

AI FARM ROBOTICS

Inventory Custodian

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Project Overview

AI Farm Challenges and Solutions

Current Challenges:

Inaccurate Data: Issues with tracking components in each lab.

Equipment Flow: Difficulty monitoring the movement of equipment.

Disorganized Inventory: Inventory management is inefficient and chaotic.

Proposed Solutions:

Implement an Inventory Management System: Streamline stock management for better accuracy.

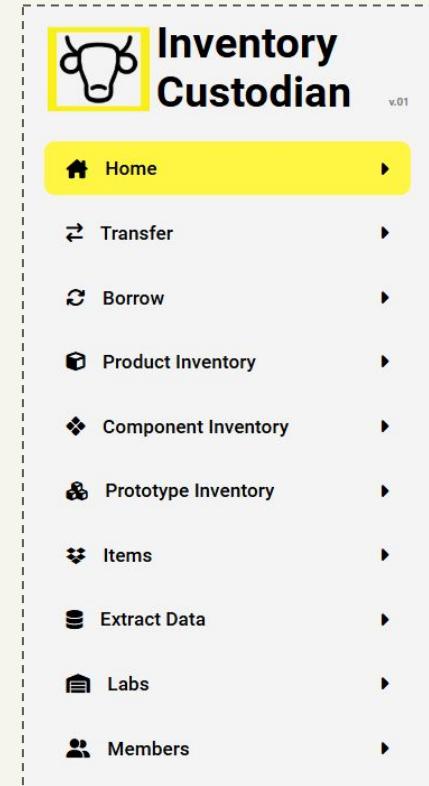
Enhance Collaboration Among Labs: Foster teamwork to share resources and information effectively.

Reorganize Inventory: Create a more structured approach to inventory management for improved efficiency.

Functionalities

for Inventory Custodian System

- **Home:** A dashboard for tracking transactions, lab updates, and notifications.
- **Transfer:** Facilitate the movement of equipment and components between labs.
- **Borrow:** Allow users to request and track borrowed items from other labs.
- **Product Inventory, Component Inventory, Prototype Inventory:** Manage and monitor stock levels in the main warehouse.
- **Items:** General list and management of all items within the inventory system.
- **Extract Data:** Export all item transactions from one inventory to another in Excel format.



System Instructions

Home: Page layout

Use case: Track transactions, lab updates, and notifications.

Home

Inventory Custodian v.01

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name
User Position

☰ Hello USER 🌟, 🔔

Recent Transactions

Borrow

Digital oscilloscope
Rejected ID: 9

1 hour ago

Borrow

3D Printer
Returned ID: 8

2 hours ago

Transfer

3D Printer
Picked Up ID: 7

4 hours ago

Transfer

3D Printer
Rejected ID: 6

6 hours ago

Lab Recently Update

Admin Office New

Latest Notification

Admin Office - Accountant
officially approved a request to create a new project for AUTOBOTX
2 hours ago

Robotics Lead
finished GR-1 AlgoBot project, successfully completing all development milestones.
1 day ago

UAVx - Senior Engineer
requested new project focused on drone technology, initiating the planning and

In this container, you will see all recent item transactions, including both transfers and borrows.

If you want to see more information please click on each item to view its details. (Result: Page 7)

Under Development

After clicking on the item in Recent Transactions on the Home page. (Page 6)

The page will change to either the Transfer or Borrow page depending on the item you clicked on. On this page, we can see information about item transactions, such as the item name, transaction type (Borrow or Transfer), the source and destination labs, quantity, etc.

Inventory Custodian v.01

- Home
- Transfer**
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name: [Placeholder]

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup **History**

< Back **Line printer** Transfer Request ID: 3 Request By: Admin USER

From Lab:	Inventory:	To Lab:	Inventory:	Quantity:
Admin Office	Main Inventory	UAVx	UAVx Inventory	10

Purpose: Project CCC

*Approved and Picked Up to UAVx

Requested: Dec 04, 2024 Approved: Dec 04, 2024 Picked Up: Dec 04, 2024

Transfer: Page layout

Use case: Facilitate the movement of equipment and components between labs.

A transfer transaction occurs when three key steps are fulfilled: 1. Create request, 2. Approve request and 3. Pick up the item.

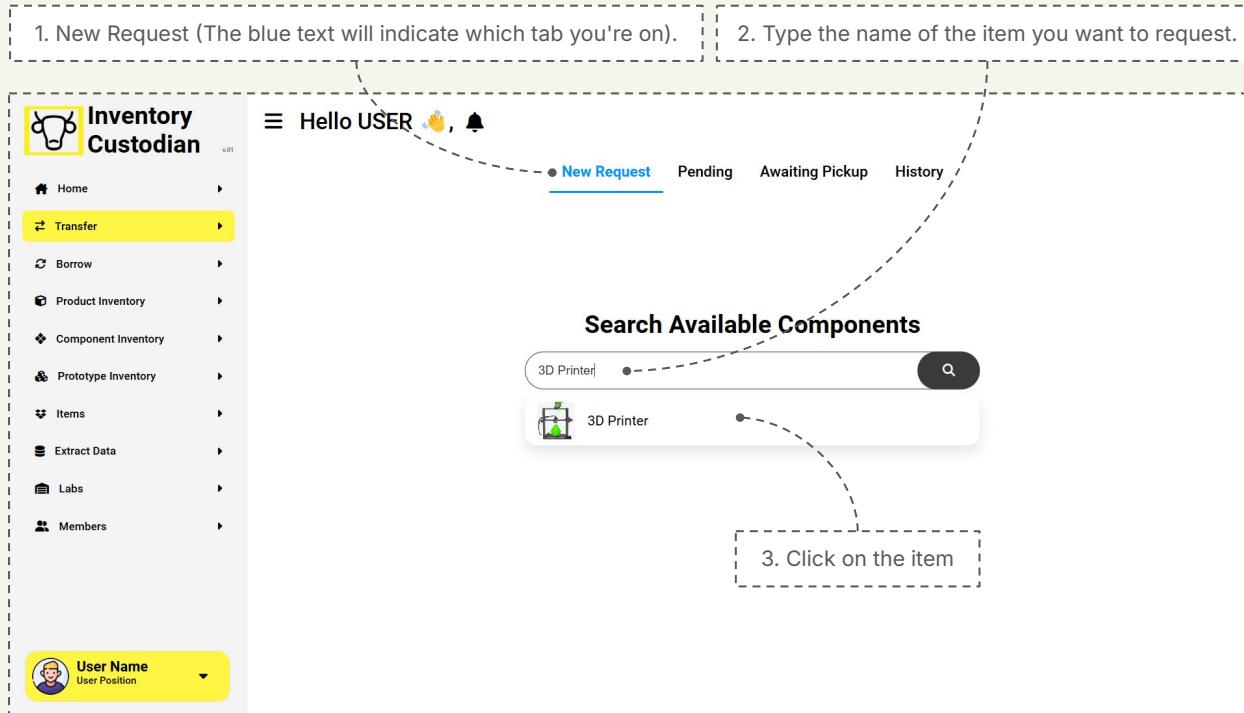
The screenshot displays the 'Inventory Custodian' application interface. A dashed box labeled 'Transfer' highlights the left sidebar and the main content area. The sidebar menu includes:

- Home
- Transfer** (highlighted in yellow)
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

The main content area features a header 'Hello USER 🙌, 🔔' with a bell icon. Below the header are navigation tabs: **New Request** (underlined), Pending, Awaiting Pickup, and History. A search bar with the placeholder 'Search...' and a magnifying glass icon is positioned below the tabs. The central area is titled 'Search Available Components'.

Transfer: 1. Create request

Three smaller steps to create a transfer request are: 1. Click on New Request tab, 2. Type the name of the item, and 3. Click on the desired item.



Transfer: 1. Create request - Request form

How to fill out the create request form.

Select the Lab and Inventory to request the item from.

Select the Lab and Inventory to request the item for.

Note: The lab's inventories depend on the lab's projects. If the lab has multiple inventories, it means there is one inventory for each project. However, if the lab has no projects, there is only one inventory, which is the lab's general inventory.

Input quantity of item that you want to transfer.

Provide the reasons or purposes for making this request.

After filling in all this information, please click 'Request' to submit your request. (Result: Page 11)

Inventory Custodian v.01

Hello USER 🎉, 🔔

New Request Pending Awaiting Pickup History

From Lab: Admin Office Inventory: Main Inventory To Lab: CTO Office Inventory: CTO Office Inventory Quantity: 1

Purpose:
Please write your message here

Discard Request

Transfer: 2. Approve request

Steps to approve or reject a transfer request.

After clicking "Request" (Page 10) it will automatically change to "Pending" tab.

New Request Pending Awaiting Pickup History

Sort Feature

User Name User Position

Transfer Request

Item	Status	Pending ID
3D Printer	Pending	ID: 13
LattePanda 3	Pending	ID: 12
Heat Gun	Pending	ID: 11

To Approve or Reject the request please click on the desired item. (Result: Page 12)

Transfer: 2. Approve request

On this page, we can view all the information related to the request and decide whether to reject it if the request does not make sense or approve it if all the requirements and reasons are valid.

Inventory Custodian v.01

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup History

From Lab: To Lab: Transfer Request ID: 6
Inventory: Inventory: Request By: Admin USER

Transfer Request ID: 6
Request By: Admin USER

From Lab: Admin Office To Lab: CTO Office

Inventory: Main Inventory Inventory: CTO Office Inventory

Quantity: 1

Request Date: 12/06/2024

Purpose:

Project AAA

User Name User Position

Reject Approve

Transfer: 3. Pick up the item

Steps to confirm that an item has been picked up.

After clicking "Approve" (Page 12) it will automatically change to "Awaiting Pickup" tab.

To confirm that the item has been picked up, please select the item that has already been picked up and click the "Pick Up" button. (Page 14)

We can also click this shortcut button to confirm.

Note: "Awaiting Pickup" in Transfer is used to confirm that an item has already been moved from one location to another.

Transfer: 3. Pick up the item

In this page, we can see all the information related to the transfer request. We can either click "Cancel" if the request is approved but later canceled by the requester or click "Pick Up" if the item has been picked up by the requester.

Inventory Custodian v.01

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name: [User Position]

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup History

Transfer Request ID: 7
Request By: Admin USER

From Lab: Admin Office Inventory: Main Inventory To Lab: CTO Office Inventory: CTO Office Inventory Quantity: 1

3D Printer

Request Date: 12/06/2024

Purpose:
dew

Cancel Pickup

The screenshot displays the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer (which is highlighted), Borrow, Product Inventory, Component Inventory, Prototype Inventory, Items, Extract Data, Labs, and Members. Below the sidebar is a user profile section with a placeholder 'User Name' and 'User Position'. The main content area has a header 'Hello USER 🙌, 🔔' and tabs for New Request, Pending, Awaiting Pickup (which is underlined in blue), and History. A sub-header '3D Printer' is shown above a table with columns: From Lab, Inventory, To Lab, Inventory, and Quantity. The table rows show Admin Office as the From Lab and Main Inventory as the Inventory. The To Lab is CTO Office, and the Inventory is CTO Office Inventory, with a quantity of 1. Below the table are three circular icons representing the items: a green 'XG' logo, a 3D printer, and a yellow cow head. At the bottom, there's a 'Request Date' field set to 12/06/2024, a 'Purpose' field containing 'dew', and two buttons: 'Cancel' (red) and 'Pickup' (green).

Transfer: History - Page Layout

After clicking "Cancel" or "Pick Up," the system will automatically switch to the "History" tab. On this page, we can view all transfer transactions, including canceled, rejected, and approved requests.


**Inventory
Custodian**
v.01

☰ Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup **History**


3D Printer
Picked Up ID: 7
10 minutes ago


3D Printer
Rejected ID: 6
1 hour ago


Microscope
Picked Up ID: 5
2 days ago


Line printer
Picked Up ID: 3
2 days ago

We can click on each transaction to view its details. (Result: Page 16)

Note: "History" is used to store all transfer transactions, including those that are rejected, canceled, or picked up.

