# Back-End methods

Back-End methods are located in CentralCore class.

createOrUpdateDailyFile():
This method takes no parameters and returns void. It creates or updates a formatted daily transaction file based on the format of each transaction.

public static void processFileChanges():
This method takes no parameters and returns void. It checks if a daily transaction file from the previous day exists. If it does then it processes the transactions of the previous day, adds them to a merged daily transaction file and then deletes the daily transaction file.

public static void applyDtfChanges(String dtfFile):
This method takes the daily transaction file as a parameter and returns void. It reads each line of file (each transaction) and copies it into an Array of Strings. It splits each string of the array(transaction) based on an underscore and uses the retrieved data to manipulate users.txt and tickets.txt. Whenever an error is generated, it is saved into the error.txt.

public static List<String> userFileLines():
This method takes no parameters and returns a List of Strings. It copies the data of users.txt into an ArrayList called userLine, and it returns userLine.

public static List<String> ticketFileLines():
This method takes no parameters and returns a List of Strings. It copies the data of tickets.txt into an ArrayList called ticketLine, and it returns ticketLine.

public static void rewriteUsers(List<String> userLines):
This method takes a list of strings named userLines as a parameter and it rewrites the users.txt file after the merged daily transaction file has been created based on the data manipulated in merged daily transaction file. It returns void.

public static void rewriteTickets(List<String> ticketLines):
This method takes a list of strings ticketLines as a parameter and it rewrites the tickets.txt file after the merged daily transaction file has been created based on the data manipulated in meged daily transaction file. It returns void.