Project proposal: Island Hotel

**Name Pair:**

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**Manager**: ThapanaBerpan

**Proposal**:

We will create a program where the manager can manipulate and retrieve customer records for a hotel.The name of the hotel is “IslandHotel”.

**Description**:

We will have a manager GUI interface that will prompt for a name and report reservation info regarding the customer including: room, meals, length of stay, cost of reservation. If the customer is not in the database the program will prompt the user to create a new customer.

Based on name Input, the hotel manager can:

Calculate total reservation cost

length of stay

meals,

suites(rooms),

**UML**

Person

- Name : String

- Id: int

- RoomNum: int

+ Person()

+ getName(): String

+ getId(): int

+ getRoomNum(): int

HotelRecord

+ scene1Id : String

+ screen1File(): String

- Date: int

- stayLength: int

- roomNum: int

- guestNum: int

- suiteNum: String

- meal: String;

- customerName: String

+ start()

+ main()

+ HotelRecord()

+ HotelRecord (int ,int ,int, int, String, String, String)

+ getGuestNum(): int

+ getSuiteNum(): String

+ getMeal(): String

+ getCustomerName(): String

+ setGuestNum(): void

+ setSuiteNum(): void

+ setMeal(): void

+ setCustomerName(): void

+ calcExtraCost(): double

+ calcGuestsToStay(): int

GUI

+ initialize()

+ setScreenParent()

User-Stories

* I had a hard time keeping track of customers checking in to my hotel and with this tool I was able to find data with a simple name search relevant to the customers and easily perform calculations and determine the amount they needed to be charged.
* I needed a tool to manipulate data for my hotel and found this great application from students at Edmonds Community College which allows me to manipulate customer data with the add() and remove() functions.