



Inventory Admin

User's Guide

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1 Introduction

Inventory Admin is a Windows application for the management of items in storage. Inventory Admin allows users to create, view, and manage inventory databases, arranging items in terms of category and manufacturer, as well as specify where each item is stored. Items in inventory are stored within laboratories, and within these laboratories, an item may be stored within a cupboard, box, or packet. A box or packet may be contained within a cupboard, and a packet may be contained within a box. Inventory Admin is intended for use within and research related to the mHealth research group or other related research at the University of Alabama in Huntsville.

The purpose of this document is to serve as a reference manual for Inventory Admin, overviewing the basic functionality of the application.

2 Using the Application

2.1 Settings

From the *Settings* tab, shown below in Figure 1, the user enters database information, including the IP address of the database, port, and database name. In addition, a valid username and password must be entered in order to connect to the database.

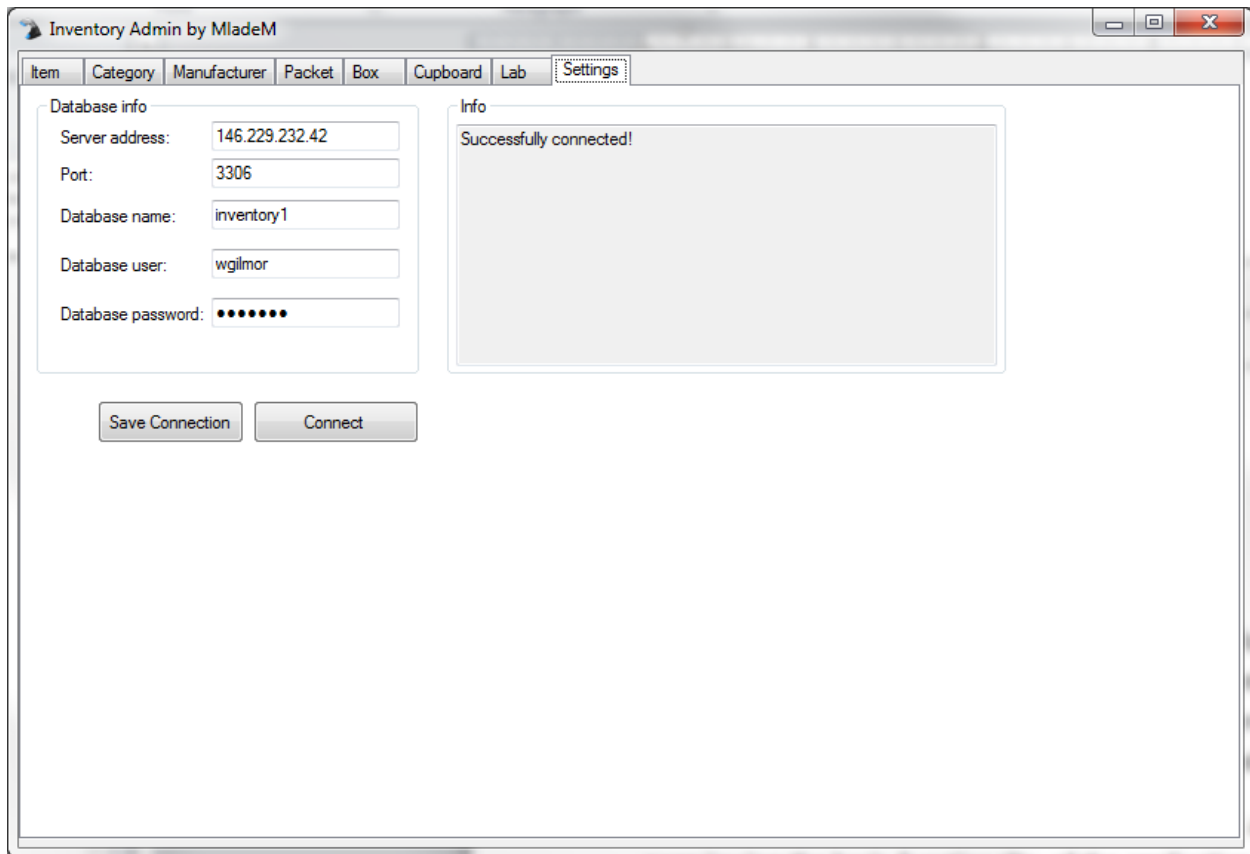


Figure 1 Settings Tab

Once the information is entered, pressing the *Connect* button will connect the application to the database. If the attempted connection is successful, the message “Successfully connected!” will be displayed in the *Info* window. If unsuccessful, one of the following will be indicated:

-“Unable to connect to any of the specified MySQL hosts” – the IP address or port number is likely incorrect.

