Eggventory User Guide

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## Table of contents

1. Introduction
2. Quick start
3. Features and command usage
   1. Viewing help: help
   2. Adding objects: add
      1. Adding new stocks: stock
      2. Adding new Stock Types: stocktype
      3. Adding loan templates: template
      4. Adding new people: person
   3. Deleting an item: delete
      1. Deleting stocks: stock
      2. Deleting Stock Types: stocktype
      3. Deleting loan templates: template
      4. Deleting people: person
   4. Editing stock and person information: edit
      1. Stock information
      2. Person information
   5. Listing information: list
      1. All Stock: stock
      2. All Stock Types: stocktypes
      3. Stock of a particular Stock Type: stocktype
      4. Persons loaning out stock: loan
      5. Saved loan templates: template
      6. Stock that has been lost: lost
   6. Searching for stock: find
      1. A particular stock: stock
      2. Matching Stock Types: stocktype
   7. Setting stock loan status: loan
      1. Loaning out stocks to person: add
      2. Marking stocks as returned: returned
   8. Marking an item as lost: lost
   9. Undoing a previous command: undo
   10. Repeating last command executed: redo
   11. Setting autosave options
4. Command summary
5. Glossary

## 1. Introduction

Eggventory is an inventory management system targeted towards engineering laboratory inventories. It is designed to make tracking of stock and inventory fast and painless. There are visual elements for all functionalities which makes learning the system easy, but there are also command-line equivalents that allow advanced users to do everything in one or two short commands.

## 2. Quick start

1. Ensure you have Java 11 or later installed on your machine.
2. Download the latest eggventory.jar
3. Copy the file to the folder you want to use as the home folder for your inventory management system.
4. Double-click the file to start the app. The GUI should appear in a few seconds
5. Type the command in the command box and press Enter to execute it

E.g. typing help and pressing Enter will open the help window.

1. Some example commands you can try:

* *add stocktype Resistors* : Creates a category of stock named “Resistors”
* *add stock R500 200 500-ohm resistor* -st Resistors: Creates a new stock item with 200 500-ohm resistors and a stock code of “R500”, under the “Resistors” Stock Type.
* *edit stock R500 quantity -50* : Reduce the stock count of item R500 (500-ohm resistor) by 50.
* *add stock C1k 75 1000pF Capacitors* :Creates a new stock item with 75 1000pF Capacitors and stock code “C1k”. The stock type will be defaulted to “Uncategorised”.
* *list stocktype Resistors* : Displays all stock that is categorised as Resistors.
* *exit* : exits the app

1. Refer to Section 3

## 3. Features and command usage

**Command Format**

* Text in <Angled Brackets> are mandatory parameter to be supplied by the user. E.g. *add stocktype <Stock Type>* , <Stock Type> is a parameter which is the name of the stocktype the user wishes to add.
* Parameters in {Braces} can be repeated multiple times in the same command, separated by a comma (,). E.g. *loan add <Matric. No> {<Stock Code> <Quantity>}* , more <Stock Code> <Quantity> pairs can be added after the first pair as such: *loan add A0191234A R500 20, R250 10, R100 5*
* Some commands have optional parameters available. Optional parameters are added to the end of the corresponding command, after all mandatory parameters. E.g. add *stock R500 50 “500-ohm Resistors” -st Resistors ,* will create a new stock, and placed under the “Resistors” Stock Type with the “-st” tag.
  1. **Viewing help: *help***

Format: *help*

* 1. **Adding objects: *add***
     1. **Adding new stocks: *stock***

Adds a new stock to the inventory.

Optional Parameters:

|  |  |
| --- | --- |
| Format | Purpose |
| -st <Stock Type> | Sets the stock type of the stock being added. |

Format: *add stock <Stock Code> <Quantity> “<Description>”*

* + 1. **Adding new Stock Types: *stocktype***

Adds a new category of stock to the inventory.

Format: *add stocktype <Stock Type>*

* + 1. **Adding loan templates: template**

Creates a template that can be substituted for {<Stock Code> <Quantity>} in *loan* commands.

Format: add template “<Template Name>” {<Stock Code> <Quantity>}

e.g. add template CEG

* + 1. **Adding new people: *person***

Adds a new person to keep track that will loan stock.