User Name
User Position

Confidential

Copyright ©

Transfer: History detail

In this page, shows the transfer request details, such as the request date, approval date, and pickup date, as well as the purpose of the transfer. This helps in tracking and managing the movement of equipment between different labs for various projects.

 **Inventory Custodian** v.01

Hello USER 🙌, 🔔

[Home](#)

[Transfer](#) (highlighted)

[Borrow](#)

[Product Inventory](#)

[Component Inventory](#)

[Prototype Inventory](#)

[Items](#)

[Extract Data](#)

[Labs](#)

[Members](#)

User Name ▼

New Request Pending Awaiting Pickup **History**

Transfer Request ID: 7
Request By: Admin USER

From Lab: To Lab: Inventory: Quantity:

Admin Office	Main Inventory	CTO Office	CTO Office Inventory	1
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3D Printer

Back

*Approved and Picked Up to CTO Office

Purpose: Requested: Dec 06, 2024 Approved: Dec 06, 2024 Picked Up: Dec 06, 2024

dew

Borrow: Page layout

Use case: Allow users to request and track borrowed items from other labs.

A borrow transaction occurs when four key steps are fulfilled: 1. Create request, 2. Approve request, 3. Pick up the item and 4. Borrowing

The screenshot shows the 'Inventory Custodian' web application interface. A dashed box highlights the 'Borrow' section. A yellow callout box labeled 'Borrow' points to the 'Borrow' menu item in the sidebar. The main content area displays a navigation bar with 'Hello USER' and a bell icon, followed by tabs for 'New Request', 'Pending', 'Awaiting Pickup', 'Borrowing', and 'History'. Below the tabs is a search bar with the placeholder 'Search...' and a magnifying glass icon. The central area features a heading 'Search Available Components' and a large empty space for listing components.

Inventory Custodian v.01

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup Borrowing History

Borrow

Home Transfer Borrow Product Inventory Component Inventory Prototype Inventory Items Extract Data Labs Members

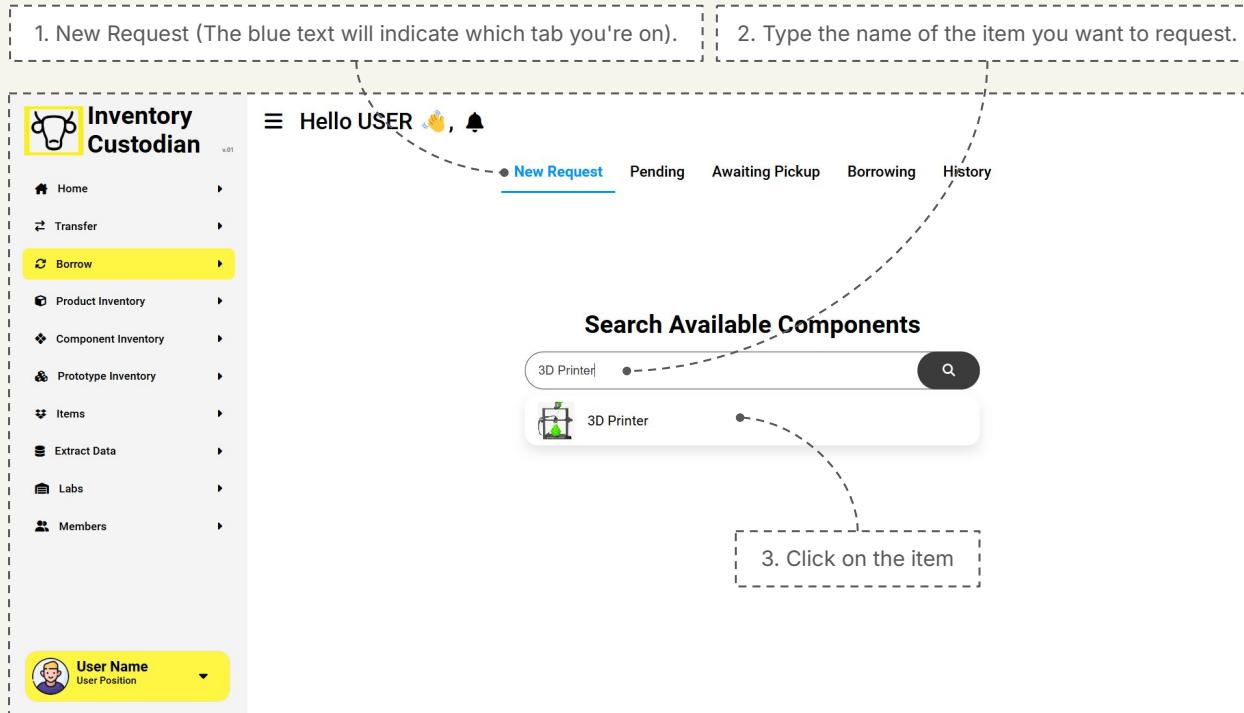
User Name User Position

Search Available Components

Search...

Borrow: 1. Create request

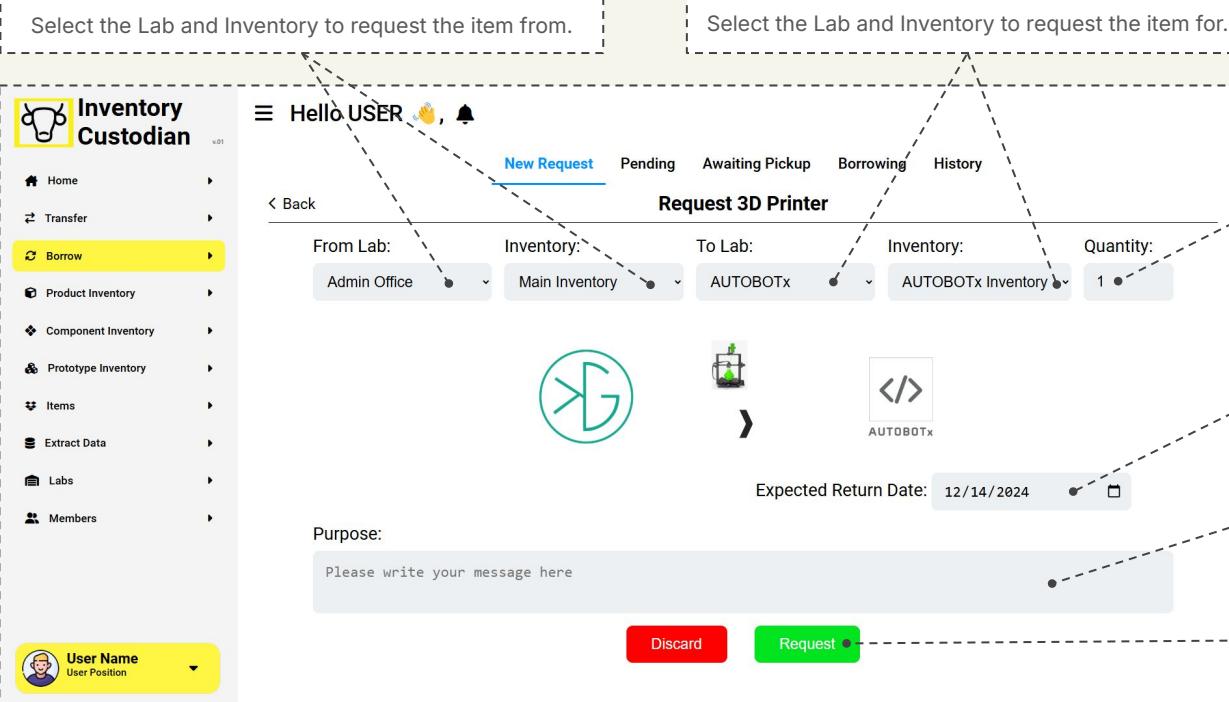
Three smaller steps to create a transfer request are: 1. Click on New Request tab, 2. Type the name of the item, and 3. Click on the desired item.



Borrow: 1. Create request - Request form

How to fill out the create request form.

Select the Lab and Inventory to request the item from.



Select the Lab and Inventory to request the item for.

Note: The lab's inventories depend on the lab's projects. If the lab has multiple inventories, it means there is one inventory for each project. However, if the lab has no projects, there is only one inventory, which is the lab's general inventory.

Input quantity of item that you want to borrow.

Provide the date that the item would return to the original place.

Provide the reasons or purposes for making this request.

After filling in all this information, please click 'Request' to submit your request. (Result: Page 20)

Borrow: 2. Approve request

Steps to approve or reject a transfer request.

After clicking "Request" (Page 19) it will automatically change to "Pending" tab.

The screenshot shows the Inventory Custodian software interface. On the left is a sidebar with a yellow header 'Inventory Custodian' and a user icon. The sidebar menu includes: Home, Transfer, Borrow (which is highlighted with a yellow background), Product Inventory, Component Inventory, Prototype Inventory, Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a yellow box containing 'User Name' and 'User Position'. The main area has a header 'Hello USER' with a hand icon and a bell icon. Below the header are tabs: New Request, Pending (which is blue and underlined), Awaiting Pickup, Borrowing, and History. A 'Sort Feature' dropdown is on the right. The central part is titled 'Borrow Request' and shows a card for a '3D Printer' from 'AUTOBOTY' with ID 8, pending approval. A dashed arrow points from this card to a callout box. The callout box contains the text: 'To Approve or Reject the request please click on the desired item. (Result: Page 21)'.

Borrow: 2. Approve request

On this page, we can view all the information related to the request and decide whether to reject it if the request does not make sense or approve it if all the requirements and reasons are valid.

Inventory Custodian v.01

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup Borrowing History

From Lab: Inventory: To Lab: Inventory: Quantity:

CTO Office CTO Office Inventory AUTOBOTx AUTOBOTx Inventory 1

Borrow Request ID: 8
RequestBy: Admin USER

From Lab: Inventory: To Lab: Inventory: Quantity:

CTO Office CTO Office Inventory AUTOBOTx AUTOBOTx Inventory 1

Request Date: 12/06/2024 Expected Return Date: 12/07/2024

Purpose:
Project BBB

User Name User Position

Reject Approve

Borrow: 3. Pick up the item

Steps to confirm that an item has been picked up.

After clicking "Approve" (Page 21) it will automatically change to "Awaiting Pickup" tab.

To confirm that the item has been picked up, please select the item that has already been picked up and click the "Pick Up" button. (Page 23)

We can also click this shortcut button to confirm.

Note: "Awaiting Pickup" in Borrow is used to confirm that an item has already been moved from one location to another.

Borrow: 3. Pick up the item

In this page, we can see all the information related to the borrow request. We can either click "Cancel" if the request is approved but later canceled by the requester or click "Pick Up" if the item has been picked up by the requester.