-“Access denied for user '[username]'@[IP address of user]' (using password: YES/NO)” – the username and/or password entered is incorrect.

The user can save entered information by clicking the *Save Connection* button. Once the information is saved, the respective fields will be automatically repopulated with the saved information whenever the application is started.

2.2 Lab

From the *Lab* tab, shown below in Figure 2, allows the user to add, modify and delete laboratories.

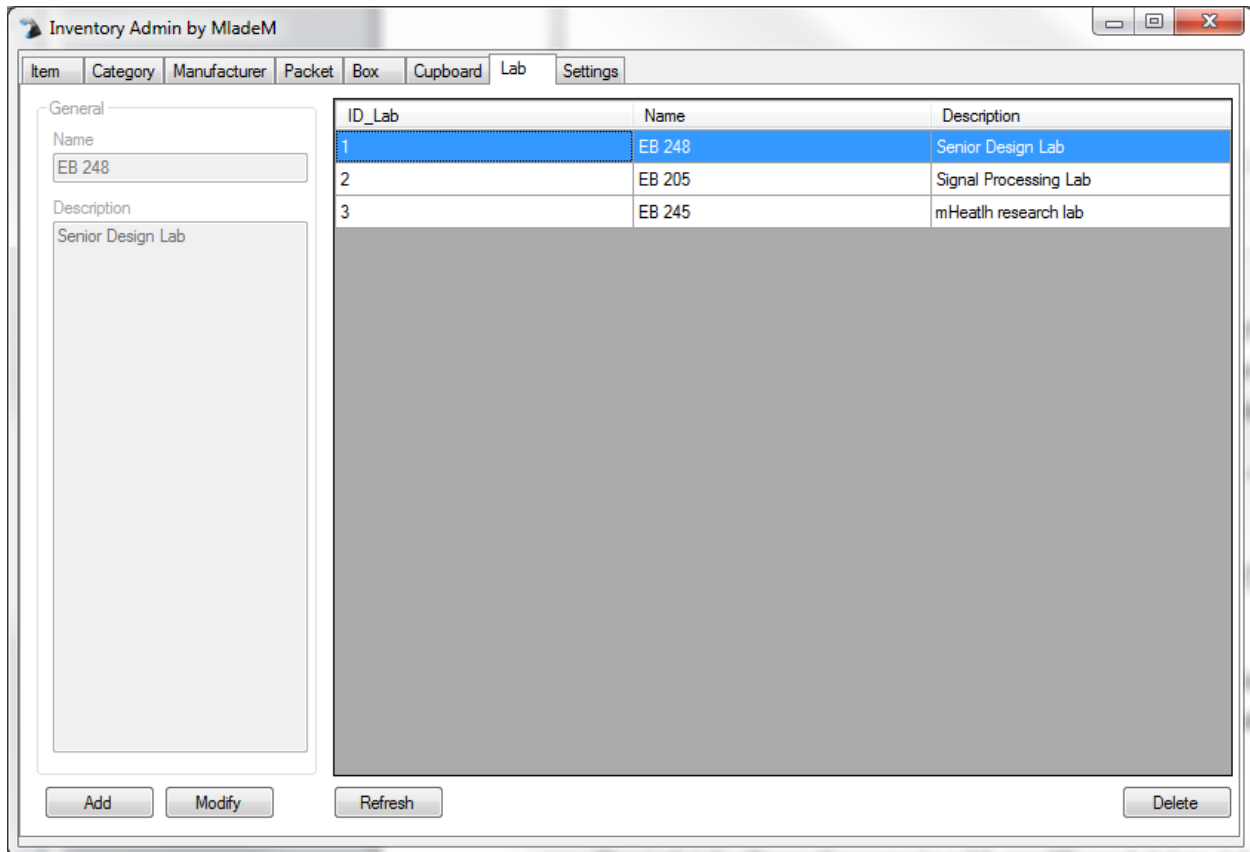


Figure 2 Lab Tab

In order to view, add, modify or delete labs, the information stored in the database must first be retrieved. To retrieve the current labs stored in the database, click *Refresh*. After doing so, the list of laboratories, including their names, IDs and a description, will be retrieved from the database and displayed. Note that for all following tabs, information must first be retrieved by clicking *Refresh* as well.

