

# **USER GUIDE FOR PLANNED SCIENCE DEPARTMENT**

## **INVENTORY DATABASE SOFTWARE**

### **What is Chemventory?**

Chemventory is a database software aimed at assisting science departments in keeping track of their apparatus and chemicals. It has an easy-to-use interface with a database entry system that allows you to add: Product ID, Product name, Product category, Product description, Purchasing date, Expiry date, Quantity, Safety notes, General notes, Product usage, and Department. The programs purpose is the keep stock organized, and to make inventorying task easier by notifying the user of low stock and soon-to-be expired product.

### **How to install Chemventory:**

Since Chemventory is a java program that does not contain an executable file, it must be ran through a developers environment. Our suggestion is IntelliJ.

#### Installing IntelliJ:

- Visit <https://www.jetbrains.com/idea/download/#section=windows>
- Download the Community Edition .exe for your operating system
- Run the file
- Start the Program

#### Adding Chemventory Package

- Click File->Open in the top left then find the Chemventory folder and click on it
- Once Chemventory has been added as a Project, click on the project and press the folder in the top right with the three blue squares
- Under “Project SDK” see the version, if 8/9/10, you are finished and skip to Running Program. If not read on.

#### Configuring Java FX \* ONLY IF YOU DO NOT HAVE SDK 8/9/10\*

- Download the “JavaFX SDK” for your version of java from the internet, most likely you will have 13 which is available at: <https://openjfx.io/>
- Open IntelliJ->Chemventory, click on the folder in the top right with the three blue squares
- Modules->+. Now find the “.lib” folder in the JavaFX sdk you downloaded earlier and add to the project.
- Return to the Chemventory project, assure that the “module-info.java” file is present

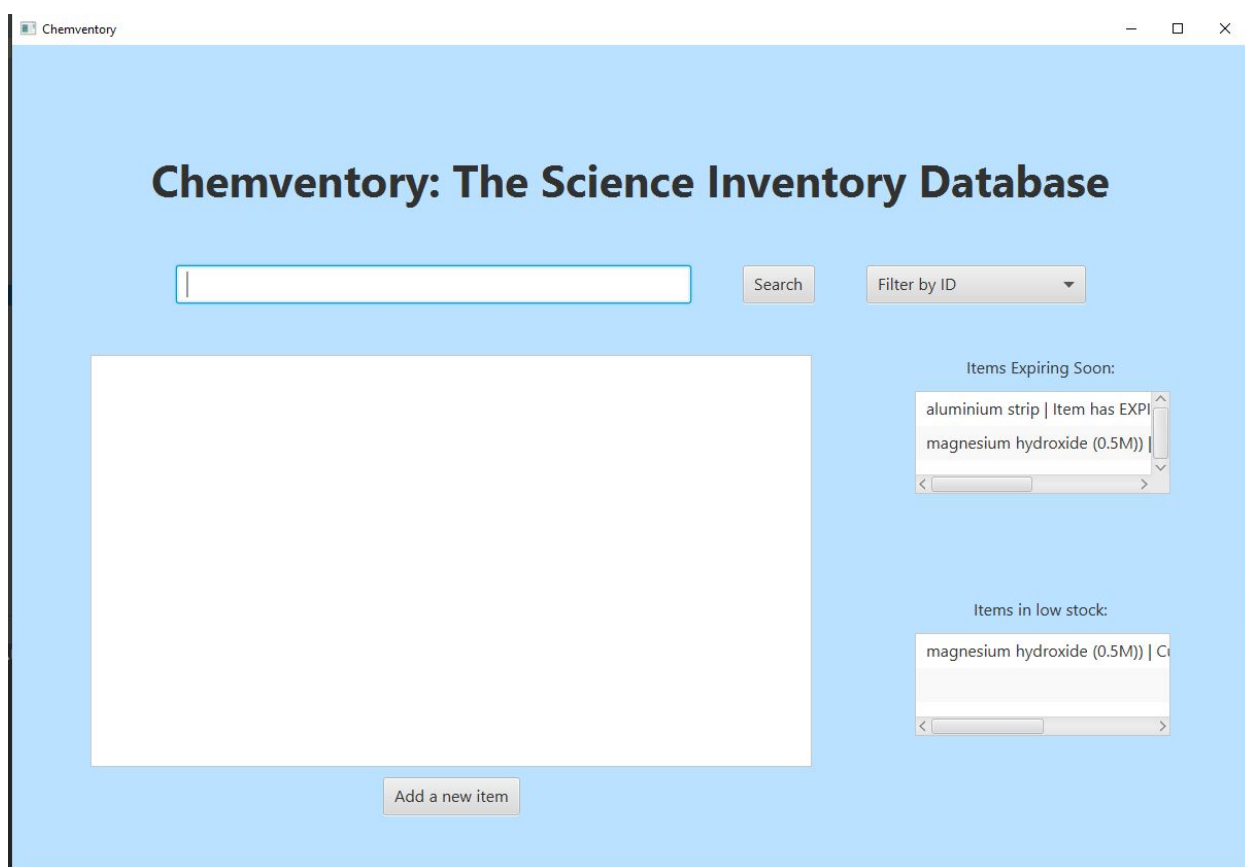
#### Running Chemventory

- To run the program, launch the project in IntelliJ using the methods specified above, then click on the green play arrow in the top right
- The program will now launch

### How to use Chemventory

Once the program has been launched, it is ready for use. Let's go through the basic functions.

