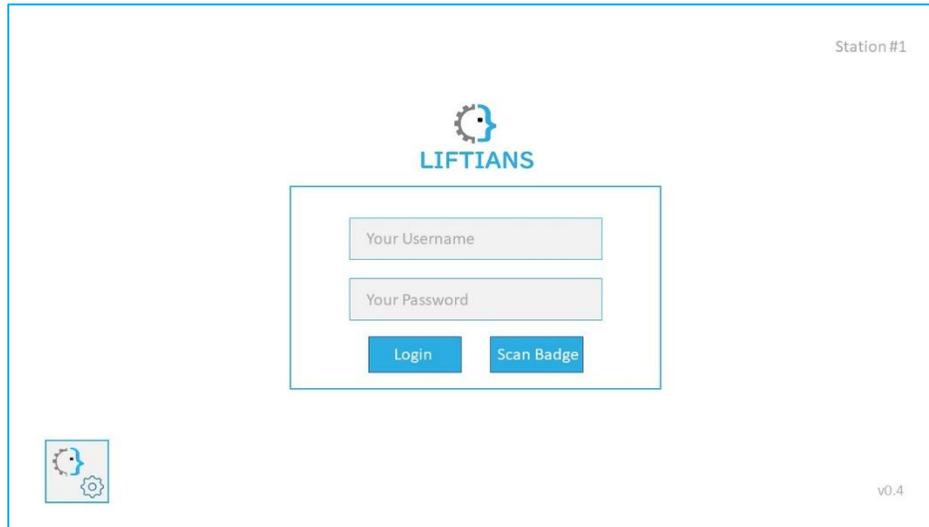


Figure 1

### 1.2. Features (refer to Figure 1)

#### 1.2.1. Station Number

The station number will be displayed at the top right corner. This lets the user know what station they are occupying. This will be displayed on *every* screen within the UI.

#### 1.2.2. Version Number

The current version number of StationUI.exe will be displayed at the bottom right corner. This will help to easily verify if the software is the most up to date version. There is an update feature to keep the software up to date.

#### 1.2.3. Username Field

The user will type in their assigned username (created in administration UI).

#### 1.2.4. Password Field

The user will type in their assigned password (created in administration UI).

#### 1.2.5. Login Button

This button will submit the Username and Password entered for validation.

#### 1.2.6. Scan Badge Button

This button will bring up a box to scan a barcode on an employee badge to login.

#### 1.2.7. Administration Button

This button in the bottom left corner is for advanced admin tasks like System Settings.

## 2. Main Menu Screen

### 2.1. The first screen after logging in to StationUI.exe

#### 2.1.1. Title “Main Menu”

Every screen will have a title displayed at the top left next to the Liftians logo. The first screen after logging in will always be the Main Menu.