To add an entry, click *Add*, then enter a name (required) and a description (optional) of the lab. Click *Save* to add the entry to the database, or *Cancel* to undo all changes.

To modify an entry, select an entry and click *Modify*. Afterwards, the user can modify the *Name* and *Description* fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.3 Cupboard

From the *Cupboard* tab, shown in Figure 3, the user can view, add, modify or delete cupboards. Cupboards are located within labs.

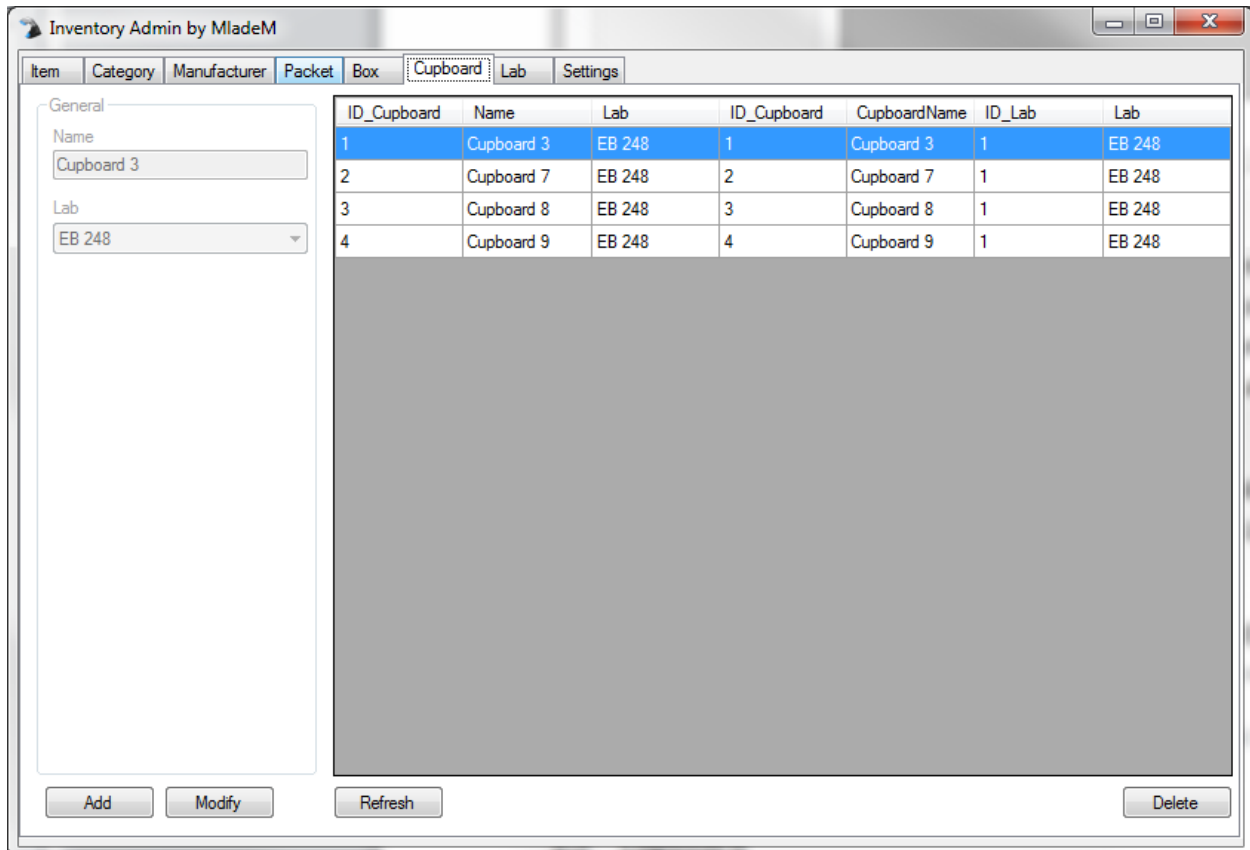


Figure 3 Cupboard Tab

To add an entry, click *Add*, then enter a name and the lab where the cupboard is located. Click *Save* to add the entry to the database, or *Cancel* to undo all changes.