Inventory Custodian

- Home
- Transfer
- Borrow**
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name: [Placeholder] User Position: [Placeholder]

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup Borrowing History

From Lab: To Lab: Inventory: Quantity:

CTO Office CTO Office Inventory AUTOBOTx 1

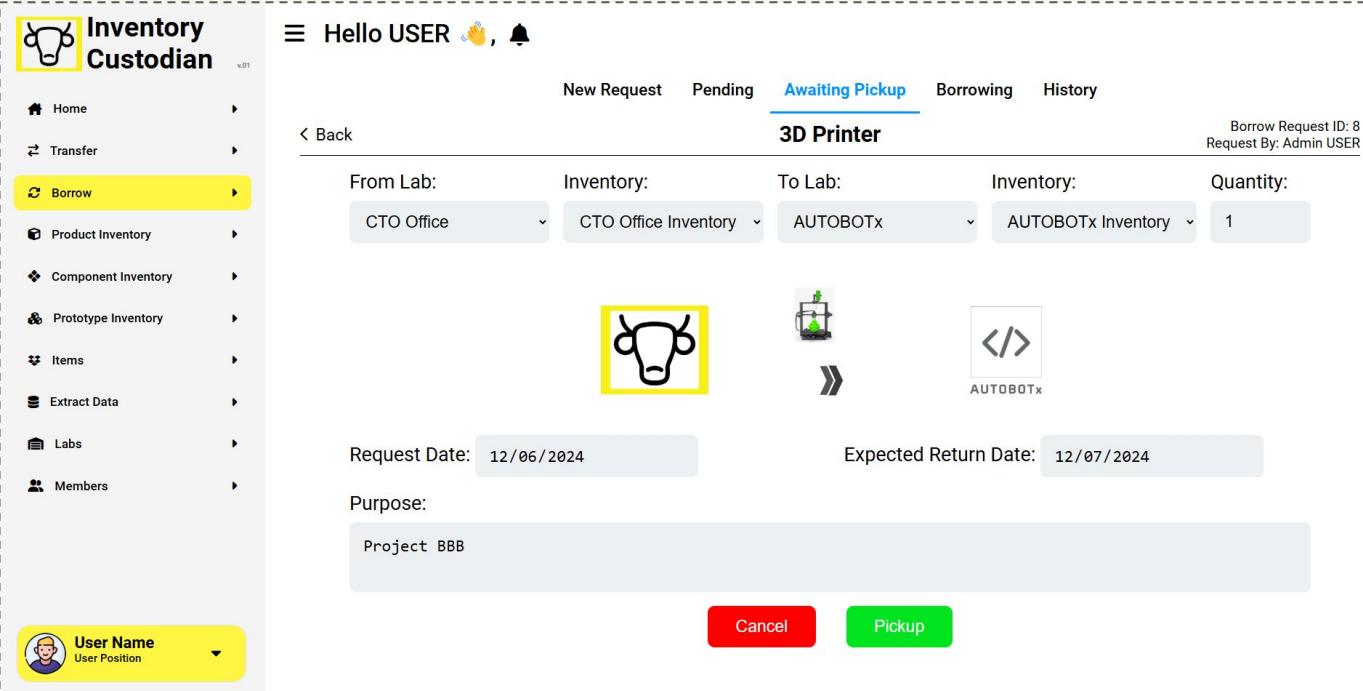
Request Date: 12/06/2024 Expected Return Date: 12/07/2024

Purpose: Project BBB

Cancel Pickup

3D Printer

Borrow Request ID: 8
Request By: Admin USER



Borrow: 4. Borrowing

Steps to confirm that an item has been returned to the original place.

After clicking "Pickup" (Page 23) it will automatically change to "Borrowing" tab.

Note: "Borrowing" is used to store all borrow transactions that have not been returned to the original location.

Inventory Custodian

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup **Borrowing** History Sort Feature

Borrow Request

Item	Status	Last Action
CNC Milling Machine Picked Up ID: 16	Picked Up	1 second ago
Digital oscilloscope Picked Up ID: 15	Picked Up	29 seconds ago
CNC Milling Machine Picked Up ID: 14	Picked Up	1 minute ago

To confirm that the item has been returned to the original place, please select the item (Result: Page 25)

We can also click this shortcut button to confirm.

User Name User Position

Borrow: 4. Borrowing

In this page, we can see all the information related to the borrowing item, and just click on "Return" button to confirm that the item has been returned to the original place (Result: Page 26).

Inventory Custodian v.01

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup **Borrowing** History

From Lab: Inventory: To Lab: Inventory: Quantity:

CTO Office CTO Office Inventory AUTOBOTx AUTOBOTx Inventory 1

Borrow Request ID: 8
Request By: Admin USER

From Lab: Inventory: To Lab: Inventory: Quantity:

CTO Office CTO Office Inventory AUTOBOTx AUTOBOTx Inventory 1

Request Date: 12/06/2024 Expected Return Date: 12/07/2024

Purpose:
Project BBB

User Name User Position

Return

Borrow: History - Page layout

After clicking "Return" the system will automatically switch to the "History" tab. On this page, we can view all borrow transactions, including canceled, rejected, and returned.

Inventory Custodian v.01

- [Home](#)
- [Transfer](#)
- [Borrow](#)
- [Product Inventory](#)
- [Component Inventory](#)
- [Prototype Inventory](#)
- [Items](#)
- [Extract Data](#)
- [Labs](#)
- [Members](#)

User Name
User Position

☰
Hello USER 🙌,

[New Request](#)
[Pending](#)
[Awaiting Pickup](#)
[Borrowing](#)
History

CNC Milling Machine
Picked Up ID: 16

17 minutes ago

Digital oscilloscope
Picked Up ID: 15

18 minutes ago

AUTOBOT+
CNC Milling Machine

Picked Up ID: 14
18 minutes ago

Digital oscilloscope
Rejected ID: 9

3 days ago

3D Printer
Returned ID: 8

4 days ago

Line printer
Returned ID: 4

6 days ago

Digital oscilloscope
Returned ID: 2

6 days ago

We can click on each transaction to view its details. (Result: Page 27)

Note: "History" is used to store all borrow transactions, including those that are rejected, canceled, or returned.

Confidential

Copyright ©

Borrow: History detail

In this page, shows the borrow request details, such as the request date, approval date, and pickup date, as well as the purpose of the borrow. This helps in tracking and managing the movement of equipment between different labs for various projects.

Inventory Custodian

- Home
- Transfer
- Borrow**
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name
User Position

Hello USER 🙌, 🔔

New Request Pending Awaiting Pickup Borrowing **History**

From Lab: Admin Office Inventory: Main Inventory To Lab: CTO Office Inventory: CTO Office Inventory Quantity: 1

Digital oscilloscope

Transfer Request ID: 2
Request By: Admin USER

From Lab: Admin Office Inventory: Main Inventory To Lab: CTO Office Inventory: CTO Office Inventory Quantity: 1

Purpose: Project BBB

Requested: Dec 04, 2024 Approved: Dec 04, 2024 Picked Up: Dec 04, 2024

*Already returned to Admin Office



Product Inventory: Page layout

Use case: Manage and monitor stock levels of finished products in the Main Warehouse.

The screenshot displays the 'Product Inventory' page layout. On the left, a sidebar titled 'Inventory Custodian' contains navigation links: Home, Transfer, Borrow, Product Inventory (selected), Component Inventory, Prototype Inventory, Items, Extract Data, Labs, and Members. A yellow bar at the bottom of the sidebar shows 'User Name' and 'User Position'. The main content area has a yellow header bar with the text 'Hello USER 🙌, 🔔'. Below it is a table titled 'Product Inventory' with columns: Search, ID ↑↓, Lab ↑↓, Name ↑↓, Photo, QTY ↑↓, Asset Price ↑↓, Total Asset ↑↓, Location, Remark, and Adjust QTY. The table lists seven items:

ID	Lab	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Action
1	AUTOBOTx	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
2	STEAMx	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
3	MECHATRON	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
4	VisionAI	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
5	UAVx	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
6	AUTOBOTx	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
7	STEAMx	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Product Inventory: Functionalities

In the Product Inventory, there are four essential functionalities: 1. ADD, 2. EDIT, 3. CLEAR, and 4. Export as Excel. Additional functionalities include Search, Select, Sort, and Adjust Quantity.

The screenshot shows a 'Product Inventory' application with a yellow header bar containing user info ('Hello USER'), a search bar, and buttons for 'Export as Excel', 'ADD', 'CLEAR', and 'Featured'. Below is a table of products with columns for ID, Name, Photo, QTY, Asset Price, Total Asset, Location, Remark, and Adjust QTY. Annotations with dashed boxes explain the following features:

- Search for the product you're looking for.** Points to the search bar.
- Select all products** Points to the checkbox column header.
- Select a product** Points to the checkbox next to product ID 2.
- Export product data in Excel format.** Points to the 'Export as Excel' button.
- Add a new product** Points to the 'ADD' button.
- Clear QTY of product** Points to the 'CLEAR' button.
- Sort products by: ID, Name, QTY, Lab, Price, Total Price, Time** Points to the 'Featured' button.
- Adjust QTY of product** Points to the 'Adjust QTY' column header.
- We can click on each product to view its details.** Points to the first row of the table.

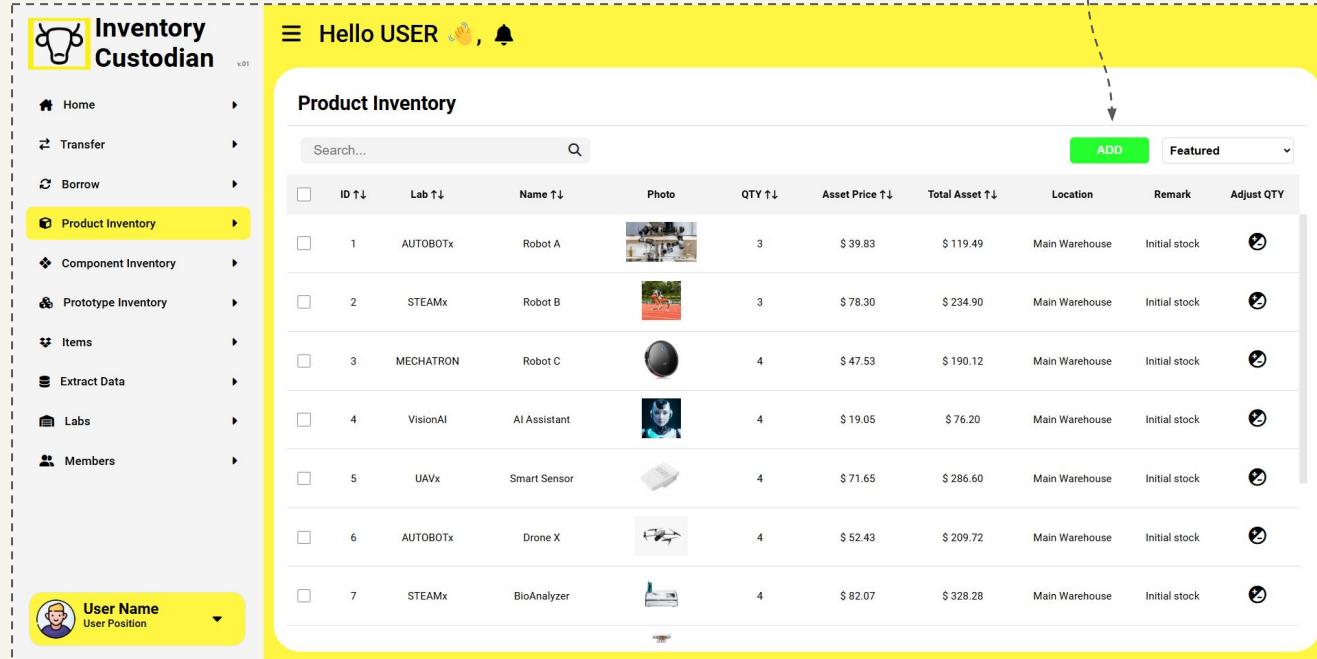
	ID ↑↓	Lab ↑↓	Name ↑↓	Photo	QTY ↑↓	Asset Price ↑↓	Total Asset ↑↓	Location	Remark	Adjust QTY
<input type="checkbox"/>	1	AUTOBOTx	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
<input checked="" type="checkbox"/>	2	STEAMx	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
<input type="checkbox"/>	3	MECHATRON	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
<input type="checkbox"/>	4	VisionAI	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
<input type="checkbox"/>	5	UAVx	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
<input type="checkbox"/>	6	AUTOBOTx	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
<input type="checkbox"/>	7	STEAMx	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Product Inventory: 1. ADD

Use case: Add a fully finished product to the Main Warehouse.

There are two simple steps to add a new product: 1. Click the "ADD" button, and 2. Fill out the information

1. Add a new product (Result: Page 31)



<input type="checkbox"/>	ID ↑↓	Lab ↑↓	Name ↑↓	Photo	QTY ↑↓	Asset Price ↑↓	Total Asset ↑↓	Location	Remark	Adjust QTY
<input type="checkbox"/>	1	AUTOBOTx	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
<input type="checkbox"/>	2	STEAMx	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
<input type="checkbox"/>	3	MECHATRON	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
<input type="checkbox"/>	4	VisionAI	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
<input type="checkbox"/>	5	UAVx	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
<input type="checkbox"/>	6	AUTOBOTx	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
<input type="checkbox"/>	7	STEAMx	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Product Inventory: 1. ADD - Create form

How to fill out the add new product form.

