**Chemical Inventory Management System Project**

**Purpose:**

Assist in maintaining an easily updated chemical inventory that associates each chemical with its hazard information in addition to standard inventory aspects of location, quantity, date acquired.  And, should be able to automatically retrieve SDS sheets from manufacturer/vendor websites upon entry of a chemical.

**Tasks:**

\*Allow chemicals to be scanned in by preexisting barcode.  From the barcode the name and manufacturer should be able to be populated into the inventory, as well as CAS number and bottle size.

\*Allow for manual entry of chemicals and CAS numbers

\*Pull and associate the SDS sheet for a chemical with said chemical.

\*List the known hazards of a chemical.

**Desired Interface Characteristics:**

\*Display name, location, quantity, hazards, CAS, manufacturer/vendor, date purchased number for each chemical

\*Be sortable by the above characteristics or key words

\*All for barcode scanning as well as manual entry

\*Display information in table form

\*Ability to download one, multiple, or all associated SDS sheets.

\*Require a user login

Sincerely,  
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