

Inventory Management System – Html Css JavaScript

Project Structure

```
inventory-system/  
|  
├─ index.html      ← Main HTML structure  
├─ style.css       ← Styles for layout and visuals  
└─ script.js       ← JavaScript logic (CRUD + storage)
```

Purpose

This is a **simple inventory management web app** that allows users to:

- Add items with name, quantity, and price
- View all added items in a table
- Delete items from the inventory
- Store and retrieve inventory data using browser `localStorage`

No backend server or external database is required. Everything runs locally in the browser.

Technologies Used

Feature	Tech Used
Layout	HTML
Styles	CSS (modern UI)
Logic	JavaScript (ES6)
Storage	<code>localStorage</code>

File Explanations

1. `index.html`

Contains the structure:

- A form to add new items
- A table to display inventory items
- Connects to `style.css` and `script.js`

```
<form id="item-form">
  <input type="text" id="name" placeholder="Item Name" required>
  <input type="number" id="quantity" placeholder="Quantity" required>
  <input type="number" id="price" placeholder="Price ($)" required>
  <button type="submit">+ Add Item</button>
</form>
```

2. `style.css`

Provides a clean and responsive design:

- Flexbox layout for inputs
- Button hover effects
- Table with alternating colors
- Rounded borders and shadows

```
.input-group button:hover {
  background-color: #2980b9;
}
```

```
tbody tr:hover {
```

```
background-color: #f0f8ff;
}
```

3. **script.js**

Handles the logic:

- Loads existing items from `localStorage`
- Adds new items to the inventory array
- Deletes selected items
- Updates both UI and local storage

Key Functions:

```
function saveItems() {
  localStorage.setItem('inventory', JSON.stringify(items));
}
```

```
function renderItem() {
  // Loop through array and display each item in the table
}
```

How It Stores Data

- Uses `localStorage.setItem()` to save the inventory as a JSON string.
- Uses `localStorage.getItem()` to load it on page load.
- Data stays saved even after refresh or browser close.

Example:

```
localStorage.setItem('inventory', JSON.stringify(items));
```

Features

- Add Item 
 - View Items in Table 
 - Delete Item 
 - Persistent Storage 
 - Responsive UI 
-

How to Use

1. Open `index.html` in any modern browser.
 2. Use the form to add inventory items.
 3. Items will appear below in a table.
 4. Click **Delete** to remove an item.
 5. Refresh the page — data will still be there!
-

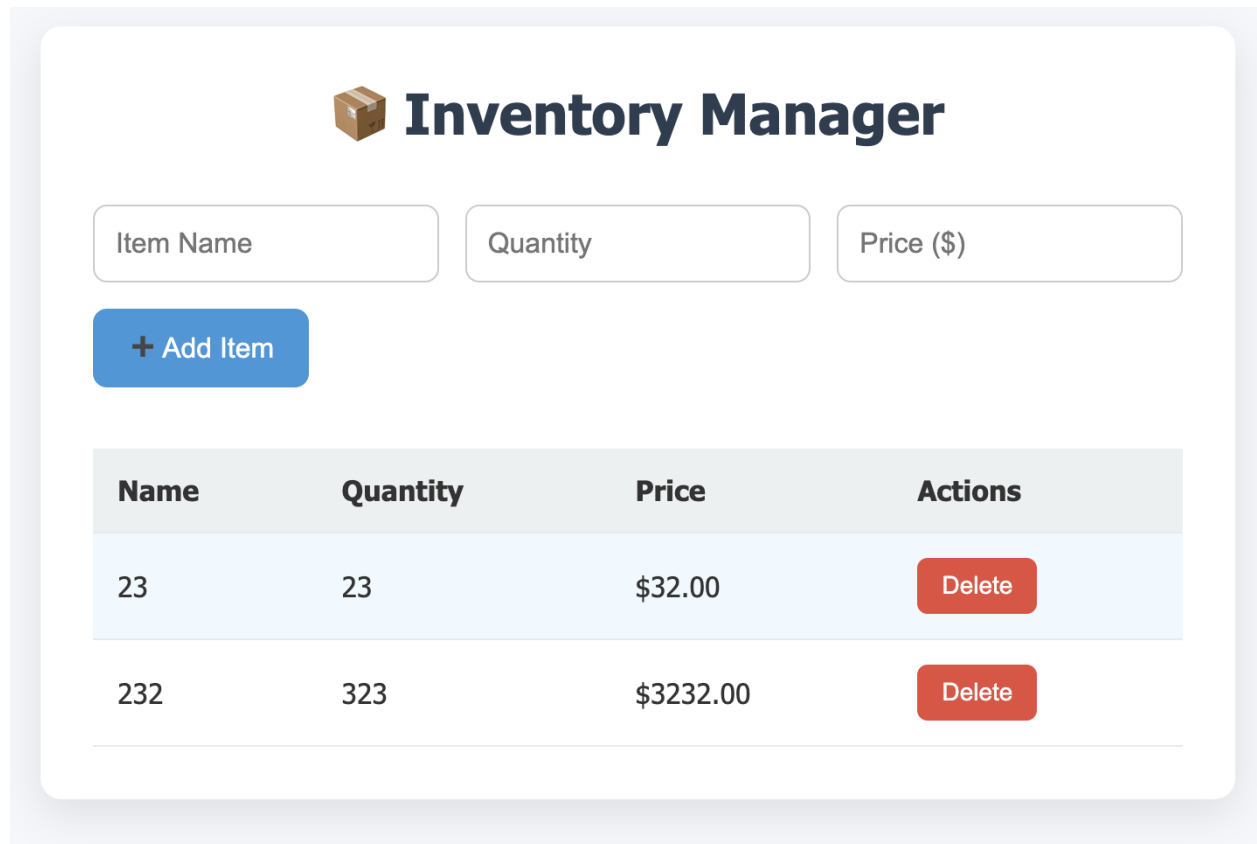
Ideas for Future Improvements

Feature	Description
Edit Item	Allow in-place editing of table rows
Search	Add a search box to filter items
Sort	Enable sorting by quantity or price

Export CSV Download inventory as a [.csv](#) file

Dark Mode Theme switcher with toggle

Screenshots::





Inventory Manager

+ Add Item

Name	Quantity	Price	Actions
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