

Analyzing the $O(n)$ complexity of each method in the code, time complexity of:

- `setupStore()` is $O(1)$.
- `createCart(String[] args, Item[] store)` is $O(n)$, where n is the length of `args[]`.
- `printReceiptInOrder(ArrayList<Item> cart)` is $O(m)$, where m is the size of the `ArrayList cart`.
- `emptyCartReverseOrder(ArrayList<Item> cart)` is $O(m)$, where m is the size of the `ArrayList cart`.

Based on the time complexities of individual methods, the overall time complexity of this code is $O(n + m)$; however, since m can be at most n , the overall time complexity of this code is to $O(n)$.