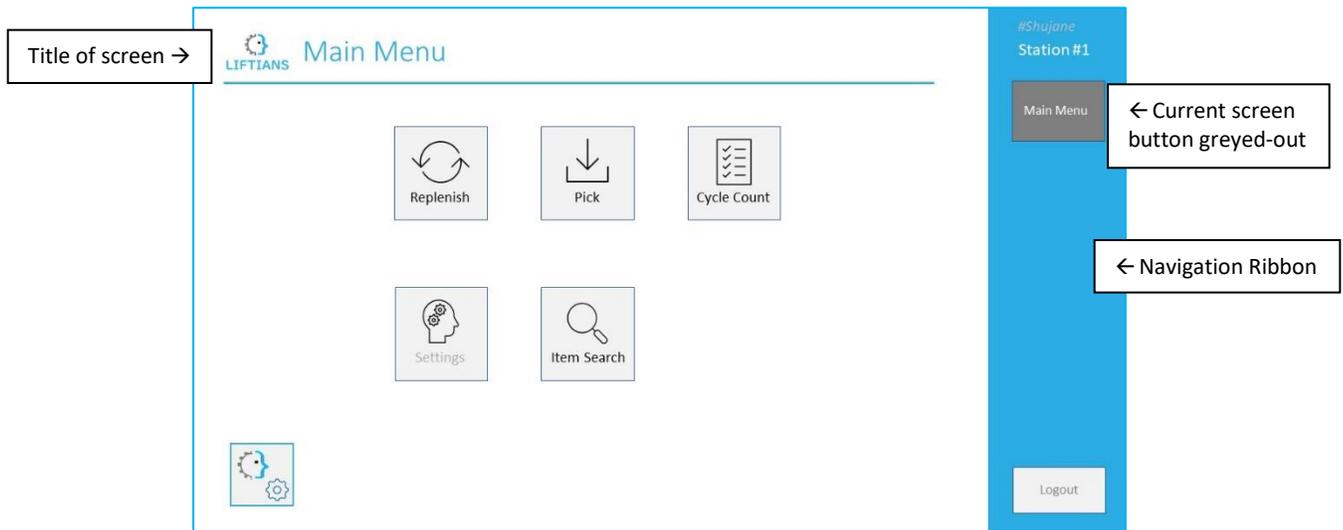


Figure 2

### 2.2. Features (refer to Figure 2)

#### 2.2.1. Username Visible

After logging in and being presented with the Main Menu, the logged in username will be displayed in the top right corner above the station number. This will persist on every screen until the user logs out.

#### 2.2.2. Navigation Ribbon Displayed on the Right Side

A navigation ribbon will be displayed on the right side of every screen after logging in. The navigation buttons will change based on the current screen you are on. The current screen you are on will show as a greyed-out button (that you can't click). In Figure 2 you can see the “Main Menu” button as greyed-out as it is the current screen you are on. The “Main Menu” button and “Logout” buttons will always be visible on every screen after logging in.

#### 2.2.3. Logout Button

This button, like the “Main Menu” button will always be visible on every screen after logging in. This button will log the user out of their current session.

#### 2.2.4. Replenish Button

This button will take you to the Replenishment List screen.

#### 2.2.5. Pick Button

This button will take you to the Pick List screen.

#### 2.2.6. Cycle Count

This button will take you to the Cycle Count screen

#### 2.2.7. Settings Button

This button will take you to the Settings screen. If it is greyed-out, the user doesn't have the permissions to access this screen.

#### 2.2.8. Item Search Button

This button will take you to the Item Search screen.

#### 2.2.9. Administration Button

This button in the bottom left corner is for advanced admin tasks like System Settings. This button is only available on the Login Screen and the Main Menu.



### 3. Picking List Screen

#### 3.1. Title “Picking List”

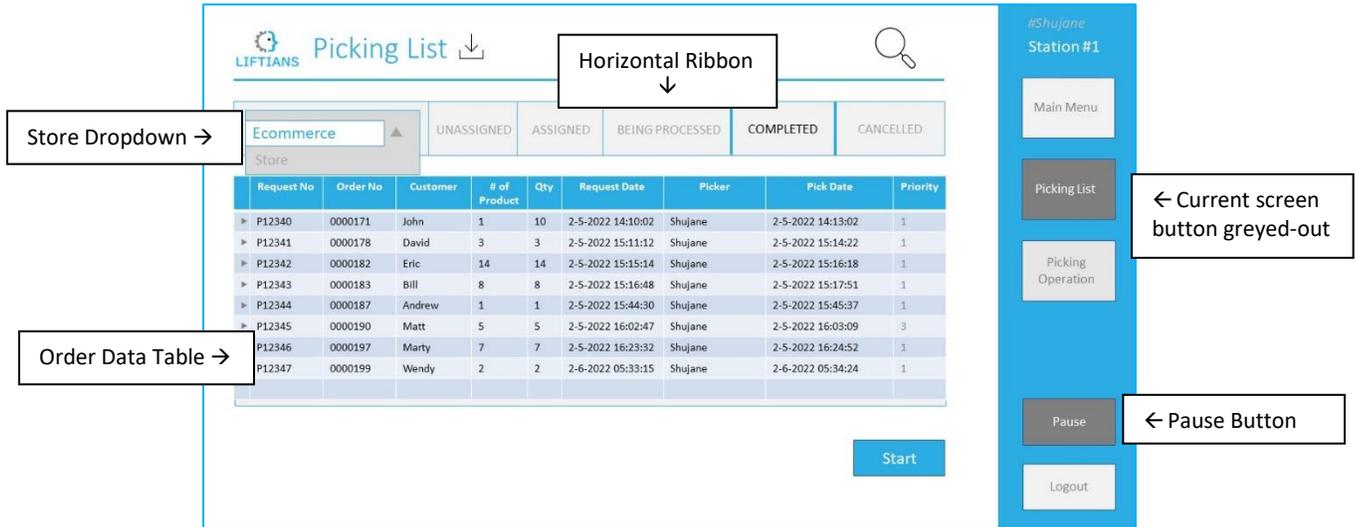


Figure 3

#### 3.2. Features (refer to Figure 3)

##### 3.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Picking List screen. The “Picking List” button is greyed-out as it is the current screen you are on. The next step is Picking Operation. This button is displayed below the “Picking List” button.