To modify an entry, select an entry and click *Modify*. Afterwards, the user can modify the *Name* and *Lab* entries of the cupboard. To save modification, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.4 Box

From the *Box* tab, shown in Figure 4, the user can view, create, modify and delete boxes. Boxes are contained within cupboards.

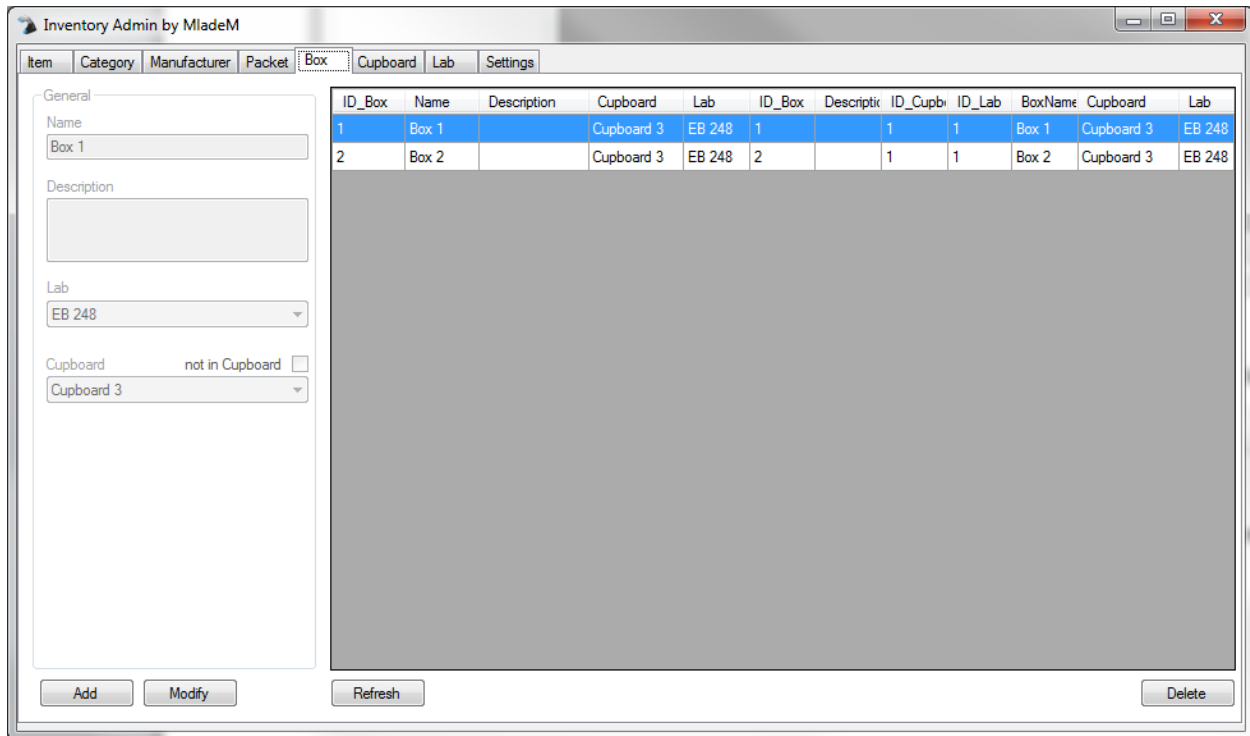


Figure 4 Box Tab

To create a box entry, click *Add*. Enter a name, description (optional,) lab and cupboard for the box. If the box is not located in a cupboard, check the *not in Cupboard* checkbox. Click *Save* to add the entry to the database, or *Cancel* to undo all changes.

To modify an entry, select an entry and click *Modify*. Afterwards, the user can modify the *Name*, *Description*, *Lab*, and *Cupboard* fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.5 Packet

From the *Packet* tab, shown in Figure 5, the user can view, create, modify or delete packets. Packets are stored within boxes.

