

User Guide

Introduction

The PerfectPens Inventory Management System (IMS) is cloud-hosted and prepopulated with the inventory data previously provided by PerfectPens. Because the application is already installed on the web server and the database was configured by the developer, there are no additional installation or setup instructions aside from the login instructions below.

System Requirements

1. Device Compatibility:

- Desktop, laptop, or mobile device.
- Operating Systems: Windows, macOS, Linux, or mobile OS (iOS, Android).
- Recommended screen resolution: 1280x800 pixels or higher.⁴

2. Web Browser:

- Supported web browsers: Google Chrome, Mozilla Firefox, Microsoft Edge, Safari (latest versions)
- Enable JavaScript and cookies in the browser settings.

3. Internet Connection:

- Stable and reliable internet connection with sufficient bandwidth to access web applications.

Logging In

A screenshot of the PerfectPens login interface. The title "PerfectPens" is centered at the top. Below it, there is a white rectangular box containing the login fields. The "User Name" field is labeled "User Name :" and contains the text "WGUEvaluation". The "Password" field is labeled "Password:" and contains a series of dots. Below the password field is a dark grey button with the text "Sign In" in white. A green arrow points from the right side of the image towards the "Sign In" button.

1. In your web browser, navigate to: <http://perfectpens.us-east-1.elasticbeanstalk.com/>.
2. Enter the login credentials provided in the application's documentation.
3. Click '**Sign In**'.
4. *Note: This login information can only be changed by the developer. Please contact technical support to add users or change login information.*

Parts

Add a New Part

Parts

Filter:

Search

Clear

Add Inhouse Part

Add Outsourced Part

Name	Price	Inventory	Minimum Inventory	Maximum Inventory	Action
Red Paint	0.5	67	20	100	<div>Update</div> <div>Delete</div>
Yellow Paint	0.5	51	15	90	<div>Update</div> <div>Delete</div>
Blue Paint	0.5	44	10	80	<div>Update</div> <div>Delete</div>
Ink Refill	2.5	98	30	120	<div>Update</div>

1. On the home screen, choose either the **'Add Inhouse Part'** or **'Add Outsourced Part'** button.

Outsourced Part Detail

Name:

Price:

Inventory:

Minimum Inventory:

Maximum Inventory:

Company Name:

2. On the **'Outsourced Part Detail'** page, enter the new part's details into the form.
3. Click the **'Submit'** button.

Update an Existing Part

Parts

Filter:

Search

Clear

Add Inhouse Part

Add Outsourced Part

Name	Price	Inventory	Minimum Inventory	Maximum Inventory	Action
Red Paint	0.5	67	20	100	<div>Update</div> <div>Delete</div>
Yellow Paint	0.5	51	15	90	<div>Update</div> <div>Delete</div>
Blue Paint	0.5	44	10	80	<div>Update</div> <div>Delete</div>
Ink Refill	2.5	98	30	120	<div>Update</div>

1. To update an existing part, find the part in the parts table on the home screen.
2. Click the '**Update**' button.

Outsourced Part Detail

Name:	<input type="text" value="Red Paint"/>
Price:	<input type="text" value="0.5"/>
Inventory:	<input type="text" value="67"/>
Minimum Inventory:	<input type="text" value="20"/>
Maximum Inventory:	<input type="text" value="100"/>
Company Name:	<input type="text" value="Company Name"/>
	<input type="button" value="Submit"/>
	<input type="button" value="Back to Main Screen"/>

3. Enter the new information into the form.
4. Click the '**Submit**' button.

Delete a Part

Parts

Filter:

Search

Clear

Add Inhouse Part

Add Outsourced Part

Name	Price	Inventory	Minimum Inventory	Maximum Inventory	Action
Red Paint	0.5	67	20	100	<div>Update</div> <div>Delete</div>
Yellow Paint	0.5	51	15	90	<div>Update</div> <div>Delete</div>
Blue Paint	0.5	44	10	80	<div>Update</div> <div>Delete</div>
Ink Refill	2.5	98	30	120	<div>Update</div>

