Model::Main

User Interface

Main
+Master
+Header Frame
+Banner Image
+Customer Image Button
+Reservation Image Button
+Room Image Button
+Body Frame
+Body Image

+Display()
+Master()
+CustomerDetails()
+ReservationDetails()
+RoomDetails()

Details Validation

CustomerFactory
+FullName()
+DateofBirth()
+PhoneNumber()
+Email()
+CustomerType()
+GuestID()
+insert_data()
+reset_data()
+search_data()
+fetch_data()
+get_details(event)

Composition

Dependency

Composition

Composition

Composition

Composition

Dependency

Guest
+GuestID
+Title
+FirstName
+LastName
+DateofBirth
+Gender
+PhoneNumber
+Email
+Address
+Postcode
+Country
+Reward

+getGuestID()
+getTitle()
+getFirstName()
+getLastName()
+getDateofBirth()
+getGender()
+getPhoneNumber()
+getEmail()
+getAddress()
+getPostcode()
+getCountry()
+getReward()
+insert_data()
+update_data()
+reset_data()
+delete_data()
+search_data()
+fetch_data()
+get_details(event)

Parent Class

Direct Association

Reservation
+BookingID
+HotelLocation
+GuestID
+RoomType
+RoomNumber
+PurposeofStay
+checkinDate
+checkoutDate
+NumberofAdults
+NumberofChildren
+SpecialRequirements
+Discount
+VAT
+TotalCost
+PaymentMethod

+getBookingID()
+getHotelLocation()
+getGuestID()
+getRoomType()
+getRoomNumber()
+getPurposeofStay()
+checkinDate()
+checkoutDate()
+getNumberofAdults()
+getNumberofChildren()
+getSpecialRequirements()
+getDiscount()
+getVAT()
+calculateTotalCost()
+getPaymentMethod()
+insert_data()
+update_data()
+reset_data()
+delete_data()
+search_data()
+fetch_data()
+total()
+apply_discount()
+fetch_customer_search()
+get_details(event)

Direct Association

Room
+RoomNumber
+FloorLevel
+HotelLocation
+RoomType
+RoomPrice

+getRoomNumber()
+getFloorLevel()
+getHotelLocation()
+getRoomType()
+getRoomPrice()
+insert_data()
+update_data()
+reset_data()
+delete_data()
+fetch_data()
+get_getails(event)

Subclass

Standard Customer
+GuestID
+Title
+FirstName
+LastName
+DateofBirth
+Gender
+PhoneNumber
+Email
+Address
+Postcode
+Country
+NoReward

+getGuestID()
+getFirstName()
+getLastName()
+getDateofBirth()
+getGender()
+getPhoneNumber()
+getEmail()
+getAddress()
+getPostcode()
+getCountry()
+getNoReward()
+insert_data()
+update_data()
+reset_data()
+delete_data()
+fetch_data()
+get_details(event)

Subclass

Premium Customer
+GuestID
+Title
+FirstName
+LastName
+DateofBirth
+Gender
+PhoneNumber
+Email
+Address
+Postcode
+Country
+Reward

+getGuestID()
+getTitle()
+getFirstName()
+getLastName()
+getDateofBirth()
+getGender()
+getPhoneNumber()
+getEmail()
+getAddress()
+getPostcode()
+getCountry()
+getReward()
+insert_data()
+update_data()
+reset_data()
+delete_data()
+search_data()
+fetch_data()
+get_details(event)