CS 321 – 001 Software Requirements and Design Modeling
Framework Summary
03/22/16

What Framework Does

The framework provides functionality for:

Input Files

1) Retrieving instructions from input files 1 by 1 where each instruction is returned as an array of strings

Reservations

2) Storing Reservation objects.

3) Retrieving stored Reservation objects by the object's reservationID

4) Retrieving stored Reservation objects by the object's customerID

5) Retrieving stored Reservation objects by providing the reservationID of the object to be modified as well as an updated version of the object (meaning that multiple fields can be changed at once)

6) Deleting Reservation objects from the framework (deleted objects can no longer be retrieved)

Customers

7) Storing Customer objects

8) Retrieving stored Customer object by the object's customerID

9) Retrieving stored Customer object by the object's name

10) Modifying stored Customer objects by providing the customerID of the object to be modified as well as an updated version of the object

11) Deleting Customer objects from the framework

Framework Methods (provided)

Reading Input Files
void init(String filename)
boolean hasNextInstruction()
String[] nextInstruction()

Managing Customer Objects
int storeCustomer(Customer c)
boolean deleteCustomer(int customerID)
Customer getCustomerByID(int customerID)
Customer getCustomerByName(String name)
boolean modifyCustomer(int customerID, Customer c)
Managing Customer Objects
int storeReservation(Reservation r)
boolean deleteReservation(int reservationID)
Reservation getReservationByID(int reservationID)
Reservation getReservationByName(int customerID)
boolean modifyReservation(int reservationID, Reservation r)

Customer and Reservation Methods (You implement)

Customer Setters and Getters	
void setCustomerID(int id)	**int** getCustomerID()
void setName(String name)	**String** getName()
void setAddress(String address)	**String** getAddress()
void setCCType(String ccType)	**String** getCCType()
void setCCNumber(String ccNumber)	**String** getCCNumber()
void setCCExpiration(String ccExpiration)	**String** getCCExpiration()

Reservation Setters and Getters	
void setReservationID(int reservationID)	**int** getReservationID()
void setStatus(int status)	**int** getStatus()
void setStartDate(int startDate)	**int** getStartDate()
void setEndDate(int endDate)	**int** getEndDate()
void setRoomType(int roomType)	**int** getRoomType()
void setNumOccupants(int numOccupants)	**int** getNumOccupants()
void setGuaranteed(int guaranteed)	**int** getGuaranteed()
void setRoomNumber(int roomNum)	**int** getRoomNumber()
void setCustomerID(int customerID)	**int** getCustomerID()