1. To delete an existing part, find the part in the parts table on the home screen.
2. Click the '**Delete**' button.

Products

Add a New Product

Products			
Filter:		<input type="text"/>	
		<input type="button" value="Search"/>	<input type="button" value="Clear"/>
Add Product			
			<input type="button" value="Delete"/>
Green Pen	19.99	41	<input type="button" value="Sell Now"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>
Blue Pen	9.99	25	<input type="button" value="Sell Now"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>

1. On the home screen, click the '**Add Product**' button.

Product Detail

Name:

Price:

Inventory:



2. On the '**Product Detail**' page, enter the new product's details and click the '**Submit**' button.

Attach Parts to Products

Available Parts

Name	Price	Inventory	Action
Yellow Paint	0.5	51	Add
Blue Paint	0.5	44	Add
Ink Refill	2.5	98	Add
Pen Body	10.5	75	Add
NewPart	5.48	20	Add

Associated Parts

Name	Price	Inventory	Action
RedPaint	0.5	67	Remove



1. To associate a part with a product, find the part on the product's details page, and click the '**Add**' button.

2. Note: If you decrease the inventory of a product with associated parts, the inventory of the associated part will also be decremented.

Remove Attached Parts to Products

Available Parts			
Name	Price	Inventory	Action
Yellow Paint	0.5	51	Add
Blue Paint	0.5	44	Add
Ink Refill	2.5	98	Add
Pen Body	10.5	75	Add
NewPart	5.48	20	Add

Associated Parts			
Name	Price	Inventory	Action
RedPaint	0.5	67	Remove


[Back to Main Screen](#)

1. To remove an associate part from a product, find the part in the '**Associated Parts**' table on the bottom of the product's details page, and click the '**Remove**' button.

Update an Existing Product

Products			
Filter: <input type="text"/>		<input type="button" value="Search"/>	<input type="button" value="Clear"/>
Add Product			
			<input type="button" value="Delete"/>
Green Pen	19.99	41	<input type="button" value="Sell Now"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>
Blue Pen	19.99	25	<input type="button" value="Sell Now"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>

1. To update an existing product, find the product in the product table on the home screen.
2. Click the '**Update**' button.