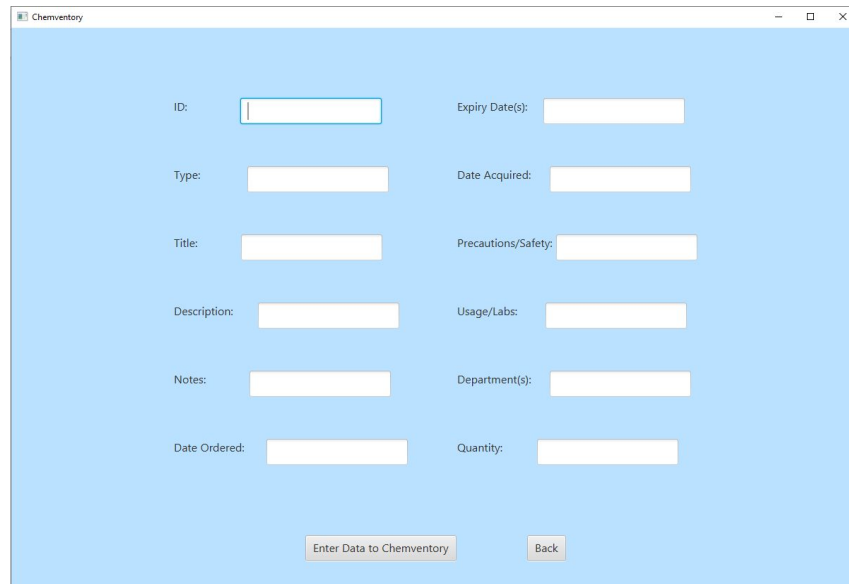
Here is the start screen:



## To get started

### Add an Item:

- Click Add a new item
- Fill out applicable data
- Note: Title, ID, Expiry Date, and Quantity are mandatory, however “none” can be used in place of N/A for date and quantity



The screenshot shows a web application window titled 'Chemventory'. It contains a form with the following fields:

- ID:
- Expiry Date(s):
- Type:
- Date Acquired:
- Title:
- Precautions/Safety:
- Description:
- Usage/Labs:
- Notes:
- Department(s):
- Date Ordered:
- Quantity:

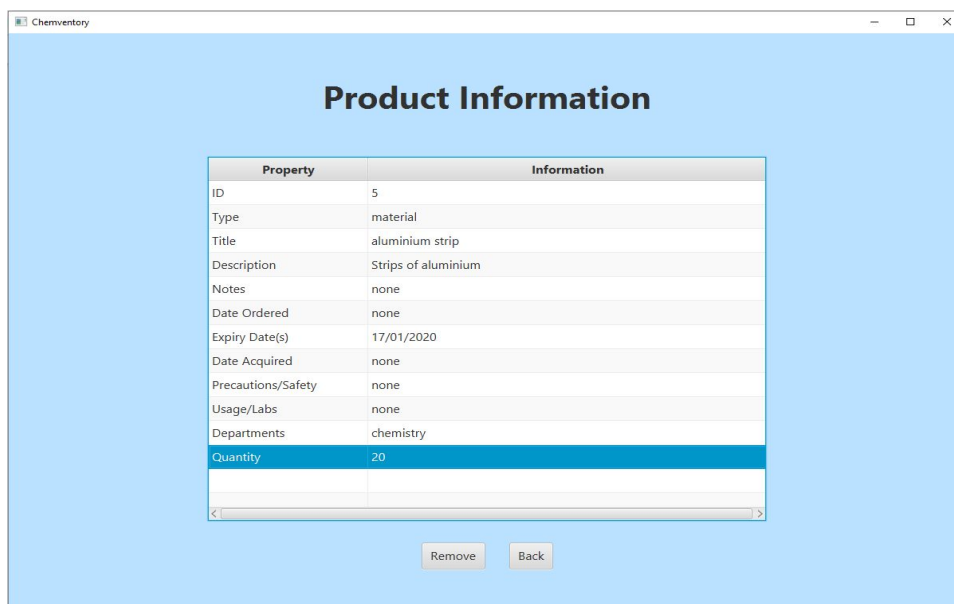
At the bottom of the form are two buttons: 'Enter Data to Chemventory' and 'Back'.

### Find an Item:

- Click on the drop-down menu and specify what you would like to search by.
- Fill out the search bar and press search

### Modify and Remove an Item:

- Find the item you wish to remove or edit using search, then double click on the item.
- Click on the field you would like to **edit**, edit it, then press enter and back
- Click **remove** to remove the item.



The screenshot shows a web application window titled 'Chemventory'. It displays a table titled 'Product Information' with the following data:

Property	Information
ID	5
Type	material
Title	aluminium strip
Description	Strips of aluminium
Notes	none
Date Ordered	none
Expiry Date(s)	17/01/2020
Date Acquired	none
Precautions/Safety	none
Usage/Labs	none
Departments	chemistry
Quantity	20

Below the table are two buttons: 'Remove' and 'Back'.

**Special Features:**Low Quantity Alert:

If an item has less than 5 in stock, it will appear in the “Low Stock” spot on the main interface. Here, a small overview will be shown. Please note you cannot click on these items, and must use the id number listed to find the item and edit/remove.

Expiration Alert:

Every item expiring in the next 6 months (semester) will be shown in the Expiring Alert box. If items appear here, you can then add them to your personal order sheets to ensure they do not expire before they are needed to be used.