After clicking "ADD" (Page 30) it will automatically change to "Create New Product" page.

 **Inventory Custodian** v.01

☰ Hello USER  

Create New Product

Name <input type="text" value="Enter product's name"/>	Lab <input type="button" value="Select Lab"/>	QTY <input type="text" value="Product's quantity"/>
Cost <input type="text" value="\$ Product's cost"/>	Asset <input type="text" value="\$ Product's asset"/>	
Description <input type="text" value="Enter product's description"/>	Application <input type="text" value="Enter product's application"/>	
Specification <input type="text" value="Enter product's specification"/>	Packaging Info <input type="text" value="Enter product's packaging info"/>	
Location <input type="text" value="Enter product's location"/>	Remark <input type="text" value="Enter product's remark"/>	


Add Image

Note: In this section, please provide all the necessary information related to the product you wish to add.

For images, you can upload up to 10 files.

After filling in all the information, click 'Create'.

Product Inventory: 2. EDIT

Use case: This feature allows you to make changes to the information of existing products.

There are two simple steps to edit a product: 1. Click on the desired product, and 2. Click on 'Edit Product'.

☰ Hello USER 🙌, 🔔

Product Inventory

<input type="checkbox"/>	ID ↑↓	Lab ↑↓	Name ↑↓	Photo	QTY ↑↓	Asset Price ↑↓	Total Asset ↑↓	Location	Remark	Adjust QTY
<input type="checkbox"/>	1	AUTOBOTx	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
<input checked="" type="checkbox"/>	2	STEAMx	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
<input type="checkbox"/>	3	MECHATRON	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
<input type="checkbox"/>	4	VisionAI	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
<input type="checkbox"/>	5	UAVx	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
<input type="checkbox"/>	6	AUTOBOTx	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
<input type="checkbox"/>	7	STEAMx	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

We can click on each product to view its details and also edit the information.

Product Inventory: 2. EDIT

After clicking on the product (Page 32), you will be automatically directed to this page. Simply follow step 2 to edit the product.

Inventory Custodian v.01

- Home
- Transfer
- Borrow
- Product Inventory**
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name User Position

Hello USER 🙌, 🔔

< Preview



ID	Name	Lab	QTY
2	Robot B	STEAMx	3

Cost Total Cost Asset Total Asset

47.36	142.08	78.30	234.90
-------	--------	-------	--------

Description

Robot who can run

Edit Product

Application

Turn on the robot then it will cook.

2. Click to edit the product information.

Specification

It will be updated soon.

Packaging Info

It will be update soon.

Note: On this page, you can also view extra information about the product.

Product Inventory: 2. EDIT - Edit form

Now you can edit the product information, including the name, price, and description.

The screenshot shows the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory (which is highlighted), Component Inventory, Prototype Inventory, Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a user profile section with a placeholder 'User Name' and 'User Position'. The main content area has a yellow header bar with the text 'Hello USER 🙌, 🔔'. Below the header is a preview section showing a small image of a robot running on a track, with a red 'X' icon to its left. To the right of the image is a table with the following data:

ID	Name	Lab	QTY
2	Robot B	STEAMx	3

Below the table are sections for 'Cost' (47.36) and 'Total Cost' (142.08), and 'Asset' (78.30) and 'Total Asset' (234.90). Further down are fields for 'Description' (Robot who can run), 'Application' (Turn on the robot then it will cook.), 'Specification' (It will be updated soon.), and 'Packaging Info' (It will be update soon.). At the bottom of the preview area are two buttons: 'Discard' (red) and 'Save' (green). A dashed arrow points from the 'Save' button to a callout box at the bottom right. The callout box contains the text: 'After making changes, just simply click 'Save' to update the information, or click 'Discard' to cancel the changes.'

Product Inventory: 3. CLEAR

Use case: This feature allows you to clear quantity of the existing products.

There are three simple steps to clear products: 1. Select 'Products', 2. Click the 'CLEAR' button, and 3. Provide a reason.

2. Click "CLEAR" button (Result: Page)

1. Select all products

or

1. Select a product

ID	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Adjust QTY
1	AUTOBOTx		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
2	STEAMx		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
3	MECHATRON		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
4	VisionAI		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
5	UAVx		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
6	AUTOBOTx		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
7	STEAMx		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Product Inventory: 3. CLEAR

After clicking 'CLEAR' (Page 35), a pop-up will appear prompting you to provide a clear reason for clearing the quantity of products.

The screenshot shows the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory (which is selected and highlighted in yellow), Component Inventory, Prototype Inventory, Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a 'User Name' dropdown menu. The main area is titled 'Hello USER' and contains a 'Product Inventory' section. This section includes a search bar, filter buttons for 'Export as Excel', 'ADD', 'CLEAR', and 'Featured', and a table of product data. The table columns are: ID, Lab, Name, Photo, QTY, Asset Price, Total Asset, Location, Remark, and Adjust QTY. The table rows show various products like 'AUTOBOTx', 'STEAMx', 'MECHATRON', etc., with their respective details. A modal window is overlaid on the table, asking 'Why do you clear the stock?' with a text input field containing 'Please leave a reason'. Below the input field are 'Confirm' and 'Cancel' buttons. A dashed arrow points from the 'CLEAR' button in the top right of the main table area to this modal window.

ID	Lab	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Adjust QTY
1	AUTOBOTx	Robot A		3	\$39.83	\$119.49	Main Warehouse	Initial stock	
2	STEAMx	Robot B				\$234.90	Main Warehouse	Initial stock	
3	MECHATRON	Robot C				\$190.12	Main Warehouse	Initial stock	
4	VisionAI	AI Assistant		4	\$19.05	\$76.20	Main Warehouse	Initial stock	
5	UAVx	Smart Sensor		4	\$71.65	\$286.60	Main Warehouse	Initial stock	
6	AUTOBOTx	Drone X		4	\$52.43	\$209.72	Main Warehouse	Initial stock	
7	STEAMx	BioAnalyzer		4	\$82.07	\$328.28	Main Warehouse	Initial stock	

3. Provide a clear reason,
then click 'CONFIRM'.

Product Inventory: Adjust quantity

Use case: This feature allows you to adjust the quantity of an existing product, one time for each product.

There are two simple steps to adjust quantity product: 1. Click on "Adjust" icon and 2. Provide a reason.

The screenshot shows a 'Product Inventory' interface. At the top, there is a search bar with a magnifying glass icon and a dropdown menu labeled 'Featured'. Below the search bar is a table with the following columns: ID, Lab, Name, Photo, QTY, Asset Price, Total Asset, Location, Remark, and Adjust QTY. The table contains 7 rows of data:

ID	Lab	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Adjust QTY
1	AUTOBOTx	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
2	STEAMx	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
3	MECHATRON	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
4	VisionAI	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
5	UAVx	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
6	AUTOBOTx	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
7	STEAMx	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Note: After clicking the icon please provide a reason and confirm it, just like the 'Clear' function, but adjust is for one product only.

1. Click on the 'Adjust QTY' icon for the desired product.

Product Inventory: 4. Export as Excel

Use case: This feature allows you to export the product data as an Excel file.

There are only two simple steps to export the data: 1. Select 'Products' and 2. Click the 'Export as Excel' button.

The screenshot shows a product inventory application with a yellow header bar. The header includes a greeting 'Hello USER 🙌, 🔔' and a search bar. Below the header is a table with product data. The table has a yellow border and contains the following columns: ID, Lab, Name, Photo, QTY, Asset Price, Total Asset, Location, Remark, and Adjust QTY. Each row represents a product with a checkbox in the first column. Row 2, 'STEAMx', has a checked checkbox and is highlighted with a blue border. A dashed arrow from the '1. Select a product' callout points to this row. Another dashed arrow from the '1. Select all products' callout points to the first column of the table. A third dashed arrow from the '2. Click the button' callout points to the 'Export as Excel' button at the top right of the table area. A note on the right side states: 'Note: The 'Export as Excel' button does not appear until you select a product.'

	ID	Lab	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Adjust QTY
<input type="checkbox"/>	1	AUTOBOTx	Robot A		3	\$39.83	\$119.49	Main Warehouse	Initial stock	
<input checked="" type="checkbox"/>	2	STEAMx	Robot B		3	\$78.30	\$234.90	Main Warehouse	Initial stock	
<input type="checkbox"/>	3	MECHATRON	Robot C		4	\$47.53	\$190.12	Main Warehouse	Initial stock	
<input type="checkbox"/>	4	VisionAI	AI Assistant		4	\$19.05	\$76.20	Main Warehouse	Initial stock	
<input type="checkbox"/>	5	UAVx	Smart Sensor		4	\$71.65	\$286.60	Main Warehouse	Initial stock	
<input type="checkbox"/>	6	AUTOBOTx	Drone X		4	\$52.43	\$209.72	Main Warehouse	Initial stock	
<input type="checkbox"/>	7	STEAMx	BioAnalyzer		4	\$82.07	\$328.28	Main Warehouse	Initial stock	

Component Inventory: Page layout

Use case: Manage and monitor stock levels of finished components in Main Warehouse.

The screenshot displays the 'Component Inventory' page layout. On the left, a sidebar titled 'Inventory Custodian' contains navigation links: Home, Transfer, Borrow, Product Inventory (with 'Component Inventory' highlighted), Prototype Inventory, Items, Extract Data, Labs, and Members. A user profile section at the bottom shows 'User Name' and 'User Position'. A dashed box labeled 'Component Inventory' highlights the sidebar link. On the right, the main content area has a yellow header bar with the text 'Hello USER' and a bell icon. Below it is a table titled 'Component Inventory' with columns: ID, Categories, Name, Description, Photo, UNIT, QTY, Price/Unit, Total Amount, Location, and Adjust QTY. The table lists seven items:

ID	Categories	Name	Description	Photo	UNIT	QTY	Price/Unit	Total Amount	Location	Action
1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	4	\$ 41.32	\$ 165.28	Main Warehouse	
3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

Component Inventory: Functionalities

In the Component Inventory, there are four essential functionalities: 1. ADD, 2. EDIT, 3. CLEAR, and 4. Export as Excel. Additional functionalities include Search, Select, Sort, and Adjust Quantity.

The screenshot shows a component inventory application with a yellow header bar containing buttons for 'Export as Excel', 'ADD', 'CLEAR', and 'Featured'. Below the header is a search bar and a table listing components. The table has columns for ID, Categories, Name, Description, Photo, Unit, QTY, Price/Unit, Total Amount, Location, and Adjust QTY. Annotations with dashed boxes explain the following features:

- Search for the component you're looking for.** Points to the search bar.
- Select all components** Points to the 'Select All' checkbox at the top of the table.
- Select a component** Points to the checkbox next to the third row (Microscope).
- Export component data in Excel format.** Points to the 'Export as Excel' button.
- Add a new component** Points to the 'ADD' button.
- Clear QTY of component** Points to the 'CLEAR' button.
- Sort components by: ID, Name, QTY, Lab, Price, Total Price, Time** Points to the 'Featured' button.
- We can click on each component to view its details.** Points to the table rows.
- Adjust QTY of component** Points to the 'Adjust QTY' button in the table.

ID	Categories	Name	Description	Photo	Unit	QTY	Price/Unit	Total Amount	Location	Adjust QTY
1	Machinery	CNC Milling Machine	SM-9040 2.2KW 4 Axis CNC Milling Machine		Sets	4	\$ 3.68	\$ 14.72	Main Warehouse	
2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	3	\$ 41.32	\$ 123.96	Main Warehouse	
3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	7	\$ 31.44	\$ 220.08	Main Warehouse	
6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

Component Inventory: 1. ADD

Use case: Add a component to the Main Warehouse.

