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CS 420 – Object-Oriented Design
Project # 3
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Description:

The Application class allows the user to manipulate the StackADT, that includes an implementation of generics, by accepting input from command line and keyboard. The application provides the user with instructions and a list of available commands to use for the program within the comments. The user can use "help" to view a list of commands the user can input, "quit" to end the program, "push" to add an employee to the stack which utilizes the StackOverflowException handling to inform the user if the stack is currently full, "pop" to remove the last employee from the stack which utilizes the StackUnderflowException handling to inform the user if the stack is currently empty, top() to view the last employee that was added to the stack which also utilizes the StackUnderflowException handling to inform the user if the stack is currently empty, list() to view all the current employees in the stack, and size() to view the current number of employees.

Files included:

Java Files:

1. ApplicationGenericsMendozaRaelyn.java
2. MendozaRaelyn_Employee.java
3. MendozaRaelyn_StackInterfaceGenerics.java
4. MendozaRaelyn_StackADTGenerics.java
5. MendozaRaelyn_StackOverflowException.java
6. MendozaRaelyn_StackUnderflowException.java

Class Files:

7. ApplicationGenericsMendozaRaelyn.class
8. MendozaRaelyn_Employee.class
9. MendozaRaelyn_StackInterfaceGenerics.class
10. MendozaRaelyn_StackADTGenerics.class
11. MendozaRaelyn_StackOverflowException.class
12. MendozaRaelyn_StackUnderflowException.class

Read Me File:

13. readMe_Project3_MendozaRaelyn.pdf

UML Diagram PNG:

14. MendozaRaelyn_UMLdiagram_Project3.png

UML Diagram:

