

ADT Level Description

- A3Driver Class
 - Methods
 - Main: takes the input argument and splits it up into individual tokens in an array. Calls Errorcheck method to check for any errors in the input transaction, then calls one of insert, search, delete, update, or print based on the transaction type.
 - getFromFile: Reads through the input file and converts each line into an array of Strings. The output of the method as an ArrayList input list in which each element is a String. For assignment 3 each element is a transaction.
 - isInteger: checks if the string is an integer and returns true or false
 - errorCheck: checks a transaction to make sure it is valid by checking each part of it using the tokens array. Returns true or false.
 - Insert: parses through the tokens array and processes the input transaction
 - Print: parses through the tokens array and processes the print transaction
 - Update: parses through the tokens array and processes the update transaction
 - Returns the number of updated items
 - Search: parses through the tokens array and processes the search transaction
 - Delete: parses through the tokens array and processes the delete transaction
- Item class
 - Attributes
 - Name
 - Price
 - Quantity
 - Weight
 - Methods
 - Constructor
 - calculatePrice
 - printItemAttributes
 - compareTo
- Clothing class
 - Attributes
 - Shipping
 - Tax
 - Methods
 - Constructor
 - calculatePrice
- Electronics Class
 - Attributes
 - Fragile
 - State
 - Shipping
 - Tax
 - Methods
 - Constructor

- CalculatePrice
 - checkTax
- Grocery class
 - Attributes
 - Perishable
 - Shipping
 - Tax
 - Methods
 - Constructor
 - calculatePrice