There are two simple steps to add a new component: 1. Click the "ADD" button, and 2. Fill out the information

1. Add a new component

	ID ↑	Categories	Name ↑↓	Description	Photo	UNIT	QTY ↑↓	Price/Unit	Total Amount ↑↓	Location	Adjust QTY
<input type="checkbox"/>	1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
<input type="checkbox"/>	2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	4	\$ 41.32	\$ 165.28	Main Warehouse	
<input type="checkbox"/>	3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
<input type="checkbox"/>	4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
<input type="checkbox"/>	5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
<input type="checkbox"/>	6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
<input type="checkbox"/>	7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

Component Inventory: 1. ADD - Create form

How to fill out the create new component form.

After clicking "ADD" (Page 41) it will automatically change to "Create New Component" page.

Note: In this section, please provide all the necessary information related to the component you wish to add.

Only one image can be added.

After filling in all the information, click 'Create'.



User Name
User Position

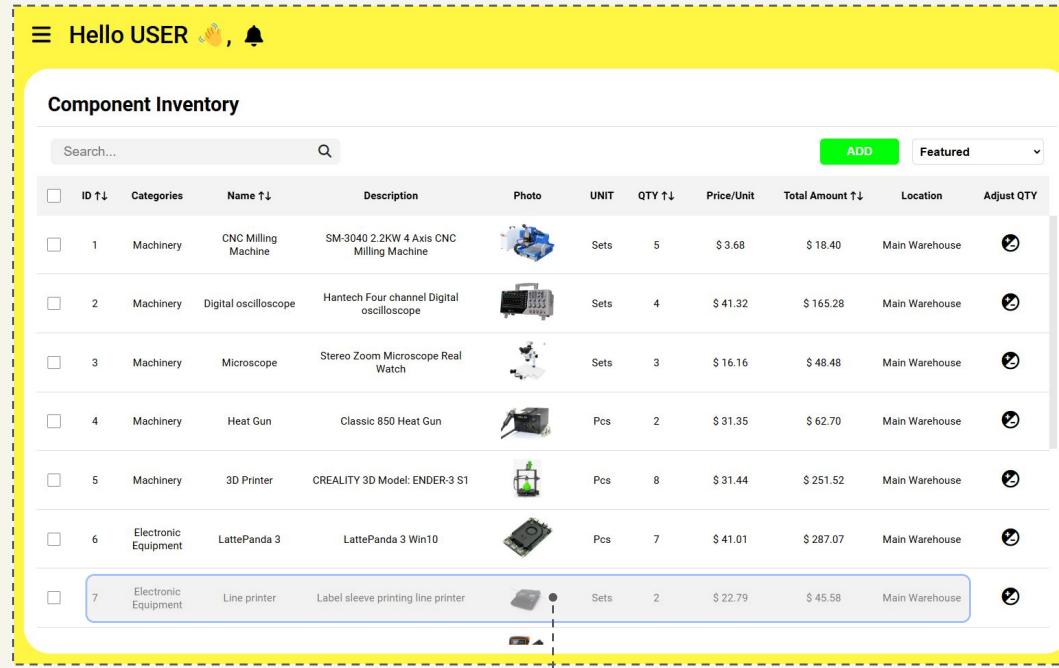
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Component Inventory: 2. EDIT

Use case: This feature allows you to make changes to the information of existing components.

There is a simple step to edit a component: Just click on the desired component then you are able to edit



<input type="checkbox"/>	ID ↑↓	Categories	Name ↑↓	Description	Photo	UNIT	QTY ↑↓	Price/Unit	Total Amount ↑↓	Location	Adjust QTY
<input type="checkbox"/>	1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
<input type="checkbox"/>	2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	4	\$ 41.32	\$ 165.28	Main Warehouse	
<input type="checkbox"/>	3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
<input type="checkbox"/>	4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
<input type="checkbox"/>	5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
<input type="checkbox"/>	6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
<input type="checkbox"/>	7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

We can click on each component to view its details and also edit the information.

Component Inventory: 2. EDIT - Edit form

After clicking on the component (Page 43), you will be automatically directed to this page. Now you can edit the component information, including the price, remark and location.

Inventory Custodian v.01

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data
- Labs
- Members

User Name
User Position

Hello USER 🙌, 🔔

Edit Component's ID: 1

Name	CNC Milling Machine	Category	Machinery
Unit	Sets	QTY	5
Unit/Price	3.68	Image	cnc_milling_machine.png
Description	SM-3040 2.2KW 4 Axis CNC Milling Machine		
Remark	Initial stock		
Location	Main Warehouse		



Component's ID: 1

Save

Note: On this page, you can also view extra information about the component.

After making changes, just simply click 'Save' to update the information, or click 'Back-Arrow' to cancel the changes.

Component Inventory: 3. CLEAR

Use case: This feature allows you to clear quantity of the existing components.

There are three simple steps to clear components: 1. Select 'Components', 2. Click the 'CLEAR' button, and 3. Provide a reason.

1. Select all components

or

1. Select a component

2. Click "CLEAR" button (Result: Page)

ID	Name	Photo	QTY	Asset Price	Total Asset	Location	Remark	Action
1	Robot A		3	\$ 39.83	\$ 119.49	Main Warehouse	Initial stock	
2	Robot B		3	\$ 78.30	\$ 234.90	Main Warehouse	Initial stock	
3	Robot C		4	\$ 47.53	\$ 190.12	Main Warehouse	Initial stock	
4	AI Assistant		4	\$ 19.05	\$ 76.20	Main Warehouse	Initial stock	
5	Smart Sensor		4	\$ 71.65	\$ 286.60	Main Warehouse	Initial stock	
6	Drone X		4	\$ 52.43	\$ 209.72	Main Warehouse	Initial stock	
7	BioAnalyzer		4	\$ 82.07	\$ 328.28	Main Warehouse	Initial stock	

Component Inventory: 3. CLEAR

After clicking 'CLEAR' (Page 45), a pop-up will appear asking you to provide a clear reason for clearing the quantity of components.

The screenshot shows the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory, Component Inventory (which is highlighted with a yellow box), Prototype Inventory, Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a 'User Name' dropdown menu. The main area is titled 'Hello USER' and shows a 'Component Inventory' table with the following data:

ID	Categories	Name	Description	Photo	UNIT	QTY	Price/Unit	Total Amount	Location	Action
1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
2	Machinery	Digital oscilloscope	Hantech Four channel oscilloscope				\$ 41.32	\$ 165.28	Main Warehouse	
3	Machinery	Microscope	Stereo Zoom Microscope Watch				\$ 16.16	\$ 48.48	Main Warehouse	
4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

A modal window titled 'Why do you clear the stock?' is displayed over the table, containing the placeholder text 'Please leave a reason'. It has 'Confirm' and 'Cancel' buttons. A dashed arrow points from the 'CLEAR' button in the top right of the main table area to this modal.

3. Provide a clear reason, then click 'CONFIRM'.

Component Inventory: Adjust quantity

Use case: This feature allows you to adjust the quantity of an existing component, one time for each product.

There are two simple steps to adjust quantity component: 1. Click on "Adjust" icon and 2. Provide a reason.

Hello USER 🙌, 🔔

Component Inventory

	ID	Categories	Name	Description	Photo	UNIT	QTY	Price/Unit	Total Amount	Location	Adjust QTY
<input type="checkbox"/>	1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
<input type="checkbox"/>	2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	4	\$ 41.32	\$ 165.28	Main Warehouse	
<input type="checkbox"/>	3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
<input type="checkbox"/>	4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
<input type="checkbox"/>	5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
<input type="checkbox"/>	6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
<input type="checkbox"/>	7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

Note: After clicking the icon please provide a reason and confirm it, just like the 'Clear' function, but adjust is for one product only.

1. Click on the 'Adjust QTY' icon for the desired component.

Component Inventory: 4. Export as Excel

Use case: This feature allows you to export the component data as an Excel file.

There are only two simple steps to export the data: 1. Select 'Components' and 2. Click the 'Export as Excel' button.

1. Select all components

OR

1. Select a component

Hello USER 🙌, 🔔

Prototype Inventory

Search...	Export as Excel	ADD	CLEAR	Featured					
ID ↑↓	Lab ↑↓	Name ↑↓	Photo	Description	QTY ↑↓	Location	Remark	Adjust QTY	
<input type="checkbox"/>	1	VisionAI	Algobot		Bot use for optical avoidance project.	2	Main Warehouse	Initial stock	
<input checked="" type="checkbox"/>	2	Admin Office	OptiSense		Sensor for optical detection.	4	Main Warehouse	Initial stock	
<input type="checkbox"/>	3	CTO Office	PowerMate		Power efficiency management tool.	2	Main Warehouse	Initial stock	
<input type="checkbox"/>	4	AUTOBOTx	VisionBot		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
<input type="checkbox"/>	5	UAVx	HeatX		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
<input type="checkbox"/>	6	STEAMx	NanoScope		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
<input type="checkbox"/>	7	MECHATRON	BioTrack		Biometric tracking device.	4	Main Warehouse	Initial stock	

2. Click the button

Note: The 'Export as Excel' button does not appear until you select a component.

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Prototype Inventory: Page layout

Use case: Manage and monitor stock levels of finished prototypes in Main Warehouse.

Prototype Inventory

Inventory Custodian v.01

☰ Hello USER 🙌, 🔔

Prototype Inventory

ID	Lab	Name	Photo	Description	QTY	Location	Remark	Adjust QTY
1	VisionAI	Algobot		Bot use for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office	OptiSense		Sensor for optical detection.	4	Main Warehouse	Initial stock	
3	CTO Office	PowerMate		Power efficiency management tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx	VisionBot		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx	HeatX		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx	NanoScope		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON	BioTrack		Biometric tracking device.	4	Main Warehouse	Initial stock	

User Name
User Position

Prototype Inventory: Functionalities

In the Prototype Inventory, there are four essential functionalities: 1. ADD, 2. EDIT, 3. CLEAR, and 4. Export as Excel. Additional functionalities include Search, Select, Sort, and Adjust Quantity.

The screenshot shows a prototype inventory application with the following features annotated:

- Search for the prototype you're looking for.** (Search bar)
- Select all prototypes** (Select all checkbox)
- Select a prototype** (Checkmark next to prototype 2)
- Export prototype data in Excel format.** (Export as Excel button)
- Add a new prototype** (ADD button)
- Clear QTY of prototype** (CLEAR button)
- Sort prototypes by: ID, Name, QTY, Lab, Price, Total Price, Time** (Sort dropdown menu)
- Adjust QTY of prototype** (Edit icon next to quantity column)
- We can click on each prototype to view its details.** (Prototype row 2)

