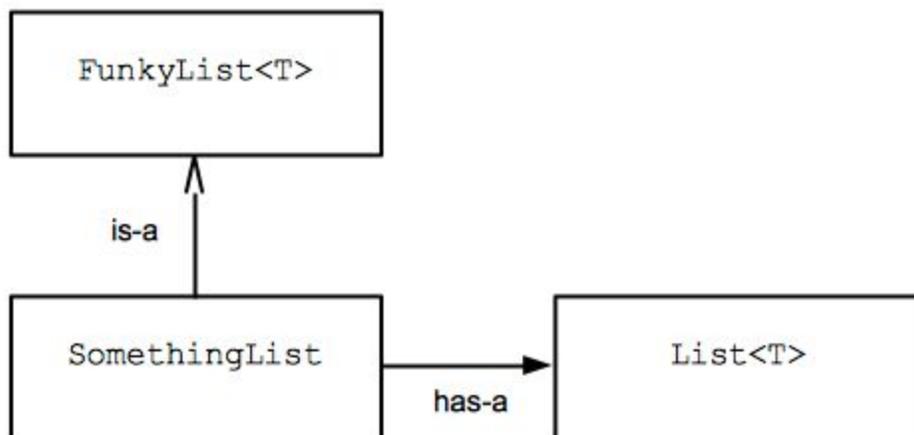


2. Requirements

Program #2 requirements are:

- Use **Java**. (applause? boo?) Semi-seriously, I hope this gives you a feel for the contrast between an old language in a command-line environment versus a modern OOP language with a hearty system library in a fancy IDE.
- We'll implement the **Program #1 commands**: [Program #1 Video List](#). Remember, we changed "remove" to "delete". **Please reinstate the avalanche command in your Program #2 gui.**
- We'll define a Java interface in class: **FunkyList**. It will be generic. And it will define the methods to implement our commands.
- Your class design will be:
 - SomethingList is-a FunkyList<T>.
 - SomethingList has-a List<T>.
 - See the Program #2 UML below.
 - And of course, you'll design some class to list: Video, Prof, Candy, whatev.
- Flex **your creativity**! Since FunkyList is generic, you can make lists of whatever you like: Videos, Professors, Ballerinas, etc. **Also, add 1 BIG or 2 small creative gui things to your solution.**
- Keep flexing! Your **gui** has to show your list and modify it using our commands, but how it looks is up to you.
- Please follow our class **coding guidelines**. [Prof Bill's Java Coding Guidelines](#).

Program #2 UML Class Diagram



3. Details

I'll copy the Program #1 commands here for you.

Command <args>	Description
add <video>	Add video to the list in a <i>random</i> position; the new video is new selected
select <num>	Select video at position <num>
print	Print video list
up	Move selected video up 1 position
down	Move selected video down 1 position
first	Move selected video to first position
last	Move selected video to last position
reverse	Reverse the order of videos in the list
delete	Delete the selected video
clear	Clear all videos from the list
exit	Exit the program

Please submit a drawing of your gui before you start coding it up.

The Muganda Java text has a nice intro to JavaFX, Chapter 15.

You can also google to find plenty of javaFX examples online as well.

Please code up your solution, rather than using a gui builder or FXML. Thanks!

Grading

Create a **program2** folder on your k: drive. This folder should contain:

- All your Java source files
- Your program2 executable
- A **README.txt** file where you describe the status of your program and the creative command that you added

All your code must follow our class **Coding Guidelines**. Ugly code will be severely penalized. A program that doesn't even compile is probably worth 0 points.

How to **succeed** in coding: 1. Start early! 2. Don't be shy. Ask a question in class. Email me. Come to office hours. 3. Work in small bites. Divide your program into small, manageable tasks. Knock them down one by one. 4. Always be working. Your program should always compile and run. Never leave your work in disarray.

Remember our **plagiarism** guidelines as well. Getting help from google or stackoverflow or a friend is OK, but:

1. You must acknowledge any help you receive with a comment in your code
2. You must understand any code in your solution
3. Get help on program components, not the primary assignment (the tic tac toe philosophy)
4. If you have any questions in this area, contact me **before** you turn in your work, not after (when it's too late)

thanks... yow, bill