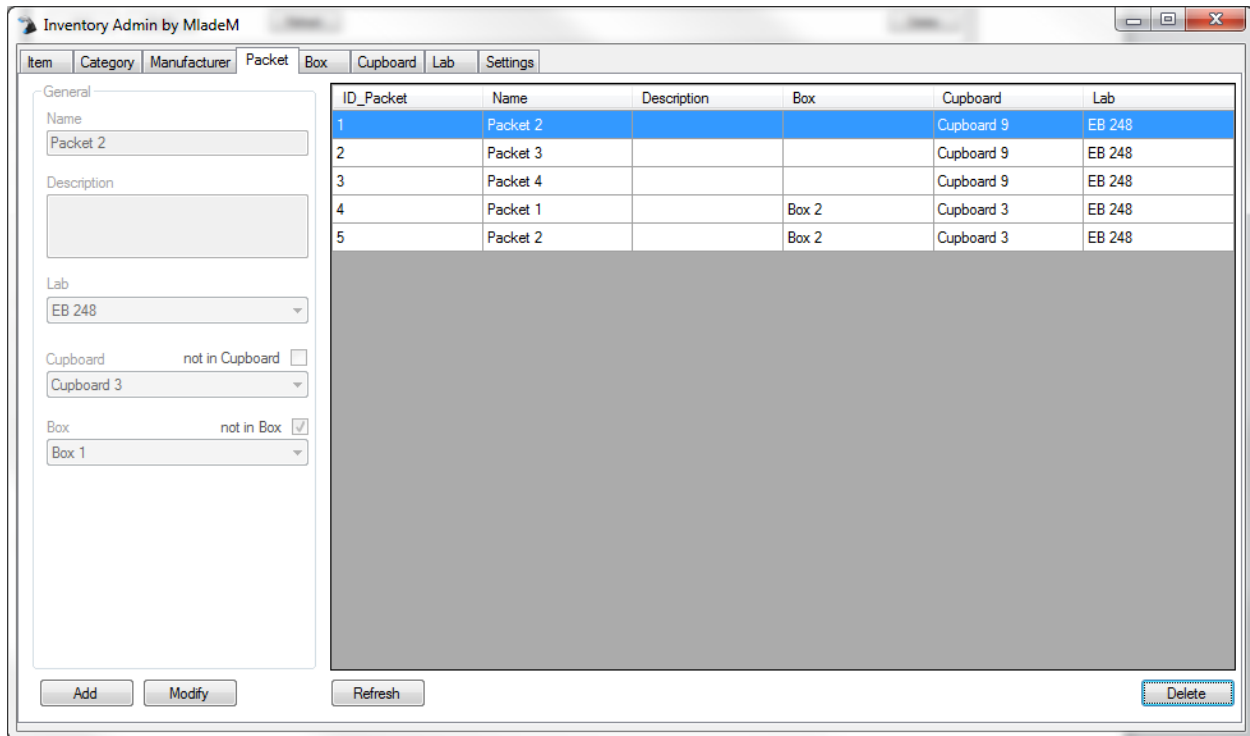


Figure 5 Packet Tab

To create a packet, click *Add*. Enter a name, description (optional,) lab, cupboard, and box for the packet. If the packet is not located in a cupboard, check the *not in Cupboard* checkbox. If the packet is not located within a box, check the *not in Box* checkbox. Click *Save* to add the entry to the database, or *Cancel* to undo all changes.

To modify an entry, select it and click *Modify*. Afterwards, the user can modify the *Name*, *Description*, *Lab*, *Cupboard*, and *Box* fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.6 Manufacturer

From the *Manufacturer* tab, shown in Figure 6, the user can view, add, modify and delete manufacturers. Items in inventory are associated with a manufacturer.