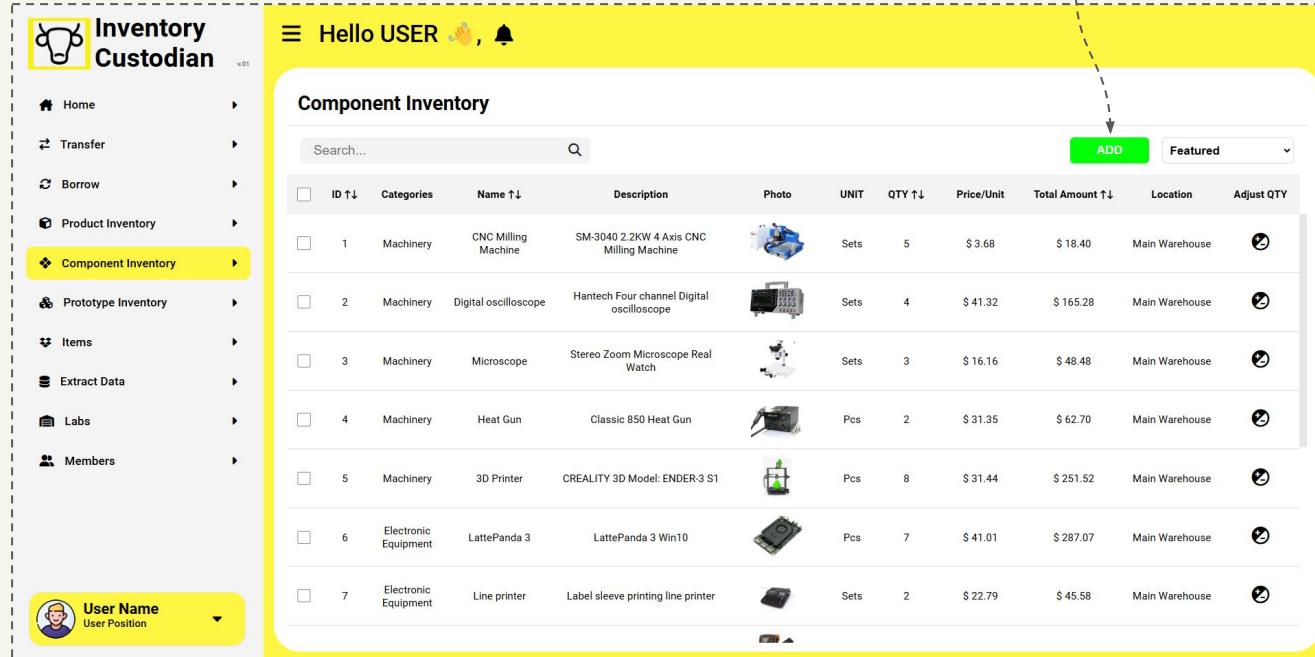
ID	Lab	Name	Photo	Description	QTY	Location	Remark	Adjust QTY
1	VisionAI	Algobot		Bot used for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office	OptiSense		Sensor for optical detection.	4	Main Warehouse	Initial stock	
3	CTO Office	PowerMate		Power efficiency management tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx	VisionBot		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx	HeatX		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx	NanoScope		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON	BioTrack		Biometric tracking device.	4	Main Warehouse	Initial stock	

Prototype Inventory: 1. ADD

Use case: Add a prototype to the Main Warehouse.

There are two simple steps to add a new prototype: 1. Click the "ADD" button, and 2. Fill out the information

1. Add a new prototype



The screenshot shows the 'Component Inventory' page of the 'Inventory Custodian' application. The interface has a yellow header bar with the text 'Hello USER' and a bell icon. Below the header is a search bar and a green 'ADD' button. The main area is a table listing seven items:

ID	Category	Name	Description	Photo	Unit	QTY	Price/Unit	Total Amount	Location	Action
1	Machinery	CNC Milling Machine	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets	5	\$ 3.68	\$ 18.40	Main Warehouse	
2	Machinery	Digital oscilloscope	Hantech Four channel Digital oscilloscope		Sets	4	\$ 41.32	\$ 165.28	Main Warehouse	
3	Machinery	Microscope	Stereo Zoom Microscope Real Watch		Sets	3	\$ 16.16	\$ 48.48	Main Warehouse	
4	Machinery	Heat Gun	Classic 850 Heat Gun		Pcs	2	\$ 31.35	\$ 62.70	Main Warehouse	
5	Machinery	3D Printer	CREALITY 3D Model: ENDER-3 S1		Pcs	8	\$ 31.44	\$ 251.52	Main Warehouse	
6	Electronic Equipment	LattePanda 3	LattePanda 3 Win10		Pcs	7	\$ 41.01	\$ 287.07	Main Warehouse	
7	Electronic Equipment	Line printer	Label sleeve printing line printer		Sets	2	\$ 22.79	\$ 45.58	Main Warehouse	

At the bottom left of the main area, there is a yellow box containing a user profile icon and the text 'User Name' and 'User Position'. At the bottom right, there is a yellow box containing the text 'Copyright ©'.

Prototype Inventory: 1. ADD - Create form

How to fill out the create new prototype form.

After clicking "ADD" (Page 51) it will automatically change to "Create New Prototype" page.

Note: In this section, please provide all the necessary information related to the prototype you wish to add.

Only one image can be added.

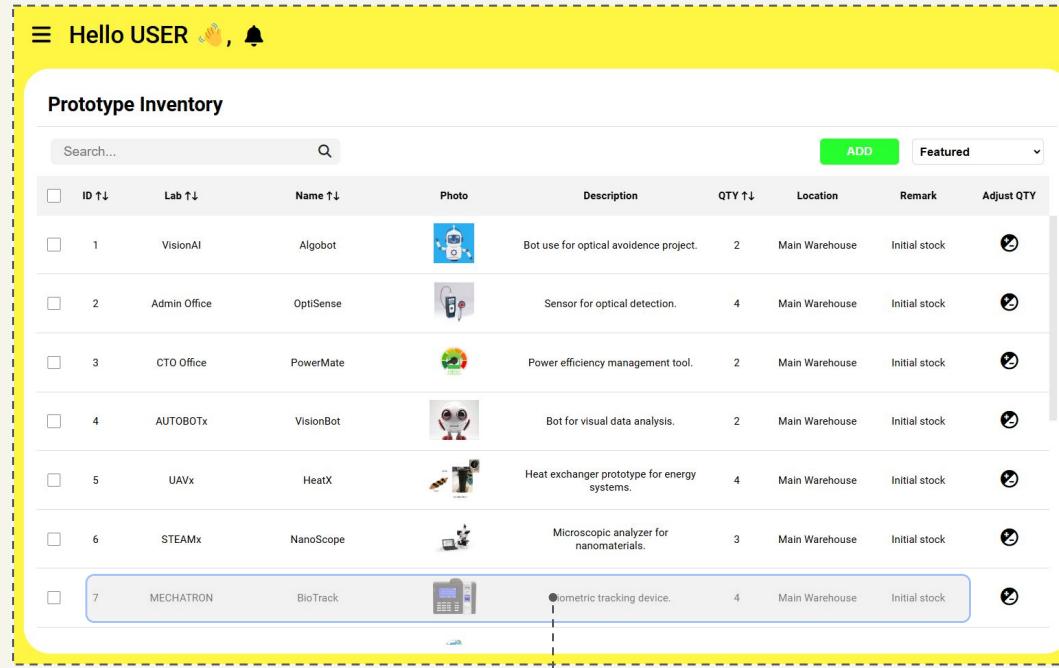
After filling in all the information, click 'Create'.

The screenshot shows a user interface for managing prototypes. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory (which is selected and highlighted in yellow), Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a dropdown for 'User Name' and 'User Position'. The main area has a yellow header with the text 'Hello USER' and a bell icon. Below the header is a title 'Create New Prototype' with a back button. The form contains several input fields: 'Name' (with placeholder 'Enter the name'), 'From Lab' (with placeholder 'Select Lab' and a dropdown arrow), 'QTY' (with value '1'), 'Description' (with placeholder 'Enter the description'), 'Location' (with placeholder 'Enter the location'), 'Remark' (with placeholder 'Enter the remark'), and an 'Upload New Image' button next to a placeholder image icon. At the bottom are two buttons: 'Discard' (red) and 'Create' (green).

Prototype Inventory: 2. EDIT

Use case: This feature allows you to make changes to the information of existing prototypes.

There is a simple step to edit a prototype: Just click on the desired prototype then you are able to edit



The screenshot shows a user interface for managing prototypes. At the top, there is a yellow header bar with the text "Hello USER" and a small profile icon. Below the header is a search bar and a green "ADD" button. A dropdown menu labeled "Featured" is also present. The main area is titled "Prototype Inventory" and contains a table with the following data:

ID	Name	Description	QTY	Location	Remark	Action
1	VisionAI	Algobot	2	Main Warehouse	Initial stock	
2	Admin Office	OptiSense	4	Main Warehouse	Initial stock	
3	CTO Office	PowerMate	2	Main Warehouse	Initial stock	
4	AUTOBOTx	VisionBot	2	Main Warehouse	Initial stock	
5	UAVx	HeatX	4	Main Warehouse	Initial stock	
6	STEAMx	NanoScope	3	Main Warehouse	Initial stock	
7	MECHATRON	BioTrack	4	Main Warehouse	Initial stock	

We can click on each prototype to view its details and also edit the information.

Prototype Inventory: 2. EDIT - Edit form

After clicking on the prototype (Page 53), you will be automatically directed to this page. Now you can edit the prototype information, including the name, remark, location and description.

 **Inventory
Custodian**

v.01

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory**
- Items
- Extract Data
- Labs
- Members

User Name:  User Position:

☰ Hello USER 🙌, 

< Back Edit Prototype's ID: 7

Name: From Lab: QTY:

BioTrack MECHATRON 4

Description:

Biometric tracking device.

Location: Remark:

Main Warehouse Initial stock



Upload New Image

Discard **Save**

Note: On this page, you can also view extra information about the prototype.

After making changes, just simply click 'Save' to update the information, or click 'Discard' to cancel the changes.

Prototype Inventory: 3. CLEAR

Use case: This feature allows you to clear quantity of the existing prototypes.

There are three simple steps to clear prototypes: 1. Select 'Prototypes', 2. Click the 'CLEAR' button, and 3. Provide a reason.

The screenshot shows a user interface for a 'Prototype Inventory'. At the top, there's a yellow header bar with the text 'Hello USER' and a bell icon. Below it is a white card titled 'Prototype Inventory' containing a table of prototype data. The table has columns for ID, Name, Photo, Description, QTY, Location, Remark, and Adjust QTY. Each row contains a checkbox, the prototype's name, its photo, a brief description, its current quantity, where it's located, any remarks, and a trash can icon for deletion. A dashed box labeled '1. Select all prototypes' covers the first column of the table. Another dashed box labeled '1. Select a prototype' covers the second column. A third dashed box labeled '2. Click "CLEAR" button (Result: Page)' covers the 'CLEAR' button in the top right corner of the card. The entire card is highlighted with a yellow border.

ID	Name	Photo	Description	QTY	Location	Remark	Action
1	VisionAI		Bot used for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office		Sensor for optical detection.	4	Main Warehouse	Initial stock	
3	CTO Office		Power efficiency management tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON		Biometric tracking device.	4	Main Warehouse	Initial stock	

Prototype Inventory: 3. CLEAR

After clicking 'CLEAR' (Page 55), a pop-up will appear requiring you to provide a clear reason for clearing the quantity of prototypes.

The screenshot shows the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory (which is highlighted with a yellow background), Items, Extract Data, Labs, and Members. At the bottom of the sidebar is a 'User Name' dropdown menu. The main area is titled 'Hello USER' and shows the 'Prototype Inventory' screen. It includes a search bar, export options (Export as Excel), and buttons for ADD, CLEAR, and Featured. A table lists seven prototype items with columns for ID, Lab, Name, Photo, Description, QTY, Location, Remark, and Adjust QTY. Item 2, 'Admin Office' (OptiSense), has a checked checkbox. A modal dialog box is centered over the table, asking 'Why do you clear the stock?' with a text input field containing 'Please leave a reason'. There are 'Confirm' and 'Cancel' buttons. A dashed arrow points from the 'CLEAR' button in the top right of the inventory table to the 'Confirm' button in the modal dialog.

ID	Lab	Name	Photo	Description	QTY	Location	Remark	Action
1	VisionAI	Algobot		Bot used for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office	OptiSense		Optical sensor for environmental monitoring.	4	Main Warehouse	Initial stock	
3	CTO Office	PowerMate		High-power robotic actuator tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx	VisionBot		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx	HeatX		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx	NanoScope		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON	BioTrack		Biometric tracking device.	4	Main Warehouse	Initial stock	

3. Provide a clear reason,
then click 'CONFIRM'.

Prototype Inventory: Adjust quantity

Use case: This feature allows you to adjust the quantity of an existing component, one time for each product.

There are two simple steps to adjust quantity component: 1. Click on "Adjust" icon and 2. Provide a reason.