##### 3.2.2. Horizontal Status List Ribbon

In both the Picking and Replenishment list screens an Order Status ribbon will be displayed horizontally under the Title of the screen. Orders with different statuses will be listed in the Data Table below, corresponding to which status is selected. “UNASSIGNED” refers to orders that have not been assigned to a station yet. “ASSIGNED” orders have been assigned to a pick/replenish station but have yet to be processed. “BEING PROCESSED” orders are currently being picked at their respective station. “COMPLETED” orders have been picked and fulfilled. “CANCELLED” orders have been rejected at some point before being ASSIGNED.

##### 3.2.3. Store Dropdown Menu (Configurable)

A dropdown menu will appear under the top left Title on the Picking List and Replenishment List screens. This dropdown will let the user select between different types of orders. A business can determine the priority and type for the order.

##### 3.2.4. Order Data Table (Configurable)

The various orders based on the Status List Ribbon selection will be displayed in the Order Data Table. All the salient details related to an order and its status will be displayed in this table. Data such as Request No, Order No, Customer, # of Product, Qty, etc will be displayed. The type of information displayed here can be customized.

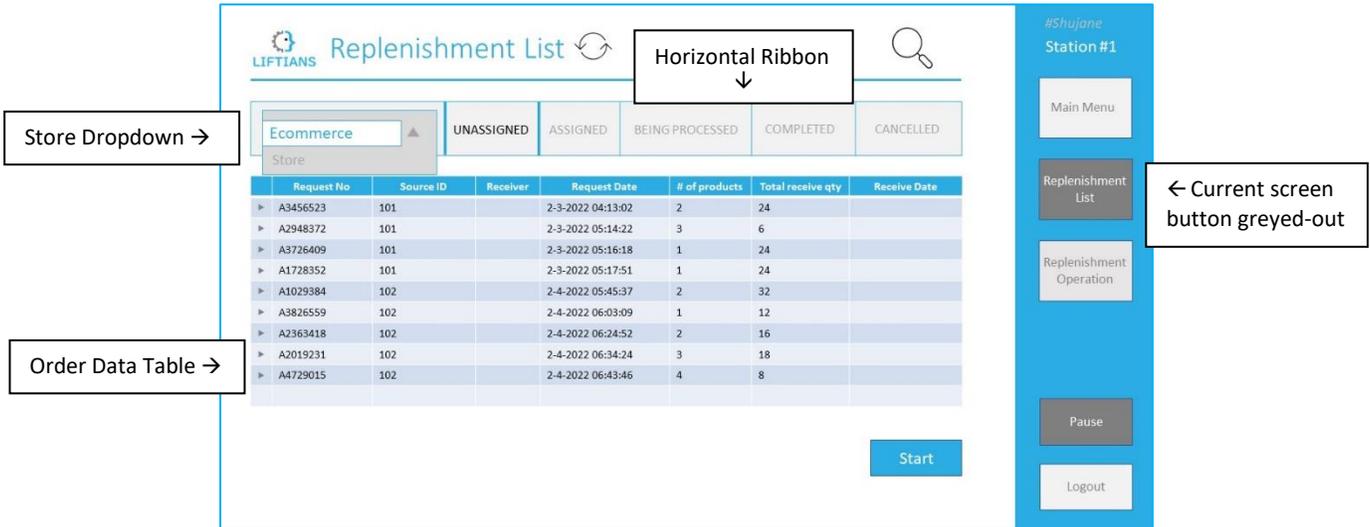
### 3.2.5. Start and Pause Buttons

A “Start” and “Pause” button will appear on the Picking List and Replenishment List screens. The “Start” button is below the data table. The “Pause” button is on the Navigation ribbon and will be greyed-out if the user has not pushed the “Start” button yet. The “Start” button will be greyed-out after pushing it and then the “Pause” button will become activated. Pushing the “Start” button will go to the Picking Operation Screen.