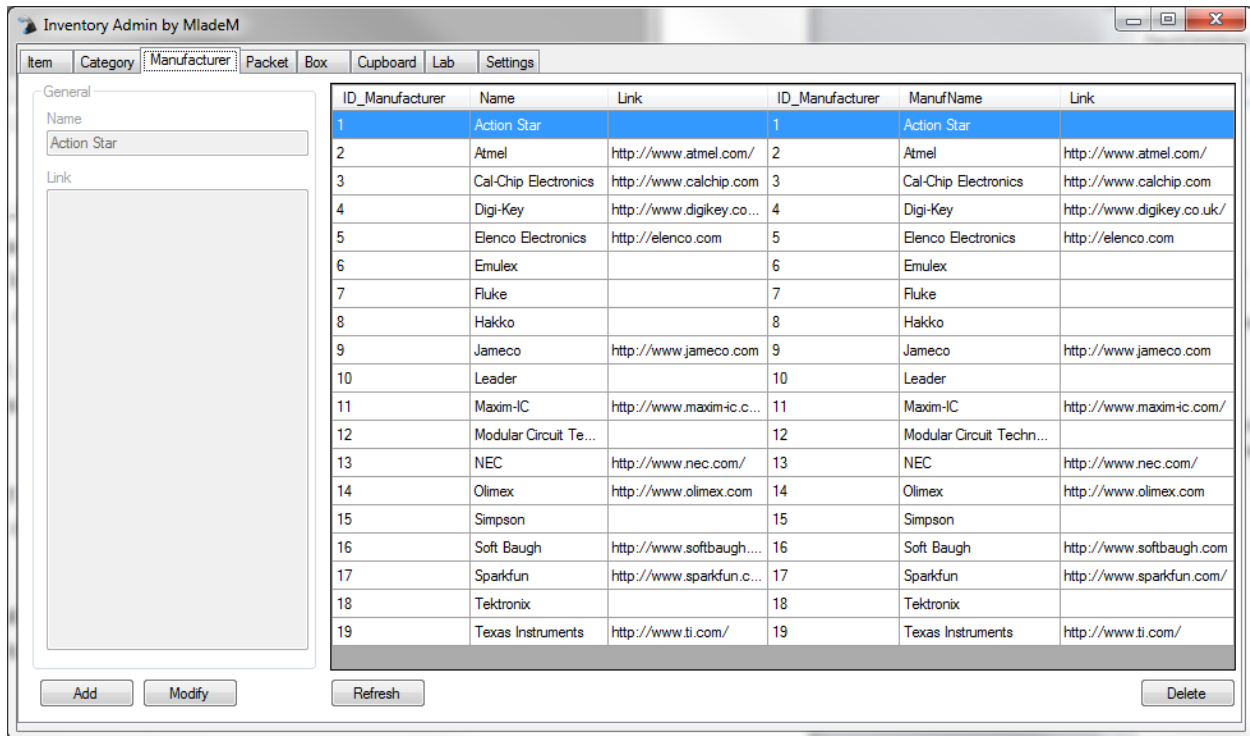


Figure 6 Manufacturer Tab

To add a manufacturer, click *Add*, then enter in the name of the manufacturer (required) and a link to the manufacturer’s website (optional.) Click *Save* to add the manufacturer to the database, or *Cancel* to undo all changes.

To modify an entry, select an entry and click *Modify*. Afterwards, the user can modify the *Name* and *Link* fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.7 Category

From the *Category* tab, shown in Figure 7, the user can view, add, modify or delete item categories.