The screenshot shows a prototype inventory interface with a yellow header bar. The header contains a greeting 'Hello USER' with a hand icon and a bell icon, followed by a search bar and a green 'ADD' button. Below the header is a table with columns: ID, Name, Photo, Description, QTY, Location, Remark, and an 'Adjust QTY' icon. The table lists seven prototypes:

ID	Name	Photo	Description	QTY	Location	Remark	Adjust QTY
1	VisionAI		Bot use for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office		Sensor for optical detection.	4	Main Warehouse	Initial stock	
3	CTO Office		Power efficiency management tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON		Biometric tracking device.	4	Main Warehouse	Initial stock	

Note: After clicking the icon please provide a reason and confirm it, just like the 'Clear' function, but adjust is for one prototype only.

1. Click on the 'Adjust QTY' icon for the desired prototype.

Prototype Inventory: 4. Export as Excel

Use case: This feature allows you to export the prototype data as an Excel file.

There are only two simple steps to export the data: 1. Select 'Prototypes' and 2. Click the 'Export as Excel' button.

The screenshot shows the 'Prototype Inventory' page. At the top, there's a yellow header bar with the text 'Hello USER' and a bell icon. Below it, the main title 'Prototype Inventory' is displayed. On the left, there's a search bar and some sorting/filtering options like 'ID ↑↓', 'Lab ↑↓', 'Name ↑↓', 'Photo', 'Description', 'QTY ↑↓', 'Location', 'Remark', and 'Adjust QTY'. To the right of these are buttons for 'Export as Excel' (highlighted with a dashed box), 'ADD', 'CLEAR', and 'Featured'. The main area contains a table with 7 rows of prototype data:

ID	Lab	Name	Photo	Description	QTY	Location	Remark	Action
1	VisionAI	Algobot		Bot used for optical avoidance project.	2	Main Warehouse	Initial stock	
2	Admin Office	OptiSense		Sensor for optical detection.	4	Main Warehouse	Initial stock	
3	CTO Office	PowerMate		Power efficiency management tool.	2	Main Warehouse	Initial stock	
4	AUTOBOTx	VisionBot		Bot for visual data analysis.	2	Main Warehouse	Initial stock	
5	UAVx	HeatX		Heat exchanger prototype for energy systems.	4	Main Warehouse	Initial stock	
6	STEAMx	NanoScope		Microscopic analyzer for nanomaterials.	3	Main Warehouse	Initial stock	
7	MECHATRON	BioTrack		Biometric tracking device.	4	Main Warehouse	Initial stock	

Annotations on the left side of the screenshot include:

- '1. Select all prototypes' with a dashed box pointing to the first row.
- 'OR'
- '1. Select a prototype' with a dashed box pointing to the second row, where the checkbox for prototype ID 2 is checked.

An annotation at the top right says '2. Click the button' with a dashed box pointing to the 'Export as Excel' button. Another annotation on the far right says 'Note: The 'Export as Excel' button does not appear until you select a prototype.'

Items: Page layout

Use case: Provides a general list and management of all items within the inventory system.

The screenshot displays the 'Inventory Custodian' application interface. On the left is a sidebar with a yellow header 'Inventory Custodian v.01'. The sidebar contains the following navigation items:

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items** (highlighted with a yellow background)
- Extract Data
- Labs
- Members

At the bottom of the sidebar is a yellow footer bar with a user icon and the text 'User Name User Position'.

The main content area has a yellow header 'Hello USER 🙌, 🔔'. Below it is a table titled 'Items' with the following columns: ID ↑, Name ↑, Type ↑, Category ↑, Description, Photo, and UNIT. The table lists the following items:

ID ↑	Name ↑	Type ↑	Category ↑	Description	Photo	UNIT
1	CNC Milling Machine	Component	Machinery	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets
2	Digital oscilloscope	Component	Machinery	Hantech Four channel Digital oscilloscope		Sets
3	Microscope	Component	Machinery	Stereo Zoom Microscope Real Watch		Sets
4	Heat Gun	Component	Machinery	Classic 850 Heat Gun		Pcs
5	3D Printer	Component	Machinery	CREALITY 3D Model: ENDER-3 S1		Pcs
6	LattePanda 3	Component	Electronic Equipment	LattePanda 3 Win10		Pcs
7	Line printer	Component	Electronic Equipment	Label sleeve printing line printer		Sets

Items: Functionalities

In the Items, there are four essential functionalities: 1. ADD, 2. EDIT, 3. ADD TO, and 4. Export as Excel. Additional functionalities include Search, Select, Sort, and Adjust Quantity.

The screenshot shows a user interface for managing items. At the top, there are three buttons: "Export item data in Excel format.", "Add a new item", and "Clear QTY of item". Below this is a yellow header bar with the text "Hello USER" and a bell icon. The main area is titled "Items" and contains a table with the following data:

	ID ↑↓	Name ↑↓	Type ↑↓	Category ↑↓	Description	Photo	UNIT
<input type="checkbox"/>	1	CNC Milling Machine	Component	Machinery	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets
<input type="checkbox"/>	2	Digital oscilloscope	Component	Machinery	Hantech Four channel Digital oscilloscope		Sets
<input checked="" type="checkbox"/>	3	Microscope	Component	Machinery	Stereo Zoom Microscope Real Watch		Sets
<input type="checkbox"/>	4	Heat Gun	Component	Machinery	Classic 850 Heat Gun		Pcs
<input type="checkbox"/>	5	3D Printer	Component	Machinery	CREALITY 3D Model: ENDER-3 S1		Pcs
<input type="checkbox"/>	6	LattePanda 3	Component	Electronic Equipment	LattePanda 3 Win10		Pcs
<input type="checkbox"/>	7	Line printer	Component	Electronic Equipment	Label sleeve printing line printer		Sets

On the left side of the table, there are several dashed boxes with labels: "Search for the item you're looking for.", "Select all items", and "Select a item". On the right side, there is a dashed box labeled "Sort items by: ID, Name, QTY, Lab, Price, Total Price, Time". At the bottom right, there is a box with the text "We can click on each item to view its details." A large yellow box highlights the entire table area.

Items: 1. ADD

Use case: To register a new item.

There are two simple steps to add a new item: 1. Click the "ADD" button, and 2. Fill out the information

The screenshot shows the 'Inventory Custodian' application interface. On the left, a sidebar menu lists various inventory categories: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory, Items (which is highlighted with a yellow box), Extract Data, Labs, and Members. At the bottom of the sidebar is a user profile section with a placeholder 'User Name' and 'User Position'. The main content area has a yellow header bar with the text 'Hello USER' and a bell icon. Below the header is a table titled 'Items' with columns for ID, Name, Type, Category, Description, Photo, and Unit. The table contains seven items, each with a checkbox and a small image. A large green 'CREATE' button is located at the top right of the table area. A dashed box encloses the 'CREATE' button, and another dashed box encloses the 'Items' menu item in the sidebar.

ID	Name	Type	Category	Description	Photo	Unit
1	CNC Milling Machine	Component	Machinery	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets
2	Digital oscilloscope	Component	Machinery	Hantech Four channel Digital oscilloscope		Sets
3	Microscope	Component	Machinery	Stereo Zoom Microscope Real Watch		Sets
4	Heat Gun	Component	Machinery	Classic 850 Heat Gun		Pcs
5	3D Printer	Component	Machinery	CREALITY 3D Model: ENDER-3 S1		Pcs
6	LattePanda 3	Component	Electronic Equipment	LattePanda 3 Win10		Pcs
7	Line printer	Component	Electronic Equipment	Label sleeve printing line printer		Sets

Items: 1. ADD - Create form

How to fill out the create new item form.

After clicking "ADD" (Page 61) it will automatically change to "Create New Item" page.

Note: In this section, please provide all the necessary information related to the item you wish to add.

Only one image can be added.

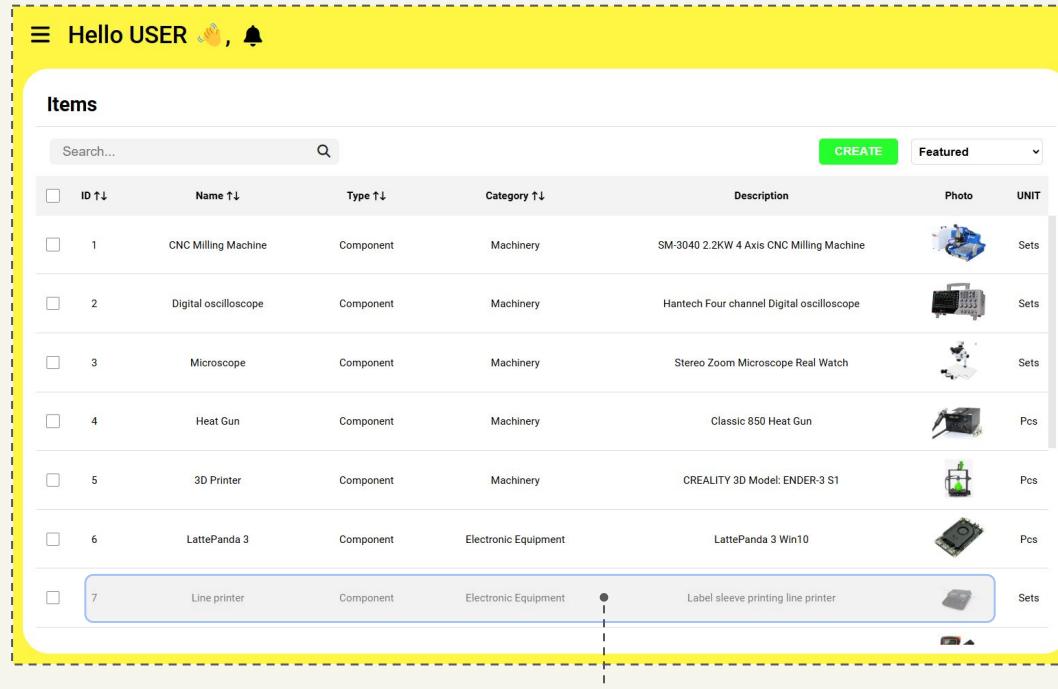
After filling in all the information, click 'Create'.

The screenshot displays the 'Inventory Custodian' application interface. On the left, a sidebar menu lists various inventory categories: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory, Items (which is highlighted), Extract Data, Labs, and Members. At the bottom of the sidebar is a user profile section with a photo, 'User Name', and 'User Position'. The main content area features a yellow header bar with the text 'Hello USER' and a bell icon. Below this is a white card titled 'Create New Item'. The card contains several input fields: 'Name:' with a placeholder 'Enter Item's name', 'Type:' with a dropdown menu 'Select Item's Type', 'Category:' with a dropdown menu 'Select Item's Category', 'Unit:' with a dropdown menu 'Select Item's Unit', and 'Description:' with a placeholder 'Enter Item's description'. To the right of these fields is a large icon of two overlapping photographs. Below the icon is a button labeled 'Upload Images'. At the bottom of the card is a prominent green 'CREATE' button. A dashed line points from the text 'After filling in all the information, click 'Create''. Another dashed line points from the text 'Only one image can be added.' to the 'Upload Images' button.

Items: 2. EDIT

Use case: This feature allows you to make changes to the information of existing items.

There is a simple step to edit a item: Just click on the desired item then you are able to edit



The screenshot shows a user interface for managing items. At the top, there is a yellow header bar with the text "Hello USER" and a bell icon. Below the header, the word "Items" is displayed in bold. A search bar and a "CREATE" button are located at the top right of the main content area. The main content is a table with the following columns: ID, Name, Type, Category, Description, Photo, and UNIT. The table contains seven rows of data. Row 7, which corresponds to the "Line printer", is highlighted with a blue border around its entire row. The data in the table is as follows:

ID	Name	Type	Category	Description	Photo	UNIT
1	CNC Milling Machine	Component	Machinery	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets
2	Digital oscilloscope	Component	Machinery	Hantech Four channel Digital oscilloscope		Sets
3	Microscope	Component	Machinery	Stereo Zoom Microscope Real Watch		Sets
4	Heat Gun	Component	Machinery	Classic 850 Heat Gun		Pcs
5	3D Printer	Component	Machinery	CREALITY 3D Model: ENDER-3 S1		Pcs
6	LattePanda 3	Component	Electronic Equipment	LattePanda 3 Win10		Pcs
7	Line printer	Component	Electronic Equipment	Label sleeve printing line printer		Sets

We can click on each item to view its details and also edit the information.