## 4. Replenishment List Screen

### 4.1. Title “Replenishment List”



Request No	Source ID	Receiver	Request Date	# of products	Total receive qty	Receive Date
A3456523	101		2-3-2022 04:13:02	2	24	
A2948372	101		2-3-2022 05:14:22	3	6	
A3726409	101		2-3-2022 05:16:18	1	24	
A1728352	101		2-3-2022 05:17:51	1	24	
A1029384	102		2-4-2022 05:45:37	2	32	
A3826559	102		2-4-2022 06:03:09	1	12	
A2363418	102		2-4-2022 06:24:52	2	16	
A2019231	102		2-4-2022 06:34:24	3	18	
A4729015	102		2-4-2022 06:43:46	4	8	

Figure 4

### 4.2. Features (refer to Figure 4)

#### 4.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Replenishment List screen. The “Replenishment List” button is greyed-out as it is the current screen you are on. The next step is Replenishment Operation. This button is displayed below the “Replenishment List” button.

#### 4.2.2. Horizontal Status List Ribbon

In both the Picking and Replenishment list screens an Order Status ribbon will be displayed horizontally under the Title of the screen. Orders with different statuses will be listed in the Data Table below, corresponding to which status is selected.

#### 4.2.3. Store Dropdown Menu (Configurable)

A dropdown menu will appear under the top left Title on the Picking List and Replenishment List screens. This dropdown will let the user select between different types of orders.

#### 4.2.4. Order Data Table (Configurable)

The various orders based on the Status List Ribbon selection will be displayed in the Order Data Table. All the salient details related to an order and its status will be displayed in this table. Data such as Request No, Order No, Customer, # of Product, Qty, etc will be displayed. The type of information displayed here can be customized.

#### 4.2.5. Start and Pause Buttons

The “Pause” button will be greyed-out if the user has not pushed the “Start” button yet. Pushing the “Start” button will go to the Replenishment Operation Screen.