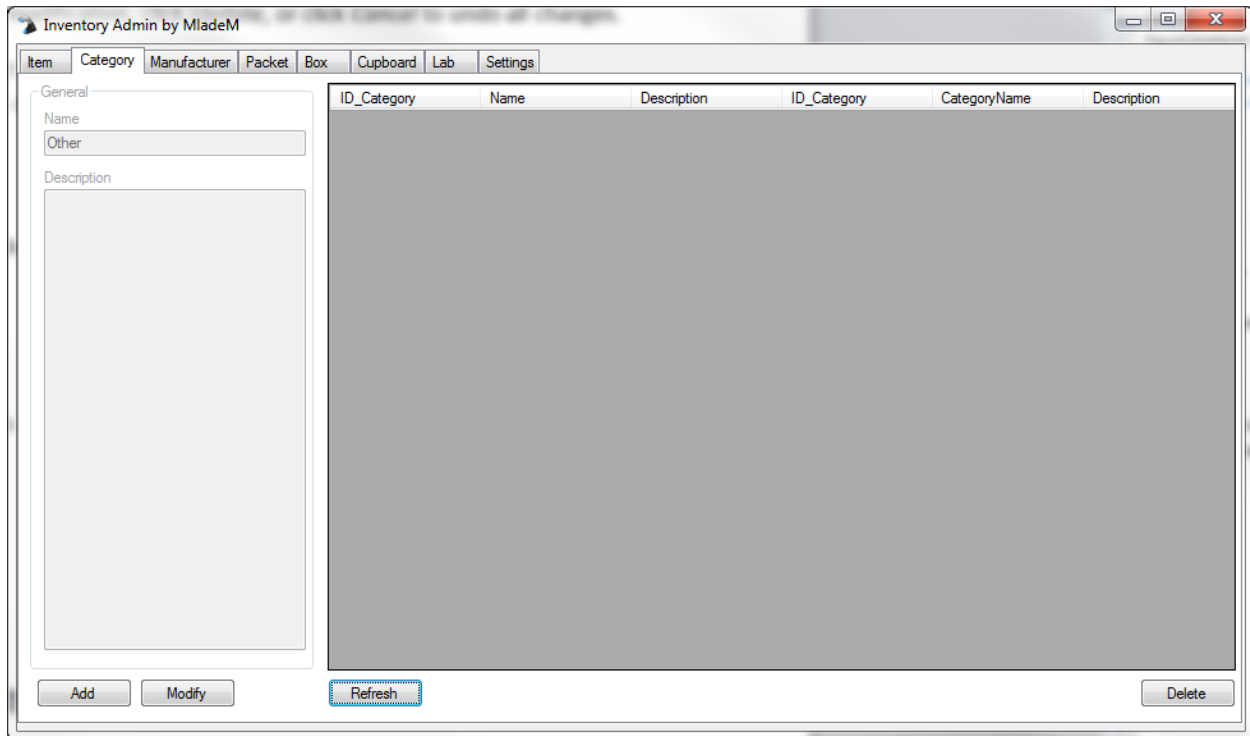


Figure 7 Category Tab

To add a category, click *Add*, then enter in a name for the category (required) and a description of the category (optional.) Click *Save* to add the category to the database, or *Cancel* to undo all changes.

To modify an category, select it and click *Modify*. Afterwards, the user can modify the *Name* and *Description* fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

2.8 Item

From the *Item* tab, shown in Figure 8, the user can view, add, modify or delete individual items in inventory.

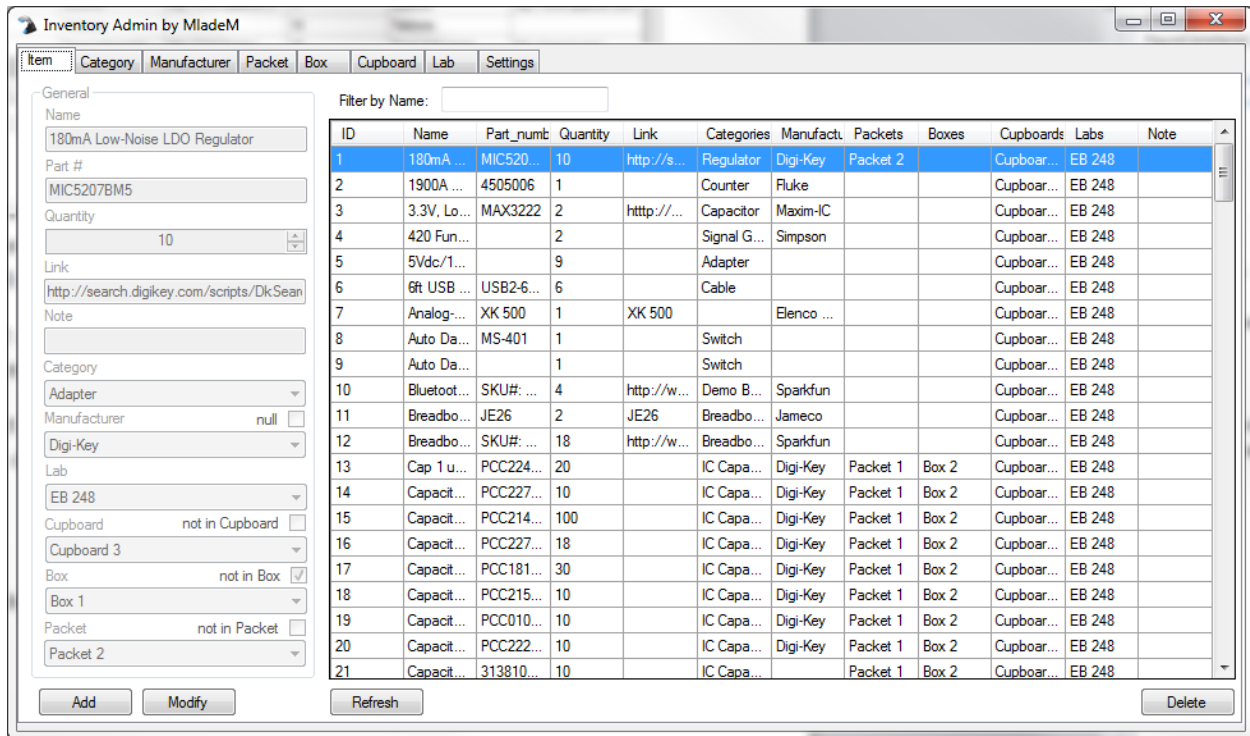


Figure 8 Item Tab

To add an item to inventory, click *Add*, then enter in the following information:

- *Name* – Name of the item
- *Part #* - The part number of the item (optional)
- *Quantity* – The number of the item that is in inventory
- *Link* – A link to item (optional)
- *Note* – Any additional information for the item(optional)
- *Category* – Category of the item
- *Manufacturer* – Manufacturer of the item
- *Lab* – Laboratory where the item is located
- *Cupboard* – Which cupboard the item is located in
- *Box* – Which box the item is located in
- *Packet* – Which packet the item is located in

If the manufacturer of the item is unknown, check the *null* checkbox. If the item is not located within a packet, box, or cupboard, check the *not in Packet*, *not in Box* and *not in Cupboard* checkboxes respectively.

Click *Save* to add the manufacturer to the database, or *Cancel* to undo all changes.

To modify an entry, select an entry and click *Modify*. Afterwards, the user can modify all associated fields. To save modifications, click *Update*, or click *Cancel* to undo all changes.

To remove an entry, select an entry to delete and click the *Delete* button. The user will be prompted with a confirmation dialog to confirm deletion.

Additionally, the user can filter items via the *Filter by Name* search bar. To filter, type in all or part of the item's name. An example is shown below in Figure 9 using the word "Breadboard".

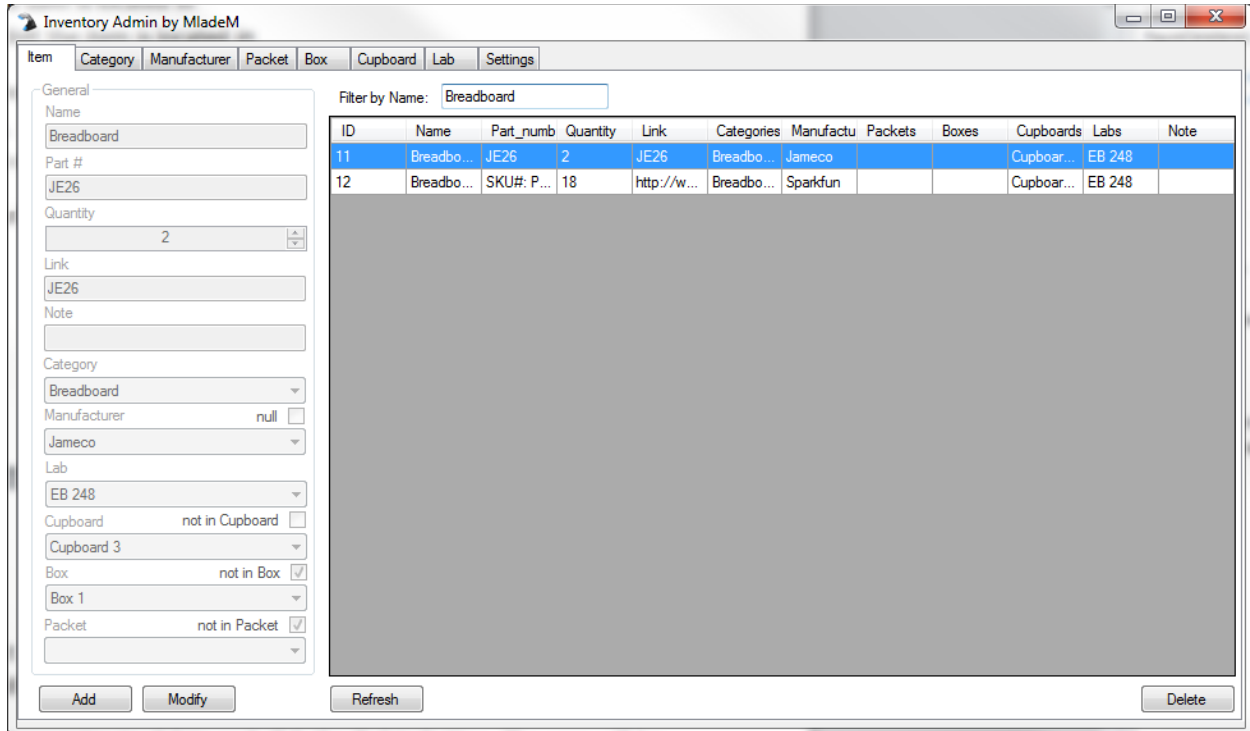


Figure 9 Item Filtering