Product Detail

Name:
NewPart

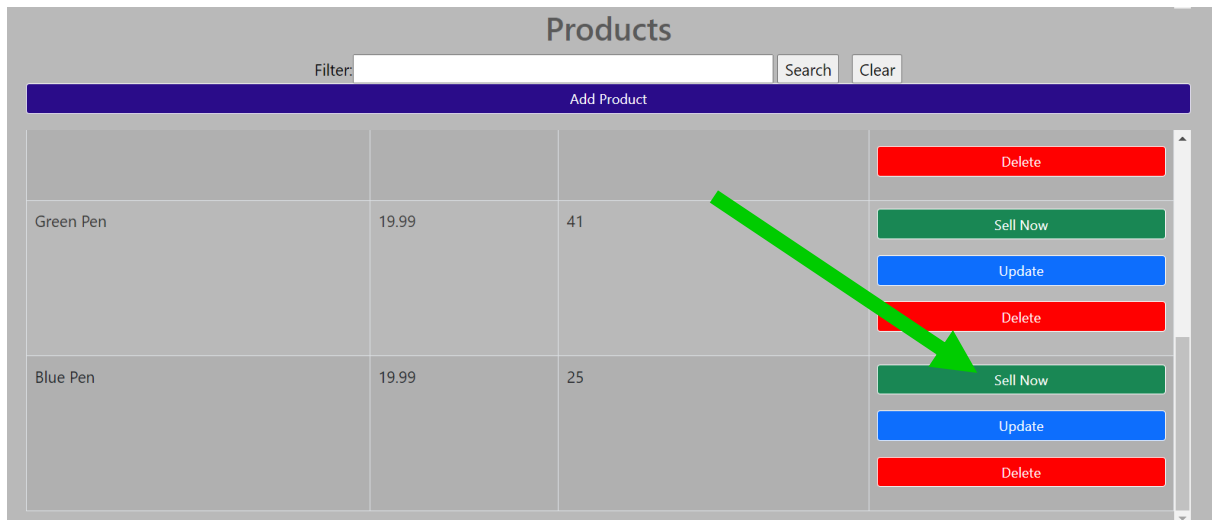
Price:
22.99

Inventory:
100

Submit

3. Edit the information for the product on the '**Product Detail**' page.
4. Click the '**Submit**' button.

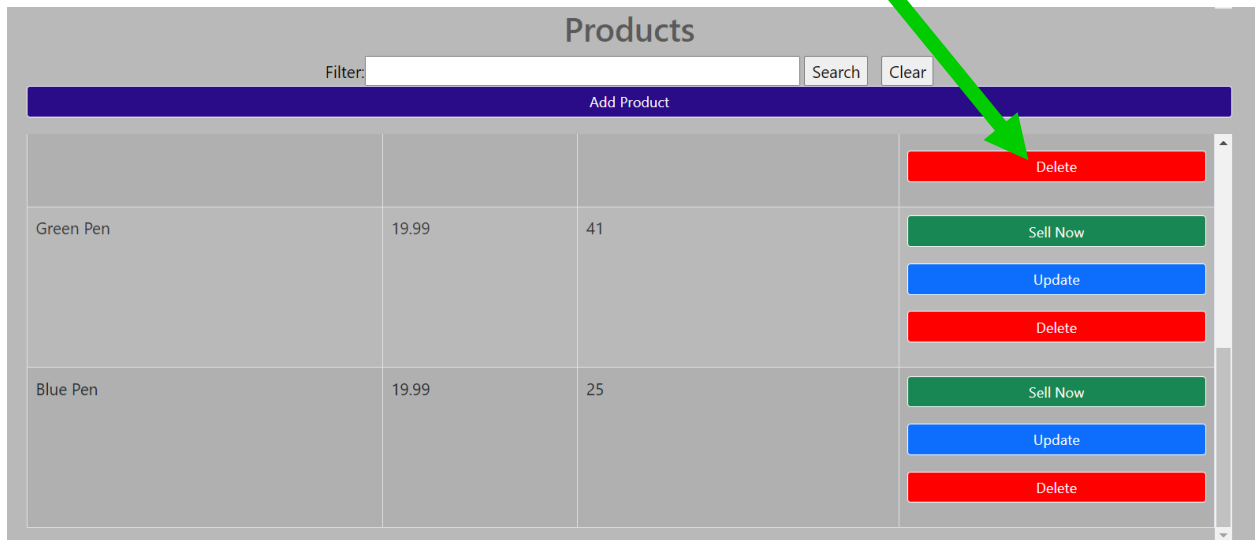
Sell a Product



Products			
Filter:		Search	Clear
Add Product			
			Delete
Green Pen	19.99	41	Sell Now Update Delete
Blue Pen	19.99	25	Sell Now Update Delete

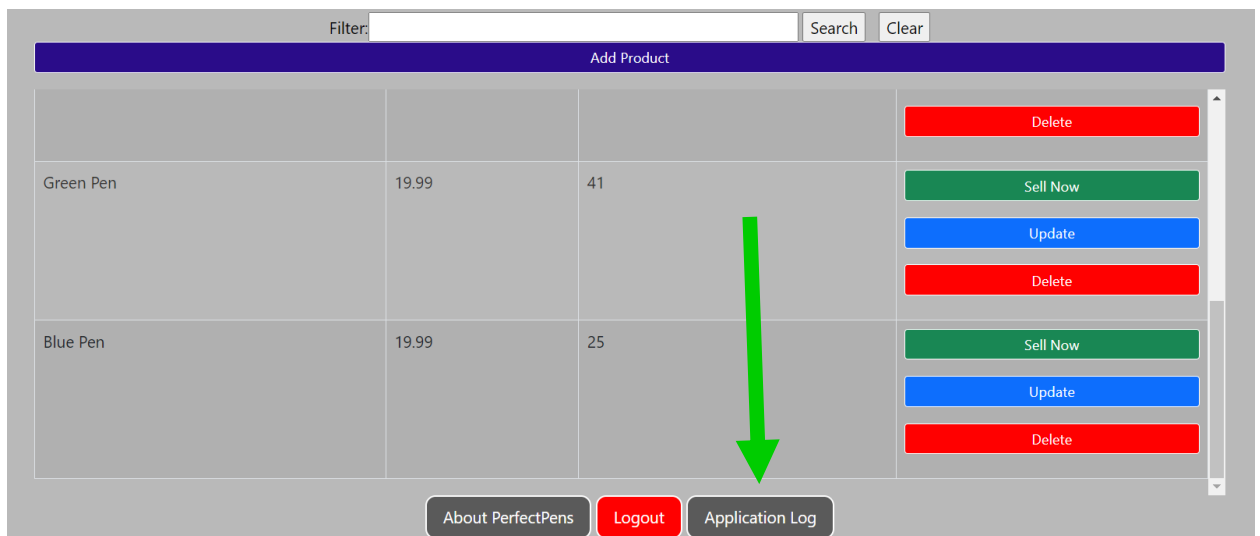
1. To sell a product, find the product in the product table on the home screen.
2. Click the '**Sell**' button.
3. *Note: Selling a product decrements the inventory of the product by one.*