Items: 2. EDIT - Edit form

After clicking on the item (Page 63), you will be automatically directed to this page. Now you can edit the item information, including the name, category and description.

Inventory Custodian v.01

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items**
- Extract Data
- Labs
- Members

User Name
User Position

Hello USER 🙌, 🔔

Edit Item's ID: 7

Name: Line printer Type: Component

Category: Electronic Equipment Unit: Sets

Description: Label sleeve printing line printer

Upload New Image

Save

Note: On this page, you can also view extra information about the item.

After making changes, just simply click 'Save' to update the information, or click 'Back-Arrow' to cancel the changes.

PT1010

Items: 3. ADD TO

Use case: This feature allows you to add items to other inventories.

There are three simple steps to clear prototypes: 1. Select 'Items', 2. Click the 'ADD TO' button, and 3. Provide a reason.

1. Select the items you wish to add.

2. Click on "ADD TO"

ID	Name	Type	Category	Description	Photo	UNIT
1	CNC Milling Machine	Component	Machinery	SM-3040 2.2KW 4 Axis CNC Milling Machine		Sets
2	Digital oscilloscope	Component	Machinery	Hantech Four channel Digital oscilloscope		Sets
3	Microscope	Component	Machinery	Stereo Zoom Microscope Real Watch		Sets
4	Heat Gun	Component	Machinery	Classic 850 Heat Gun		Pcs
5	3D Printer	Component	Machinery	CREALITY 3D Model: ENDER-3 S1		Pcs
6	LattePanda 3	Component	Electronic Equipment	LattePanda 3 Win10		Pcs
7	Line printer	Component	Electronic Equipment	Label sleeve printing line printer		Sets

Items: 3. ADD TO - Form

After clicking 'ADD TO' (Page 65), a pop-up will appear for the 'ADD TO' form, where you can fill out the required information.

The screenshot shows a software interface for managing items. On the left, there's a list of items with checkboxes. In the center, a modal dialog box titled 'Add Digital oscilloscope To' is open. This dialog contains fields for 'Add to' (set to 'Admin Office'), 'Inventory' (set to 'Main Inventory'), 'QTY' (set to '1'), and a 'Message' text area with placeholder text 'Please enter message'. At the bottom of the dialog are 'CANCEL' and 'NEXT' buttons. The entire dialog is highlighted by a large yellow dashed box. Four numbered callouts point to specific parts of the dialog:

1. Select the lab that you want to add the items to
2. Click on "ADD TO"
3. Input QTY of item
4. Click 'NEXT' to enter different information for the next item.

Items: 3. ADD TO - Form

After filling out the information for the first item, click 'Next' to enter details for the other items.

The screenshot shows a software application window titled "Hello USER". The main area displays a list of items with checkboxes and names. A modal dialog box is open in the center, titled "Add Heat Gun To". Inside the dialog, there are three input fields: "Add to" (set to "UAVx"), "Inventory" (set to "UAVx Inventory"), and "QTY" (set to "3"). Below these fields is a small image of a heat gun. To the right of the dialog, there is a "Message" field containing the placeholder text "Please enter message". At the bottom of the dialog are two buttons: "CANCEL" (red) and "NEXT" (blue). The background of the main window shows a grid of items with icons and unit labels like "Sets", "Pcs", and "Scales".

We can also click 'PREVIOUS' to change the information.

Click 'NEXT' to enter different information for the next item.

Items: 3. ADD TO - Form

After filling out the information for all items, the 'ADD' button will appear on the last item to confirm adding the items to the specific lab or inventory you have chosen.

Hello USER 🙌, 🔔

Items

	ID ↑	Name ↑
<input type="checkbox"/>	1	CNC Milling Machine
<input checked="" type="checkbox"/>	2	Digital oscilloscope
<input type="checkbox"/>	3	Microscope
<input checked="" type="checkbox"/>	4	Heat Gun
<input type="checkbox"/>	5	3D Printer
<input checked="" type="checkbox"/>	6	LattePanda 3
<input type="checkbox"/>	7	Line printer

Search... Export as Excel

Add LattePanda 3 To

Add to	Inventory	QTY
UAVx	UAVx Inventory	1

Photo UNIT

Message
Please enter message

COMPONENT ELECTRONIC EQUIPMENT LABORATORY MACHINERY

LattePanda 3 Mini 0 Label sleeve printing line printer Sets

Extract Data: Page layout

Use case: Export all item transactions from one inventory to another in Excel format.

The screenshot shows the 'Inventory Custodian' application interface. On the left, a sidebar menu is displayed within a dashed-line box. The menu items are:

- Home
- Transfer
- Borrow
- Product Inventory
- Component Inventory
- Prototype Inventory
- Items
- Extract Data** (highlighted with a yellow background)
- Labs
- Members

A dashed arrow points from the 'Extract Data' label in the sidebar to the corresponding button on the main page. The main page has a yellow header bar with the text 'Hello USER 🙌, 🔔'. Below the header, the title 'Extract Data' is centered. To the right of the title is a green button labeled 'Export as Excel'. The main content area contains search and filter fields: 'From mm/dd/yyyy' (with a calendar icon), 'To mm/dd/yyyy' (with a calendar icon), 'All Labs' (dropdown), 'All Inventories' (dropdown), 'All Types' (dropdown), a search input field 'Search name...', and a blue 'Search' button. At the bottom right of the content area, the text 'No Result' is displayed. A yellow box highlights the 'Extract Data' button on the main page. A user profile icon and the text 'User Name User Position' are located at the bottom left of the main page.

Extract Data: Search data

Use case: To search all item transactions from one inventory to another.

There are only a few simple steps to search the data.

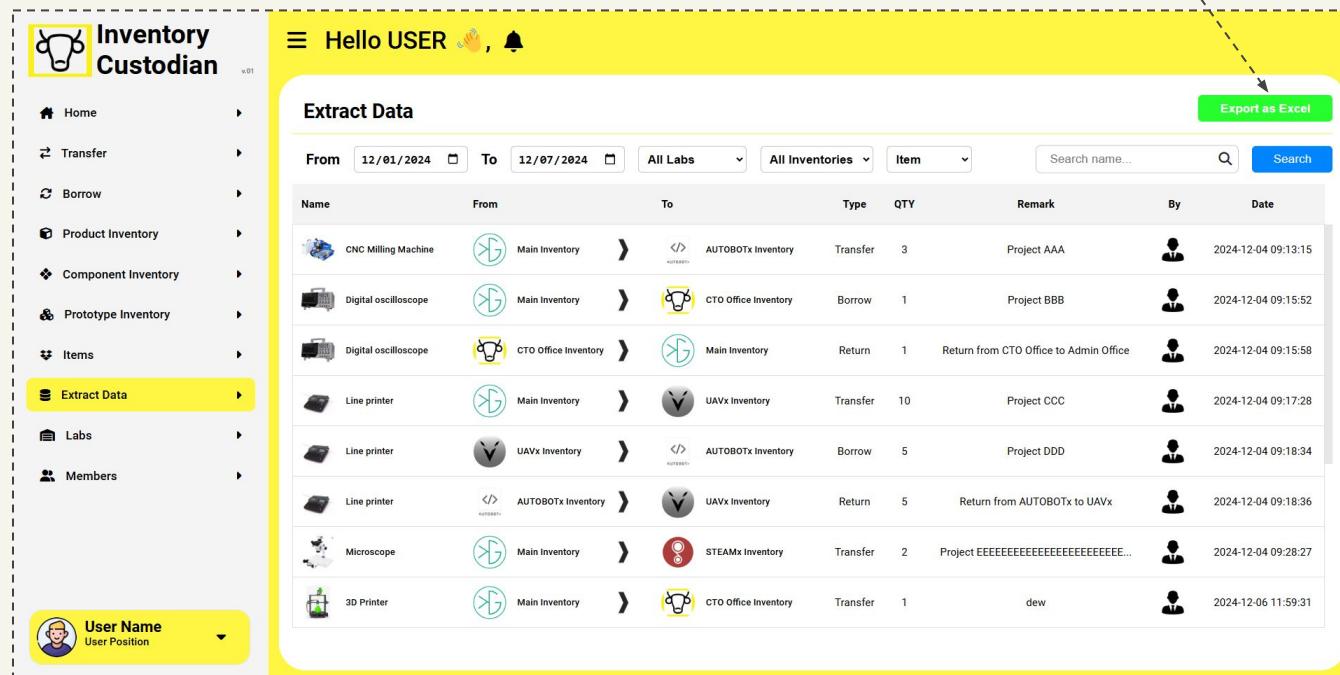
The screenshot shows the 'Inventory Custodian' application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory, Items, Extract Data (which is highlighted with a yellow box), Labs, and Members. At the bottom of the sidebar is a user profile section with a placeholder 'User Name' and 'User Position'. The main area is titled 'Hello USER' with a hand icon and a bell icon. It features a 'Extract Data' form with fields for 'From' and 'To' dates, dropdowns for 'All Labs', 'All Inventories', and 'All Types', and an 'Export as Excel' button. A search bar with placeholder 'Search name...' and a 'Search' button are also present. Annotations with dashed boxes explain the process:

- A box labeled 'Select a specific Lab' points to the 'All Labs' dropdown.
- A box labeled 'Select a specific Inventory' points to the 'All Inventories' dropdown.
- A box labeled 'Select the specific date for exporting the transaction data.' points to the date range fields ('From' and 'To').
- A box labeled 'Type:' with sub-points '- Items', '- Product', and '- Prototype' points to the 'All Types' dropdown.
- A box labeled 'Search a specific name (Optional)' points to the search bar.
- A box labeled 'Select a specific Lab' points to the 'All Labs' dropdown again.
- A large box on the right labeled 'After finishing all these steps, click 'Search' to get the results. (Result: Page 71)' covers the right side of the search form.

Extract Data: Export

After clicking 'Search' (Page 70), the data will appear on the same page. You can then export it as an Excel file by clicking 'Export as Excel'.

Click the button to Export



The screenshot shows the Inventory Custodian application interface. On the left is a sidebar with navigation links: Home, Transfer, Borrow, Product Inventory, Component Inventory, Prototype Inventory, Items, Extract Data (which is highlighted with a yellow background), Labs, and Members. At the bottom of the sidebar is a yellow box labeled 'User Name' and 'User Position'. The main area has a yellow header bar with the text 'Hello USER' and a bell icon. Below the header is a search form with fields for 'From' (12/01/2024), 'To' (12/07/2024), 'All Labs', 'All Inventories', 'Item', a search bar, and a 'Search' button. To the right of the search form is a green button labeled 'Export as Excel'. Below these is a table titled 'Extract Data' with columns: Name, From, To, Type, QTY, Remark, By, and Date. The table lists several inventory transactions:

Name	From	To	Type	QTY	Remark	By	Date
CNC Milling Machine	Main Inventory	AUTOBOTx Inventory	Transfer	3	Project AAA		2024-12-04 09:13:15
Digital oscilloscope	Main Inventory	CTO Office Inventory	Borrow	1	Project BBB		2024-12-04 09:15:52
Digital oscilloscope	CTO Office Inventory	Main Inventory	Return	1	Return from CTO Office to Admin Office		2024-12-04 09:15:58
Line printer	Main Inventory	UAVx Inventory	Transfer	10	Project CCC		2024-12-04 09:17:28
Line printer	UAVx Inventory	AUTOBOTx Inventory	Borrow	5	Project DDD		2024-12-04 09:18:34
Line printer	AUTOBOTx Inventory	UAVx Inventory	Return	5	Return from AUTOBOTx to UAVx		2024-12-04 09:18:36
Microscope	Main Inventory	STEAMx Inventory	Transfer	2	Project EEEEEEEEEEEEEEEEEE...		2024-12-04 09:28:27
3D Printer	Main Inventory	CTO Office Inventory	Transfer	1	dew		2024-12-06 11:59:31

Q&A + Demo

Thank you