## 5. Picking Operation Screen

### 5.1. Title “Picking Operation”

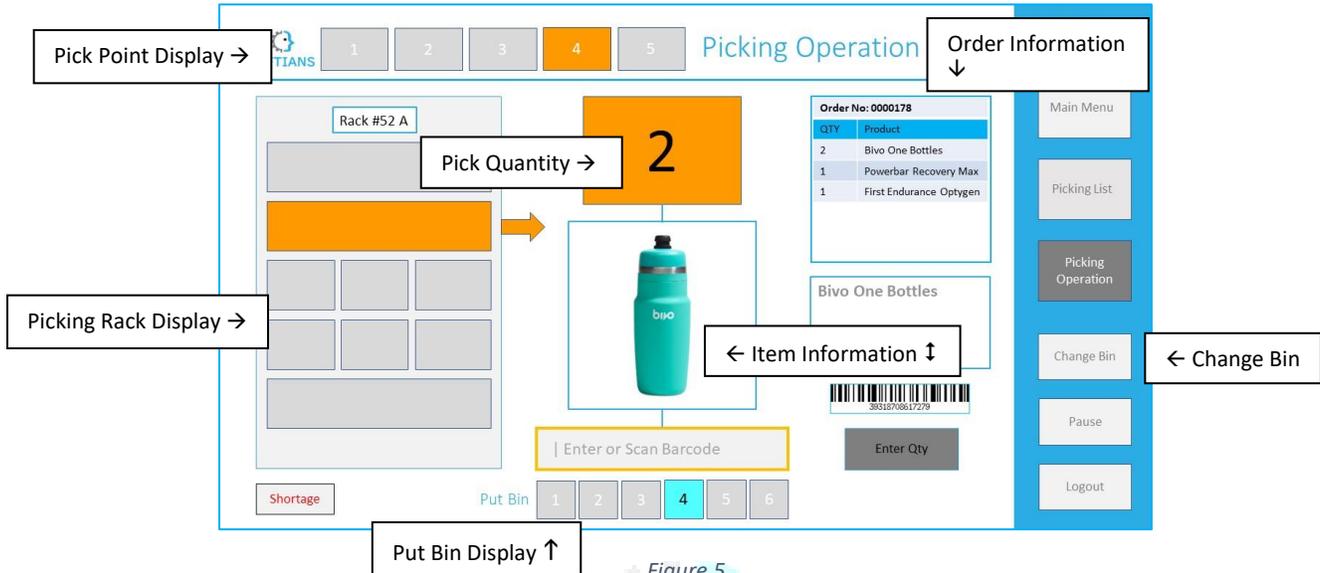


Figure 5

### 5.2. Features (refer to Figure 5)

#### 5.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Picking Operation screen. The “Picking Operation” button is greyed-out as it is the current screen you are on. A “Change Bin” button is now above the “Logout” button. This allows the user to assign a new picking bin to the order if the previous one becomes full. A prompt to scan the new bin’s barcode will appear when “Change Bin” is pressed.

#### 5.2.2. Picking Rack Display

The current rack for picking will be displayed on the left side of the screen. A visual representation of the rack layout will be generated based on the rack topography (number of tiers, number of containers on a tier). The rack number and face will be displayed at the top of the rack (in Figure 5 we see “Rack #52 A”). The current pick location will be specifically highlighted at the rack location. The color of the highlighted rack tier will match the physical color of that tier on the rack (tier 4 is orange, tier 2 is blue etc.). The number of picks for that item will be displayed in the center of the screen with a large clear number also highlighted with the tier color.

#### 5.2.3. Pick Point Display (Configurable)

Depending on the number of pick points per station, the pick point will be highlighted above the Picking Rack Display image. In the case of Figure 5, we see pick point 4 is where we should find Rack #52 A where we will pick 2 items from orange tier 4. The pick point location and number are highlighted green to make clear which rack to pick from.

#### 5.2.4. Item Information Display

Information about the product to be picked will be displayed in three areas. The area in the middle under the Quantity Box will show an image of the product. Directly to the right of the image will be a short product description. Below the description will show the corresponding product barcode.

#### 5.2.5. Put Bin Display (Configurable)

The current put bin location will be displayed for where to put the picked product. The user will need to push the put to light button to confirm the put process and move on to picking the next product.

#### 5.2.6. Order Information Table

This table will show the current order you are picking for. The order number can change from pick to pick and eventually a whole order will be picked once all the racks needed are picked from.

#### 5.2.7. Pause Button

This button will pause the current task.

#### 5.2.8. Enter or Scan Barcode Field

This field will be active upon entering the Operation screen. It allows for immediate picking and scanning of the first product to be picked.

#### 5.2.9. Enter Qty Button

If a quantity to be picked is larger than the threshold (set by customer), this button will become active to override the scanning of each individual item. For instance an order asks for 20 quantity, instead of scanning all 20, this button can be pushed after scanning the first item and the remaining 19 will be automatically picked in the system and we will trust the picker to actually pick the correct quantity.

#### 5.2.10. Shortage Button

If there is a variance of physical product on the shelf that does not meet the picking quantity criteria, the user can push this button to note a shortage on the rack. This will close the order as short with the remaining quantity still waiting to be picked. A replenishment task for the remaining pick items will be created (minimum replenishment logic can be set i.e. Item X gets replenished with Y amount of product).

#### 5.2.11. Change Bin Button

If a bin for an order becomes to full to add more picked product, the user can push the "Change Bin" button to assign a new bin to the order. They will scan the barcode of the new bin to be assigned to the order. Now two bins will be assigned to this order to be packed.

