

Assignment: Write a command based interface to your collection project so that it can be used without BlueJ interaction.

If you are not happy with your current version of the collection project, schedule a meeting with me and I'll help you bring it up to speed.

We've seen two examples of projects with command-based interfaces – Chapter 6: chatbot, Chapter 9: zuul – and we'll see one more later – Chapter 14: address book. You are free to copy classes from any of those projects and adapt them to your project. The inclusion of a main method to start the interface is encouraged but not required.

For an M, these commands need to be implemented a working:

- list all of the items in the collection*
- add an item to the collection*
- list all of the available commands
- perform a search based on one search key* (this can always be for the same field)
- exit/quit the program

*You should already have methods in your project to perform these tasks.

For an E, you'll need to implement at least four more commands. Here are some examples:

- perform a search based on two (or more) search keys
- remove an item (or items) from a collection
- save a collection to a file**
- load a collection from a file**
- start a new collection
- add items to a collection from a CSV file**

You might come up with other ideas as well. **We will learn how to do this in Chapter 14.

Related Learning Outcome:

H 14.1: Create a command-based interface for a program

Due Date/Time: as posted on Canvas