CS4013 Project CRC Cards.

HotelReservationSystem	
Responsibilities	**Collaborators**
Allow user to manage reservations Allow user to manage stays Allow user to manage cancellations Allow user to retrieve analytics	ConstantUtils MenuPrinter InputReader ReservationReader StayWriter ReservationWriter CancellationWriter HotelReader StayReader CancellationReader AnalyticsGenerator DateRange UserReader

ReservationReader	
Responsibilities	**Collaborators**
Read data from Reservations.csv file Store data on reservations Apply operations on reservation data	Reservation InputReader Room Date

StayReader	
Responsibilities	**Collaborators**
Reader data from Stays.csv file Store data on stays Apply operations on stay data.	Stay Reservation Room Date

UserReader	
Responsibilities	**Collaborators**
Read data from SystemUsers.csv file Store data on users Apply operations on user data.	User

CancellationReader	
Responsibilities	**Collaborators**
Read data from Cancellations.csv file Store data on cancellations Apply operations on cancellation data.	Cancellation Reservation Room Date

HotelReader

Responsibilities	Collaborators
Read data from hotels.csv file Store data on hotels Apply operations on hotel data.	Hotel RoomType

ReservationWriter

Responsibilities	Collaborators
Make a reservation	Reservation InputReader HotelReader

StayWriter

Responsibilities	Collaborators
Check in customers Check out customer	Stay InputReader ReservationReader StayReader

CancellationWriter

Responsibilities	Collaborators
Make cancellation	Cancellation ReservationReader InputReader

ConstantUtils

Responsibilities	Collaborators
Store constants that are used more than once in the program	

AnalyticsGenerator

Responsibilities	Collaborators
Print analytics on hotel occupancy to a csv file Print analytics on room occupancy to a csv file Print financial analytics to a csv file	HotelReader ReservationReader StayReader CancellationReader DateRange

Date	
Responsibilities	**Collaborators**
Store a date Perform operations on dates	

DateRange	
Responsibilities	**Collaborators**
Store a range of Dates Perform operations on the date range	Date

InputReader	
Responsibilities	**Collaborators**
Read valid user input for menu choices, reservations, cancellations, checkins, checkouts, discounts, dates and rooms.	InputValidator Reservation Room ReservationReader Cancellation Stay Date DateRange

InputValidator	
Responsibilities	**Collaborators**
Check the validity of certain user input	

MenuPrinter	
Responsibilities	**Collaborators**
Print menus	

TestProject	
Responsibilities	**Collaborators**
Run the system	HotelReservationSystem

Cancellation

Responsibilities	Collaborators
Store a cancellation apply operations to cancellation	Reservation Date

Hotel

Responsibilities	Collaborators
Store a hotel Apply operations a hotel	RoomType

Reservation

Responsibilities	Collaborators
Store a reservation Calculate the cost of the reservation Apply advance purchase discount on reservation	Room Date HotelReader

Room

Responsibilities	Collaborators
Store a room set/get room attributes	

RoomType

Responsibilities	Collaborators
Store a room type convert a room type to a string	

Stay

Responsibilities	Collaborators
Store a stay Convert stay to string	Reservation Date

User

Responsibilities	Collaborators
Store a user Check if two users are equal	