## 6. Replenishment Operation Screen

### 6.1. Title “Replenishment Operation”

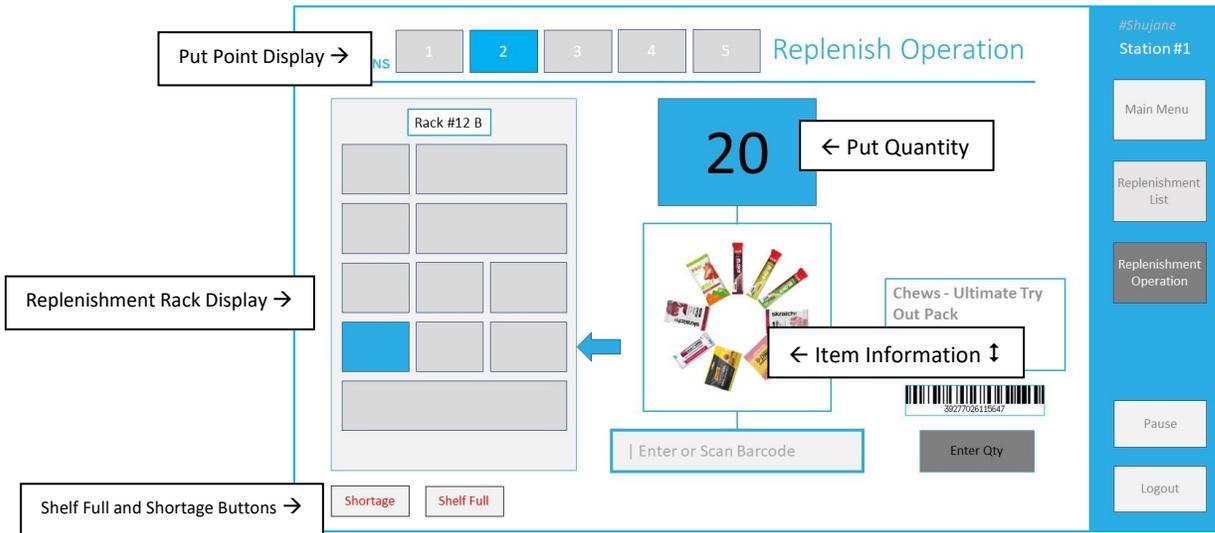


Figure 6

### 6.2. Features (refer to Figure 6)

#### 6.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Replenishment Operation screen. The “Replenishment Operation” button is greyed-out as it is the current screen you are on. A “Pause” button is now above the “Logout” button. This allows the user to pause the task.

#### 6.2.2. Replenishment Rack Display

The current rack for replenishment will be displayed on the left side of the screen like in the Pick Operation screen. The tier and container to be replenished will be highlighted with that tier’s color and the specific container will be the only container highlighted on that tier.

#### 6.2.3. Put Point Display (Configurable)

Depending on the number of put points per station, the put point will be highlighted above the Replenishment Rack Display image. In the case of Figure 6, we see put point 2 is where we should find Rack #12 B where we will put 20 items into blue tier 2. The put point location and number are highlighted green to make clear which rack to put to.

#### 6.2.4. Item Information Display

Information about the product to be picked will be displayed in three areas. The area in the middle under the Quantity Box will show an image of the product. Directly to the right of the image will be a short product description. Below the description will show the corresponding product barcode.

#### 6.2.5. Pause Button

This button will pause the current Replenishment Operation.

#### 6.2.6. Enter or Scan Barcode Field

This field will be active upon entering the Operation screen. It allows for immediate picking and scanning of the first product to be put in the rack for replenishment.

#### 6.2.7. Qty Override Button

If a quantity to be put is larger than the threshold (set by customer), this button will become active to override the scanning of each individual item. For instance an order asks for 20 quantity, instead of scanning all 20, this button can be pushed after scanning the first item and the remaining 19 will be automatically put in the system and we will trust the picker to actually put the correct quantity.

#### 6.2.8. Shortage Button

If the quantity asked for during a replenishment operation does not match the quantity on-hand at the time of the replenishment operation, the user can push the “Shortage” button to indicate a shortage in replenishment quantity.

