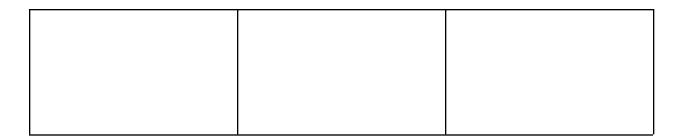
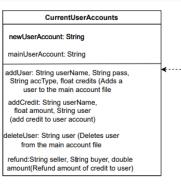
CSCI 3060U Phase 4 Aqib Alam, Noor Alam, Shane Francis

Class Method Description	Class Method Description	Class Method Description
Main		The main class that connects and manages the other classes.
Main	parseFile()	Function reads a text file line by line, extracting and assigning values to variables, and then writes these variables to an output file.
CurrentUserAccounts	addUser()	Adds a new user to the user accounts list.
CurrentUserAccounts	deleteUser()	Removes a user from the user accounts list.
CurrentUserAccounts	addCredit()	Adds credit to a user's account.
CurrentUserAccounts	refund()	Processes a refund for a user's account
AvailableItemFile	bid()	Places a bid on an item in the available items list.
AvailableItemFile	advertise()	Creates and adds a new advertisement for an item.
AvailableItemFile	addSpaces()	Adds spaces to a string for formatting purposes.
AvailableItemFile	formatAmount()	Formats the amount for displaying purposes.
AvailableItemFile	formatDaysLeft()	Formats the number of days left for an advertisement.



UML:



Main

main(): iterates through Daily
transaction file
parseFile: String line (function reads a text file line by line,
extracting and assigning values to
variables, and then writes
these variables to an output file.)

Main will read through DTF and call the appropriate function.

bid: String seller, String itemName,String buyer,
float bidAmount (change big)

advertise: String seller, String itemName, float startBid,
int duration (creates a new advertisment)

decAuntionDays: (Decrease number of days for auctions)

addSpaces: String str, int numChars (adds spacces to a string for format purposes)

formatAmount: String str (Test if formatting an amount works with valid data and fails with invalid data. Assess amount formatting logic, input validation, and error messages in formatAmount()) formatDaysLeft: String str (Parse int and format daysLeft add preceding)

AvailableItemFile

AvailableItemFile is also static and will read and write from and to the available items file

CurrentUserAccounts is a static class and it will read/write from and to the available items file