Ah Ho Fruits - Storeman & Inventory Guide

Managing stock the fast way!

Simple Guide for Shop Owners and Storemen

What Does the Storeman System Do?

The Storeman system gives warehouse staff a **restricted account** to manage inventory without touching prices, descriptions, or other sensitive settings.

```
+--------------------------------------------------------------------+
|                     STOREMAN SYSTEM OVERVIEW                       |
+--------------------------------------------------------------------+
|                                                                    |
|   WHAT STOREMAN CAN DO:              WHAT STOREMAN CANNOT DO:       |
|   ----------------------             ------------------------      |
|   + Update stock quantities          x Change product prices       |
|   + View all products                x Edit product descriptions   |
|   + Use Quick Stock Update page      x Change product visibility    |
|   + Create and edit orders           x Delete orders               |
|   + View customers                   x Access WordPress settings    |
|   + View commission reports          x Install/remove plugins       |
|                                                                    |
+--------------------------------------------------------------------+
```

PART 1: Setting Up a Storeman Account

How to Create a Storeman Account

Step-by-Step Guide

Step 1: Go to Users > Add New

Step 2: Fill in the details:

```
+--------------------------------------------------------------------+
|  ADD NEW USER                                                      |
+--------------------------------------------------------------------+
|                                                                    |
|   Username:        [ahmad_storeman                    ]           |
|   Email:           [ahmad@company.com                 ]           |
|   First Name:      [Ahmad                             ]           |
|   Last Name:       [Lee                               ]           |
|   Password:        [***********] [Generate]                       |
|                                                                    |
|   Role:            [Storeman]  <-- IMPORTANT! Select this role     |
|                                                                    |
|   [Add New User]                                                   |
|                                                                    |
+--------------------------------------------------------------------+
```

That's it! The storeman can now log in and manage stock.

What the Storeman Sees When Editing a Product

When a storeman opens a product to edit, they only see the **Inventory** tab. All other tabs and pricing fields are hidden:

```
+--------------------------------------------------------------+
|  EDIT PRODUCT: Fuji Apple                                    |
+--------------------------------------------------------------+
|                                                              |
|  ADMIN sees:               STOREMAN sees:                    |
|  -----------               --------------                    |
|  [General]                 (hidden)                          |
|  [Inventory]  <--          [Inventory]  <-- Only this tab!    |
|  [Shipping]                (hidden)                          |
|  [Linked Products]         (hidden)                          |
|  [Attributes]              (hidden)                          |
|  [Advanced]                (hidden)                          |
|                                                              |
|  Price fields:             (hidden + server-protected)       |
|  Description:              (hidden)                          |
|  Visibility:               (hidden)                          |
|                                                              |
+--------------------------------------------------------------+
```

Security: Even if someone tries to submit price changes via browser tools, the server will **reject the changes** and restore the original prices. Prices are protected at the database level.

PART 2: Quick Stock Update Page

This is the **main feature** for storemen. It lets you update stock for ALL products from one page, with no need to open each product individually.

How to Access

Go to: **Products > Quick Stock Update**

```
+--------------------------------------------------------------+
|  WordPress Admin Sidebar                                     |
+--------------------------------------------------------------+
|                                                              |
|  Products                                                    |
|     |-- All Products                                         |
|     |-- Add new product                                      |
|     |-- Categories                                           |
|     |-- Tags                                                 |
|     |-- Attributes                                           |
|     |-- Quick Stock Update  <-- Click here!                  |
|     |-- Reviews                                              |
|                                                              |
+--------------------------------------------------------------+
```