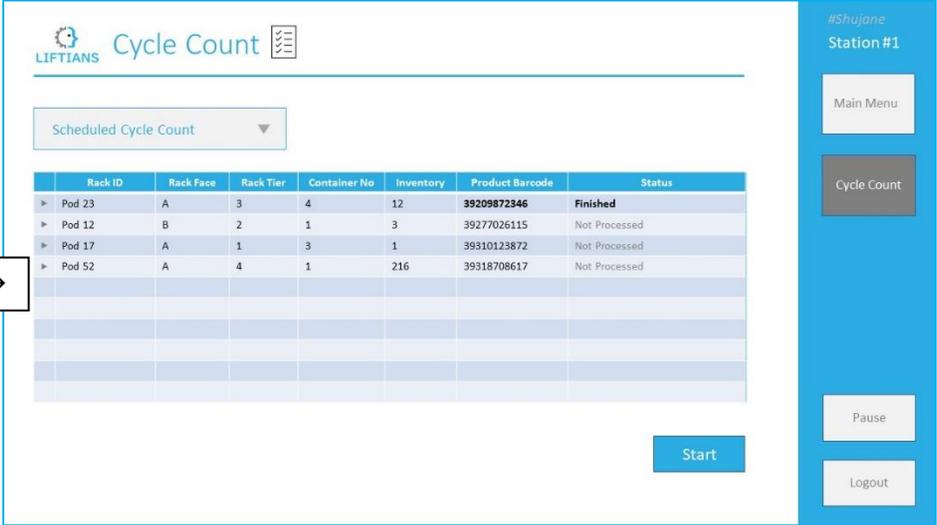
#### 6.2.9. Shelf Full Button

If the user cannot physically put anymore product into the indicated replenishment container, this button can be pressed to stop the replenishment operation short.



## 7. Cycle Count Screen

### 7.1. Title “Cycle Count”



#Shujane  
Station #1

Main Menu

Cycle Count

Pause

Logout

Start

Rack ID	Rack Face	Rack Tier	Container No	Inventory	Product Barcode	Status
Pod 23	A	3	4	12	39209872346	Finished
Pod 12	B	2	1	3	39277026115	Not Processed
Pod 17	A	1	3	1	39310123872	Not Processed
Pod 52	A	4	1	216	39318708617	Not Processed

Cycle Count Table →

Figure 7

### 7.2. Features (refer to Figure 7)

#### 7.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Cycle Count screen. The “Cycle Count” button is greyed-out as it is the current screen you are on. A “Pause” button is now above the “Logout” button. This allows the user to pause the task.

#### 7.2.2. Cycle Count Table

This table will show scheduled cycle counts that need to be performed.

## 8. Item Search Screen

### 8.1. Title “Item Search”

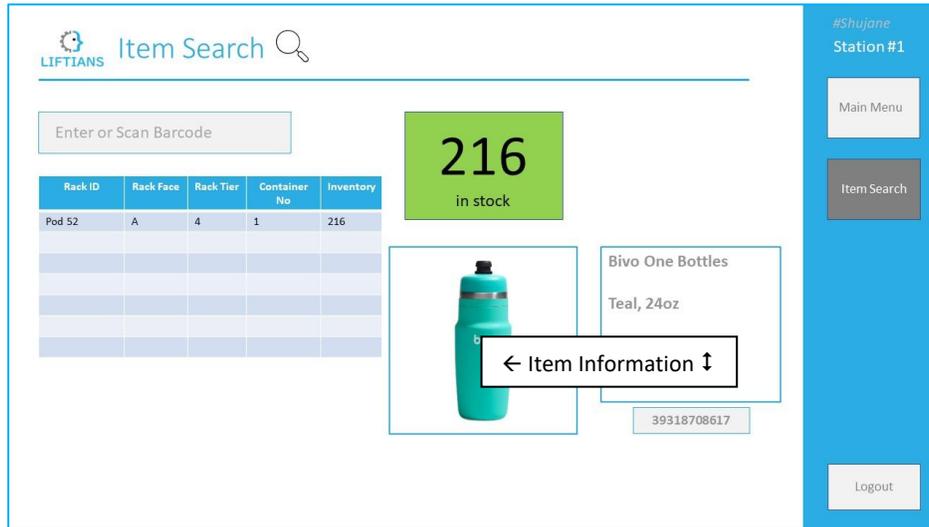


Figure 8

### 8.2. Features (refer to Figure 8)

#### 8.2.1. Navigation Ribbon

The navigation Ribbon has been updated to reflect being on the Item Search screen. The “Item Search” button is greyed-out as it is the current screen you are on.

#### 8.2.2. Item Search Table

This table will reflect the information on the item queried. The product location and quantity in inventory will be displayed.

#### 8.2.3. Enter or Scan Barcode Field

This field will be active upon entering the Item Search screen. It allows for immediate scanning of the first product to search for. Alternatively, the user can type in the barcode or SKU.

#### 8.2.4. Item Information Display

Information about the product queried will be displayed in three areas. The area in the middle under the Quantity Box will show an image of the product. Directly to the right of the image will be a short product description. Below the description will show the corresponding product barcode.