Homework One: Revision

Oscar Jiang

9/13/2023

1 Homework One: Bug Fixes

- For remove method: Made sure that the index is valid- added a check and throws error if exceeds.
  When the method was called, it would not compare the index and the length of the list and would decrement the list anyway. Now, the last element no longer disappears regardless.

- For removeAll method: Removed the length decrementation.
  The method removed all the elements, but would decrement the end of the list after the remove method used by removeAll already did. No longer deletes an extra element for each element found.

- For add method: Changed the appearance of the code.
  No longer is the curly brace next to the resize method call.

2 Homework One: Conceptual Difficulties and Lessons Learned

- While I was doing the assignment, I had a lot of difficulty with generic types. I did not know what ¡T¿ was and when to use it. Another difficulty I had was visualizing the loops, its end conditions and the pointer position in each iteration, as it had been a while since Java was utilized. As for technical difficulties, there were none.

- From this revision, I learned how to properly use method calls and realize their already completed processes as to not repeat them(as I did with length–). In addition to that, I also know how to use generic types.