Page Layout

The Quick Stock Update page has **4 sections**:

```
+-----------------------------------------------------------------+
| QUICK STOCK UPDATE                                              |
+-----------------------------------------------------------------+
|                                                                 |
| 1. SUMMARY CARDS (click to filter)                             |
| +----------------+ +----------------+ +----------+ +-------------+ |
| | All Products   | | In Stock       | | Low Stock| | Out of Stock | |
| |     127        | |     98         | |    12    | |     17      | |
| +----------------+ +----------------+ +----------+ +-------------+ |
|                                                                 |
| 2. FILTERS                                                     |
| [Select a category v]  [Filter by product name or SKU...    ]  |
|                                            Showing 45 of 127   |
|                                                                 |
| 3. STOCK TABLE                                                 |
| +------+------------------+----------+-------+-----------------+   |
| | Img  | Product Name   ^ | Category | Stock | New Stock      |   |
| +------+------------------+----------+-------+-----------------+   |
| | [pic]| Fuji Apple       | Apples   |  25   | [-] [25 ] [+]  |   |
| | [pic]| Red Dragonfruit  | Tropical |   3   | [-] [ 3 ] [+]  |   |
| | [pic]| Solo Papaya      | Tropical |   0   | [-] [ 0 ] [+]  |   |
| +------+------------------+----------+-------+-----------------+   |
|                                                                 |
| 4. STICKY FOOTER                                               |
| +----------------------------------------------------------+    |
| | [Update All Stock (3)]  3 unsaved changes  Reset all changes |    |
| +----------------------------------------------------------+    |
|                                                                 |
+-----------------------------------------------------------------+
```

Section 1: Summary Cards

The four cards at the top show a quick overview of your inventory:

```
+-----------------------------------------------------------------+
| SUMMARY CARDS                                                  |
+-----------------------------------------------------------------+
|                                                                 |
| +------------------+  Each card shows a count and is CLICKABLE: |
| |  ALL PRODUCTS    |                                            |
| |     127          | Click "All Products"  --> Show everything  |
| +------------------+ Click "In Stock"       --> Show stock > 0   |
|                     Click "Low Stock"      --> Show stock 1-5   |
| Color coding:       Click "Out of Stock"  --> Show stock = 0   |
| - In Stock:  GREEN                                             |
| - Low Stock: YELLOW (1-5 units)                               |
| - Out of Stock: RED (0 units)                                 |
|                                                                 |
| The active card is highlighted in BLUE.                       |
|                                                                 |
+-----------------------------------------------------------------+
```

Tip: Click "Out of Stock" every morning to quickly see what needs restocking!

Section 2: Filters

Two filters work **together** to narrow down the product list:

```
+-----------------------------------------------------------------+
| FILTERS                                                         |
+-----------------------------------------------------------------+
|                                                                 |
| CATEGORY DROPDOWN:                                              |
| [All Categories          v]                                    |
| [Apples (15)             ]                                     |
| [Berries (8)             ]                                     |
| [Citrus (12)             ]                                     |
| [Tropical (23)           ]                                     |
| [Stone Fruits (9)        ]                                     |
|                                                                 |
| SEARCH BOX:                                                     |
| [Filter by product name or SKU...                    ]   |
|                                                                 |
| Type "apple" --> Shows all products with "apple" in name or SKU |
| Type "CTN"   --> Shows all products with "CTN" in SKU          |
|                                                                 |
| All filtering is INSTANT (no page reload needed).              |
|                                                                 |
| You can COMBINE filters:                                       |
| Category: "Tropical" + Search: "papaya" + Card: "In Stock"     |
| = Shows only in-stock tropical papayas                         |
|                                                                 |
+-----------------------------------------------------------------+
```

Section 3: Stock Table

The main table where you view and edit stock quantities:

Column Details

```
+-----------------------------------------------------------------+
| TABLE COLUMNS                                                   |
+-----------------------------------------------------------------+
|                                                                 |
| 1. THUMBNAIL (32x32 image)                                     |
|    - Shows product photo                                       |
|    - Hidden on mobile to save space                            |
|                                                                 |
| 2. PRODUCT NAME (sortable -- click header)                     |
|    - Click the name to open product edit page                  |
|    - SKU shown in gray below the name                          |
|                                                                 |
| 3. CATEGORY (sortable)                                         |
|    - Shows all categories for the product                      |
|    - Hidden on mobile to save space                            |
|                                                                 |
| 4. CURRENT STOCK (sortable)                                    |
|    - Color coded:                                              |
|      GREEN  = good (more than 5)                               |
|      YELLOW = low (1-5 units)                                  |
|      RED    = out of stock (0)                                 |
|                                                                 |
| 5. NEW STOCK (editable)                                        |
|    [-] [  25  ] [+]                                            |
|     |     |      |                                             |
```

```
|       |       |          +-- Click to add 1                      |
|       |       +---------- Type a number directly                 |
|       +---------------- Click to subtract 1                       |
|                                                                   |
+-------------------------------------------------------------------+
```

Sorting

Click any **column header** to sort:

```
+---------------------------------------------------------------------+
|  SORTING                                                            |
+---------------------------------------------------------------------+
|                                                                     |
|  Click "Product Name"  --> Sort A-Z (click again for Z-A)           |
|  Click "Category"      --> Sort A-Z (click again for Z-A)           |
|  Click "Stock"         --> Sort lowest first (click again for highest)|
|                                                                     |
|  Arrow shows direction:  ^ = ascending    v = descending            |
|                                                                     |
|  TIP: Sort by Stock (ascending) to see out-of-stock items first!    |
|                                                                     |
+---------------------------------------------------------------------+
```

Editing Stock

When you change a stock value, the row turns **yellow** to show it has unsaved changes:

```
+---------------------------------------------------------------------+
|  EDITING STOCK                                                      |
+---------------------------------------------------------------------+
|                                                                     |
|  BEFORE EDIT:                                                       |
|  | Fuji Apple        | Apples   | 25   | [-] [25 ] [+]   |         |
|                                                                     |
|  AFTER EDIT (row turns yellow):                                     |
|  | Fuji Apple        | Apples   | 25   | [-] [30 ] [+]   | YELLOW  |
|                                                                     |
|  THREE WAYS TO EDIT:                                                |
|  1. Click [-] or [+] buttons to adjust by 1                        |
|  2. Click the number and type a new value                          |
|  3. Use keyboard: Tab/Enter to move between rows                   |
|                                                                     |
|  KEYBOARD SHORTCUTS:                                                |
|  Enter      --> Move to next product                               |
|  Arrow Down --> Move to next product                               |
|  Arrow Up   --> Move to previous product                           |
|                                                                     |
+---------------------------------------------------------------------+
```

Section 4: Sticky Footer (Save Bar)

The save bar stays at the bottom of the screen so you can always see it:

```
+---------------------------------------------------------------------+
|  STICKY FOOTER                                                      |
+---------------------------------------------------------------------+
```

```
|                                                                    |
|  +--------------------------------------------------------+  |
|  | [Update All Stock (5)]   5 unsaved changes  Reset all changes  |  |
|  +--------------------------------------------------------+  |
|                                                                    |
|  BUTTON: "Update All Stock (5)"                              |
|  - Shows the number of products you've changed          |
|  - Click to save ALL changes at once                      |
|  - A confirmation popup will ask: "Update stock for 5 product(s)?"  |
|                                                                    |
|  COUNTER: "5 unsaved changes" (red text)                   |
|  - Reminds you to save before leaving                     |
|                                                                    |
|  LINK: "Reset all changes"                                  |
|  - Undoes ALL edits and restores original values        |
|  - Only appears when you have unsaved changes           |
|                                                                    |
|  AFTER SAVING:                                                |
|  - Updated rows flash GREEN for 2 seconds                 |
|  - Summary cards update with new counts                   |
|  - Success message: "5 product(s) updated successfully."  |
|                                                                    |
+--------------------------------------------------------------+
```

Warning: If you try to leave the page with unsaved changes, the browser will ask "Are you sure you want to leave?"

PART 3: Typical Daily Workflow

Morning Stock Check

```
+----------------------------------------------------------------+
|  MORNING STOCK CHECK WORKFLOW                                  |
+----------------------------------------------------------------+
|                                                                |
|  1. Log in to WordPress admin                                 |
|               |                                               |
|               v                                               |
|  2. Go to Products > Quick Stock Update                       |
|               |                                               |
|               v                                               |
|  3. Click "Out of Stock" summary card                         |
|     --> See all products that need restocking                |
|               |                                               |
|               v                                               |
|  4. Check deliveries received and update quantities           |
|     --> Use +/- buttons or type new values                   |
|               |                                               |
|               v                                               |
|  5. Click "Update All Stock"                                  |
|     --> Confirm the update                                    |
|     --> All changes saved!                                    |
|               |                                               |
|               v                                               |
|  6. Click "Low Stock" card to check what's running low        |
|     --> Plan your next order accordingly                     |
|                                                                |
+----------------------------------------------------------------+
```

Receiving a Delivery

```
+----------------------------------------------------------------------+
| RECEIVING DELIVERY WORKFLOW                                          |
+----------------------------------------------------------------------+
|                                                                      |
| 1. Go to Quick Stock Update                                          |
|                 |                                                    |
|                 v                                                    |
| 2. Use CATEGORY FILTER to select the delivery category              |
|    Example: Select "Tropical" for a tropical fruit delivery         |
|                 |                                                    |
|                 v                                                    |
| 3. For each product received:                                       |
|    - Find it in the list (use search if needed)                     |
|    - Enter the NEW total quantity                                   |
|      (current stock + received quantity)                            |
|                 |                                                    |
|                 v                                                    |
| 4. Click "Update All Stock" when done                               |
|                                                                      |
| EXAMPLE:                                                             |
| Papaya currently shows 3 in stock.                                  |
| You received 20 more.                                               |
| Type 23 in the "New Stock" field (3 + 20 = 23).                     |
|                                                                      |
+----------------------------------------------------------------------+
```

PART 4: Mobile Usage

The Quick Stock Update page works on **phones and tablets**. On smaller screens:

```
+----------------------------------------------------------------------+
| MOBILE LAYOUT                                                        |
+----------------------------------------------------------------------+
|                                                                      |
| CHANGES ON MOBILE:                                                   |
| - Summary cards arrange in a 2x2 grid                               |
| - Thumbnail and Category columns are hidden                         |
| - SKU is hidden (just product name shown)                           |
| - +/- buttons are larger (easier to tap)                           |
| - Search box goes full width                                        |
| - Update button goes full width                                     |
|                                                                      |
| MOBILE VIEW:                                                         |
| +-------------------------------------------+                        |
| | +------+ +------+                     |                           |
| | | All  | |In Stock|                  |                           |
| | | 127  | |  98  |                     |                           |
| | +------+ +------+                     |                           |
| | +------+ +------+                     |                           |
| | | Low  | | Out  |                     |                           |
| | |  12  | |  17  |                     |                           |
| | +------+ +------+                     |                           |
| |                                       |                           |
| | [All Categories            v]         |                           |
| | [Search...                  ]         |                           |
| |                                       |                           |
| | Product Name    | Stock | New Stock   |                           |
| | ----------------+-------+------------- |                           |
| | Fuji Apple      |  25   | [-] [25] [+]  |                         |
| | Red Dragonfruit |   3   | [-] [ 3] [+]  |                         |
```

```
|  | Solo Papaya    |   0  | [−] [ 0] [+]  |                    |
|  |                |      |               |                   |
|  | [     Update All Stock (3)            ]  |                |
|  +------------------------------------------+               |
|                                                             |
+-------------------------------------------------------------+
```

