|  |
| --- |
| HotelBooking |
|  |
| Menu() |

|  |
| --- |
| Cancellations |
| -rNum:int  -hotelReservations: ArrayList<String> |
| Cancellations()  readFiles()  Customer(hotelReservations:ArrayList<String>  addToCancellations() |

UML Diagram:

|  |
| --- |
| Reservations |
| -rName: String  -rNum: int  -rType: String  -checkInDate: String  -noOfNights: int  -roomChoice: String  -occupancy: String  -breakfastCost: double  -cost: double  -deposit:double |
| Reservations()  readFiles()  Customer(hotelReservations: ArrayList<String>  writeToFile()  discount() |

|  |
| --- |
| Dates |
| -c: Calendar  -stayDates: Calendar  -eldato: Date  -dateToReturn: String  -daysStayed: ArrayList<Integer>  -setDaysArray: ArrayList<Integer> |
| Dates()  validateDate(checkInDate:String, noOfNights: int, cost:double)  getDaysStayed()  setArray(daysStayed:ArrayList<Integer>  getDate(): String |

|  |
| --- |
| CheckIn |
| -hotelCheckIns:ArrayList<String>  -resNo: String |
| CheckIn()  readFiles()  Customer(hotelCheckIns:ArrayList<String>)  addToHotelStays() |

|  |
| --- |
| Cost |
| -amount: double |
| hotelRates(days:ArrayList<Integer>, hotelReservations: ArrayList<String>, roomChoice:String) |

|  |
| --- |
| CheckOut |
| -hotelCheckOuts:ArrayList<String>  -resNo:String |
| CheckOut()  readFiles()  Customer(hotelCheckOuts:ArrayList<String>  addToHotelLeaves() |

|  |  |
| --- | --- |
| Hotel Booking | |
| Sends first user to specified classes | Reservations  Cancellations  CheckIn  CheckOut |

CRC cards:

|  |  |
| --- | --- |
| Reservations | |
| Takes in a file  Sets up a user’s reservation  Writes users information about the reservation to a new file | Cancellations  Date  Cost |

|  |  |
| --- | --- |
| Cancellations | |
| If a user enters correct reservation number, reservation is sent to cancellation file | Reservations |

|  |  |
| --- | --- |
| Dates | |
| Checks for a valid input date  Finds how many days stayed | Reservations  Cost |

|  |  |
| --- | --- |
| Cost | |
| Finds total cost for customers | Reservations  Dates |