README FILE
Programming Assignment 1 Part 3

First Name: Zeeshan Last Name: Virani UIN: 530005299

Section Number: 517 User Name: zvirani E-mail address: zvirani@tamu.edu

State the Aggie Honor statement:

I certify that I have listed all the sources that I used to develop the solutions and code to the submitted work.

On my honor as an Aggie, I have neither given nor received any unauthorized help on this academic work.

Your Name Zeeshan Virani Date 2/23/21

List any resources used such as webpages (provide URL). Do not mention the textbook and discussions with the Instructor, TA, or Peer Teachers.

People	
Web pages (provide URL)	
Printed material	
Other Sources	

List any known problems/issues with the assignment you are turning in. For example, if you know your code does not run correctly, state that. This should be a short explanation.

None. I had no problems when submitting and the final submission was 80/80.

Provide a short description for the solution or pseudocode for the assignment questions.

The code is the similar to the previous PA parts except now the Collection class has the ability to work for any kind of variable type. The jeans class is identical to the stress ball class except it has its own sizes and colors

Provide screenshots of two test cases (from Computer Science Linux machine) and show how you compiled the program (Ex: Command Line and IDE).

```
(base) Zeeshans-MacBook-Pro:starter_code zeeshanvirani$ g++ -std=c++17 -Wall -Wextra -pedantic-errors -g *.cpp
(base) Zeeshans-MacBook-Pro:starter_code zeeshanvirani$ ./a.out
(grey, large)
(blue, small)
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(blue, large)
(blue, medium)
(grey, large)
(grey, large)
(blue, xlarge)
(white, small)
(black, medium)
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(blue, xlarge)
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```
(base) Zeeshans-MacBook-Pro:starter_code zeeshanvirani$ g++ -std=c++17 -Wall -Wextra -pedantic-errors -g *.cpp
(base) Zeeshans-MacBook-Pro:starter_code zeeshanvirani$ ./a.out
(red, medium)
(yellow, large)
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(blue, large)
(base) Zeeshans-MacBook-Pro:starter_code zeeshanvirani$
```

(15 points) Write about generic programming using templates based on assignment part 3.

Templates allow you to create programs that can be used with multiple data types and does not limit you to a specific data type that would have to be hardcoded. This generic programming opens up the possibilities of writing one set of code for multiple data types as we did with Collection which can be used with Jeans and Stress Balls.

Your Name (signature) Zeeshan Virani Date 2/23/21