PART 5: Troubleshooting

Common Issues and Fixes

```
+----------------------------------------------------------+
| PROBLEM: "Permission Denied" when accessing Quick Stock Update |
+----------------------------------------------------------+
|                                                          |
| CAUSE: User does not have the Storeman or Admin role.    |
|                                                          |
| FIX:                                                     |
| 1. Go to Users > All Users                               |
| 2. Find the user and click "Edit"                        |
| 3. Change their Role to "Storeman"                       |
| 4. Click "Update User"                                   |
|                                                          |
+----------------------------------------------------------+


+----------------------------------------------------------+
| PROBLEM: Stock changes not saving (error message)        |
+----------------------------------------------------------+
|                                                          |
| CAUSE: Session may have expired (security token timeout).|
|                                                          |
| FIX:                                                     |
| 1. Refresh the page (F5)                                 |
| 2. Make your changes again                               |
| 3. Click "Update All Stock"                              |
|                                                          |
| If still not working: Log out and log back in.           |
|                                                          |
+----------------------------------------------------------+


+----------------------------------------------------------+
| PROBLEM: Product not appearing in the list               |
+----------------------------------------------------------+
|                                                          |
| CAUSE: Product may be in Draft/Private status or filter may be on. |
|                                                          |
| FIX:                                                     |
| 1. Click "All Products" summary card to remove filters   |
| 2. Clear the search box                                  |
| 3. Set category to "All Categories"                      |
| 4. If still missing: Product may be Draft -- ask admin to publish |
|                                                          |
| NOTE: Only PUBLISHED products appear in Quick Stock Update. |
|                                                          |
+----------------------------------------------------------+


+----------------------------------------------------------+
| PROBLEM: "Are you sure you want to leave?" popup          |
+----------------------------------------------------------+
|                                                          |
| CAUSE: You have unsaved stock changes.                   |
|                                                          |
| FIX:                                                     |
```

```
|   Option 1: Click "Stay" and then "Update All Stock" to save    |
|   Option 2: Click "Leave" if you want to discard changes        |
|                                                                 |
+-----------------------------------------------------------------+
```

PART 6: Stock Color Guide

Quick reference for the color coding used throughout the system:

```
+-----------------------------------------------------------------+
|  STOCK COLOR REFERENCE                                          |
+-----------------------------------------------------------------+
|                                                                 |
|  COLOR       MEANING              WHEN                           |
|  ----------  -------------------  ---------------------------    |
|  GREEN       Good stock level     More than 5 units             |
|  YELLOW      Low stock warning    Between 1 and 5 units         |
|  RED         Out of stock         0 units                       |
|                                                                 |
|  ROW COLORS:                                                    |
|  ----------  -------------------  ---------------------------    |
|  YELLOW ROW  Unsaved change       You edited but haven't saved  |
|  GREEN ROW   Just saved           Flashes green for 2 seconds   |
|  WHITE ROW   No changes           Normal state                  |
|                                                                 |
+-----------------------------------------------------------------+
```

PART 7: Security Overview

What Protects the System

```
+-----------------------------------------------------------------+
|  SECURITY LAYERS                                                |
+-----------------------------------------------------------------+
|                                                                 |
|  LAYER 1: ROLE-BASED ACCESS                                    |
|  Only Admin and Storeman roles can access Quick Stock Update.  |
|  Other roles (customers, subscribers) cannot see the page.     |
|                                                                 |
|  LAYER 2: HIDDEN FIELDS (UI)                                   |
|  When a storeman edits a product, pricing and description fields|
|  are hidden with CSS. They cannot see or interact with them.   |
|                                                                 |
|  LAYER 3: SERVER-SIDE PROTECTION                               |
|  Even if someone bypasses the hidden fields using browser tools,|
|  the server RESTORES original prices after every save.         |
|  Prices CANNOT be changed by a storeman. Period.               |
|                                                                 |
|  LAYER 4: NONCE VERIFICATION                                   |
|  Every stock update request includes a security token.         |
|  Requests without a valid token are rejected (prevents CSRF).  |
|                                                                 |
|  LAYER 5: INPUT VALIDATION                                     |
|  Product IDs and quantities are validated server-side.         |
|  Negative quantities are automatically set to 0.               |
```

```
         |                                                           |
         +-----------------------------------------------------------+
```