Optional Parameters:

|  |  |
| --- | --- |
| Format | Purpose |
| -n <Name> | Sets the name of the person being added |
| -c <Course> | Sets the course of the person being added |

Format: *add person <Matric. No>*

* 1. **Deleting items: *delete***
     1. **Deleting stocks: *stock***

Removes a stock from the inventory, including any references to loaned out stock.

Format: *delete stock <Stock Code>*

* + 1. **Deleting Stock Types: *stocktype***

Removes a stocktype from the inventory, and **all stock under it.**

Format: *delete stocktype <Stock Type>*

* + 1. **Deleting templates: template**

Deletes a saved loan template.

Format: delete template <Template Name>

* + 1. **Deleting people: *person***

Removes a person from being tracked. All outstanding loans are automatically returned.

Format: *delete person <Matric. No>*

* 1. **Editing stock and person information: *edit***
     1. **Stock information**

Directly modifies the value of a property of a stock.

Properties:

* stockcode
* description
* stocktype
* quantity

Format: *edit stock <Stock Code> {<Property> <New Value>}*

* + 1. **Person information**

Directly modifies the details of a person.

Properties:

* matric
* name
* course

Format: *edit person <Matric No.> {<Property> <New Value>}*

* 1. **Listing information: *list***
     1. **All Stock: *all***

Format: *list all*

* + 1. **All Stock Types: *stocktypes***

Lists out all Stock Types that are present in the inventory.

Format: *list stocktypes*

* + 1. **Stock of a particular Stock Type: *stocktype***

Lists out all stock under a particular Stock Type

Format: *list stocktype <Stock Type>*

* + 1. **Persons loaning out stock: *loan***

Format: *list loan*

* + 1. **Saved loan templates: template**

Format: *list template*

* + 1. **Stock that has been lost: *lost***

Format: *list lost*

* 1. **Searching for stock: *find***
     1. **A particular stock: *stock***

Finds and lists out all stock whose Stock Code or Description that partially or completely matches <Query>.

Format: *find stock <Query>*

* + 1. **Matching Stock Types: *stocktype***

Finds and lists out all Stock Types whose name partially or completely matches <Query>.

Format: *find stocktype <Query>*

* 1. **Setting stock loan status: *loan***
     1. **Loaning out stocks to person: *add***

Format: *loan add <Matric. No> {<Stock Code> <Quantity>}*

Format: *loan add <Matric. No> <Template Name>*

* + 1. **Marking stocks as returned: *returned***

Format: *loan return <Matric No> {<Stock Code> <Quantity>}*

Format: *loan return <Matric. No> <Template Name>*

* 1. **Marking an item as lost: *lost***

Format: *lost <Stock Code> <Quantity>*

* 1. **Undoing a previous command: *undo***

Format: *undo*

* 1. **Repeating last command executed: *redo***

Format: *redo*

* 1. **Setting autosave options**

Format: *autosave <ON/OFF>*

* 1. **Exiting the program: *exit***

Format: *exit*

## Command Summary

* Add
  + *add stock <Stock Code> <Quantity> <Description>*
  + *add stocktype <Stock Type>*
  + *add template <Template Name> {<Stock Code> <Quantity>}*
  + *add person <Matric No.>*
* Delete
  + *delete stock <Stock Code>*
  + *delete stocktype <Stock Type>*
  + *delete template <Template Name>*
  + *delete person <Matric No.>*
* Edit
  + *edit stock <Property> <New Value>*
  + *edit person <Property> <New Value>*
* List
  + *list stock*
  + *list stocktypes*
  + *list stocktype <Stock Type>*
  + *list loan*
  + *list template*
  + *list lost*
* Find
  + *find stock <Query>*
  + *find stocktype <Query>*
* Loan
  + *loan add <Matric No.> {<Stock Code> <Quantity>}* OR

*OR*

*loan add <Matric No.> <Template Name>*

* + *loan returned <Matric No.> {Stock Code> <Quantity>}*

OR

*loan returned <Matric No.> <Template Name>*

* Lost
  + *lost <Stock Code> <Quantity>*
* Undo
  + *undo*
* Redo
  + *Redo*

## Glossary

|  |  |
| --- | --- |
| Matric No. | Matriculation number of student to be added |
| Stock | An item to be tracked by Eggventory |
| Stock Code | A unique string of characters to identify a stock |
| Stock Type | A category of stock |