Delete a Product



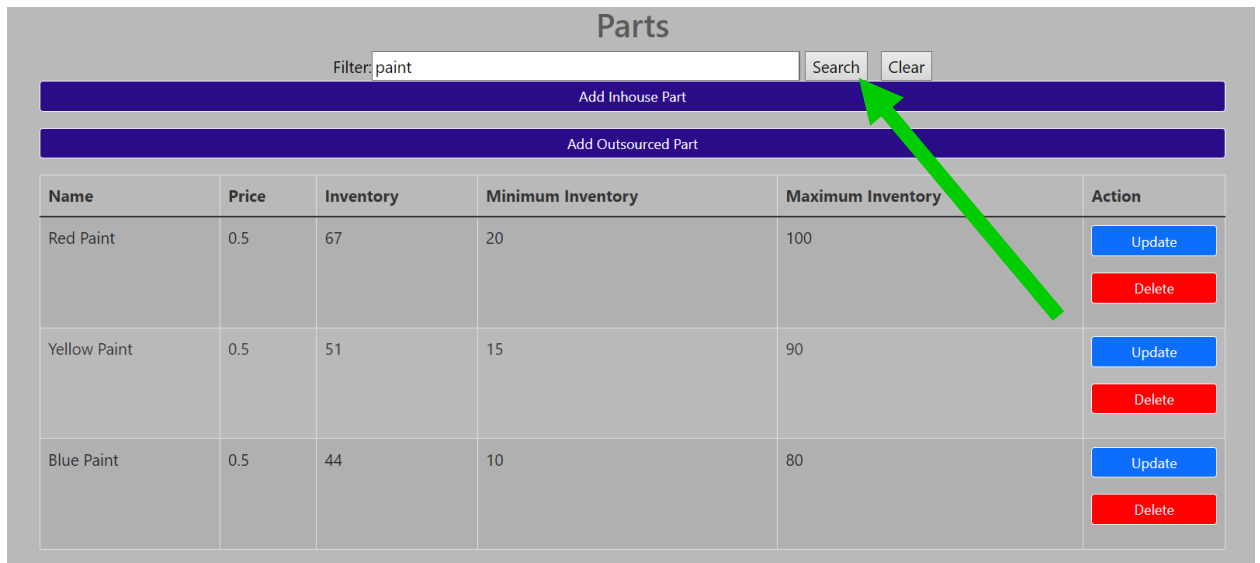
1. To delete a product, find the product in the product table on the home screen.
2. Click the '**Delete**' button.

Generate Log/Report



1. To generate a log for troubleshooting purposes, click the '**Application Log**' button at the bottom of the page on the home screen.