PART 8: Technical Reference (For Developers)

File Locations

```
Plugin Root: wp-content/plugins/ah-ho-custom/

Storeman Files:
  includes/storeman-product-access.php    -- Product edit restrictions
  includes/storeman-inventory.php          -- Quick Stock Update page
  includes/salesperson-roles.php           -- Storeman role & capabilities
```

Key Functions

Function	File	Purpose
ah_ho_is_current_user_storeman()	storeman-product-access.php	Check if user has storeman role
ah_ho_storeman_product_tabs()	storeman-product-access.php	Restrict product tabs to Inventory only
ah_ho_storeman_hide_product_fields()	storeman-product-access.php	CSS hide pricing/description fields
ah_ho_storeman_protect_price_fields()	storeman-product-access.php	Server-side price protection
ah_ho_register_stock_update_page()	storeman-inventory.php	Register admin menu page
ah_ho_render_quick_stock_page()	storeman-inventory.php	Render the Quick Stock Update UI
ah_ho_bulk_update_stock_handler()	storeman-inventory.php	AJAX handler for bulk stock updates
ah_ho_register_storeman_role()	salesperson-roles.php	Create storeman role on activation
ah_ho_update_storeman_role()	salesperson-roles.php	Sync capabilities on plugin load

WordPress Hooks Used

Hook	Type	Purpose
admin_menu	Action	Register Quick Stock Update submenu
admin_head	Action	Inject CSS to hide fields for storeman
woocommerce_product_data_tabs	Filter	Remove tabs except Inventory
woocommerce_process_product_meta	Action	Protect price fields on save

Hook	Type	Purpose
`wp_ajax_ah_ho_bulk_update_stock`	Action	Handle AJAX stock updates
`plugins_loaded`	Action	Register/update storeman role

AJAX Endpoint

```
URL:     /wp-admin/admin-ajax.php
Action: ah_ho_bulk_update_stock
Method: POST

Request:
  nonce:   (string)  Security token from wp_create_nonce()
  updates: (JSON)    [{"product_id": 123, "new_qty": 50}, ...]

Response (success):
  {"success": true, "data": {"message": "5 product(s) updated.", "updated": 5, "errors": []}}

Response (error):
  {"success": false, "data": {"message": "Security check failed."}}
```

Storeman Role Capabilities

Capability	Granted	Purpose
`read`	Yes	Basic WordPress access
`edit_products`	Yes	Edit product inventory
`edit_others_products`	Yes	Edit all products
`edit_published_products`	Yes	Edit published products
`edit_shop_orders`	Yes	Edit orders
`create_shop_orders`	Yes	Create orders
`list_users`	Yes	View user list
`create_users`	Yes	Create customers
`delete_shop_orders`	No	Cannot delete orders
`manage_options`	No	Cannot access settings
`install_plugins`	No	Cannot manage plugins

Quick Reference Card

```
+-----------------------------------------------------------------+
|  STOREMAN QUICK REFERENCE                                       |
+-----------------------------------------------------------------+
|                                                                 |
|  ACCESS:    Products > Quick Stock Update                       |
```

```
|   FILTER:     Category dropdown + Search box + Summary cards        |
|   EDIT:       Click +/− buttons or type numbers directly           |
|   NAVIGATE:   Enter or Arrow keys to move between rows              |
|   SAVE:       Click "Update All Stock" button at bottom            |
|   UNDO:       Click "Reset all changes" to discard edits           |
|   SORT:       Click column headers (Name, Category, Stock)         |
|                                                                     |
|   COLORS:     GREEN = good | YELLOW = low (1−5) | RED = out (0)     |
|                                                                     |
+---------------------------------------------------------------------+
```

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