Searching

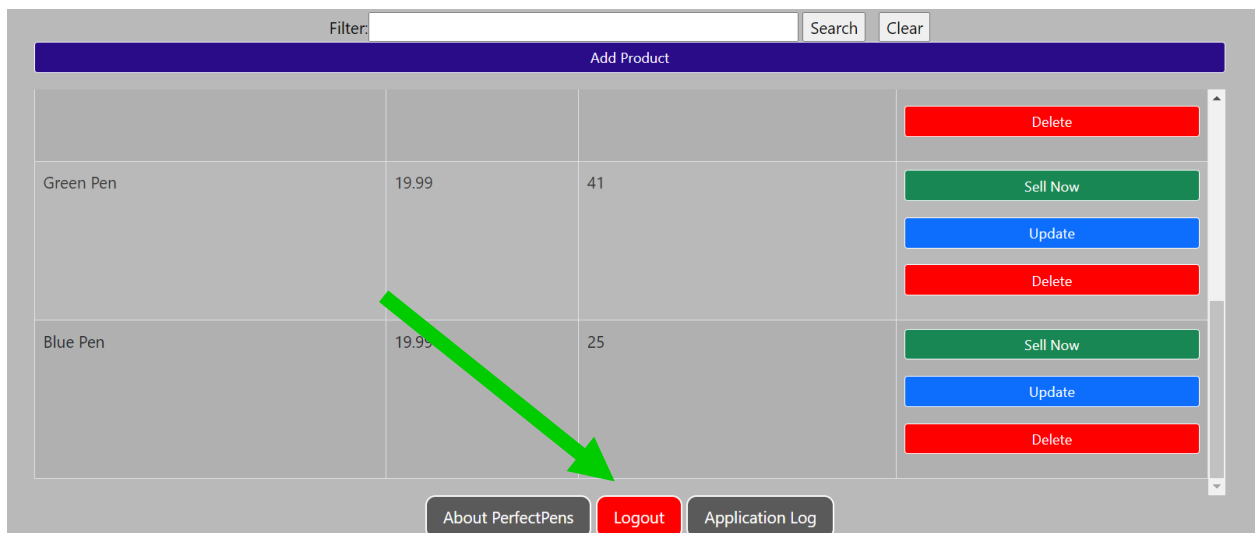


The screenshot shows the 'Parts' management interface. At the top, there is a search bar with the text 'Filter: paint' and two buttons: 'Search' and 'Clear'. Below the search bar are two buttons: 'Add Inhouse Part' and 'Add Outsourced Part'. Below these buttons is a table with the following columns: Name, Price, Inventory, Minimum Inventory, Maximum Inventory, and Action. The table contains three rows of data: Red Paint, Yellow Paint, and Blue Paint. Each row has an 'Update' button (blue) and a 'Delete' button (red) in the Action column. A green arrow points to the 'Search' button.

Name	Price	Inventory	Minimum Inventory	Maximum Inventory	Action
Red Paint	0.5	67	20	100	<button>Update</button> <button>Delete</button>
Yellow Paint	0.5	51	15	90	<button>Update</button> <button>Delete</button>
Blue Paint	0.5	44	10	80	<button>Update</button> <button>Delete</button>

1. To search for parts and products, locate the search bar above the appropriate table.
2. Enter the search term.
3. Click the '**Search**' button.
4. To clear the search term and results, press the '**Clear**' button.

Logout



The screenshot shows the 'Add Product' interface. At the top, there is a search bar with the text 'Filter:' and two buttons: 'Search' and 'Clear'. Below the search bar is a button: 'Add Product'. Below the button is a table with the following columns: Name, Price, Inventory, and Action. The table contains two rows of data: Green Pen and Blue Pen. Each row has a 'Delete' button (red), a 'Sell Now' button (green), an 'Update' button (blue), and another 'Delete' button (red) in the Action column. A green arrow points to the 'Logout' button at the bottom of the page.

Name	Price	Inventory	Action
Green Pen	19.99	41	<button>Delete</button> <button>Sell Now</button> <button>Update</button> <button>Delete</button>
Blue Pen	19.99	25	<button>Sell Now</button> <button>Update</button> <button>Delete</button>

At the bottom of the page, there are three buttons: 'About PerfectPens', 'Logout', and 'Application Log'.

1. To logout, click the '**Logout**' button at the bottom of the page on the home screen.