|  |
| --- |
| **INFO2320 Assignment 2 Section XX Team YY**  *By signing below, I certify that I have fully complied with the INFO2320 Code of Honor.*  Student 1: Khachig Kerbabian  Student 2: Shakir Hansrod  Student 3: Brittany McNabb |

**Individual VP Lab** (20% of A2 mark for each member / presenter)

Complete the table below after each member has completed their VP lab. Fill out the location (e.g., Zoom, MS Teams) and date & time, where the demo was completed. *Members must sign their own name.*

|  |  |  |
| --- | --- | --- |
| **Team Member**  (Presenter) | **Location, Demo Date and Time** | **Certified By**  (Another team Member) |
| 1.Khachig kerbabian | Zoom call, 2021-10-15, 6:00pm | Shakir Hansrod |
| 2.Shakir Hansrod | Zoom call, 2021-10-15, 6:00pm | Brittany McNabb |
| 3.Brittany McNabb | Zoom call, 2021-10-15, 6:00pm | Khachig Kerbabian |

**Team Assignment 2** (80% of A2 mark)

**Task 1: Class Attribute Table**

**Task 1A: VPRU Resort Relations Subsystem (RRS)**

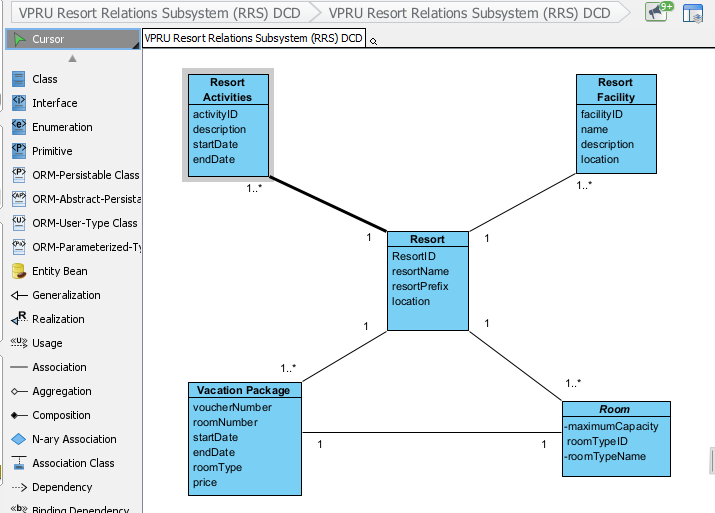
|  |  |  |
| --- | --- | --- |
| Class | Attribute | Synonym (Optional) |
| Resort |  |  |
|  | resortID |  |
|  | resortName |  |
|  | resortPrefix |  |
|  | location |  |
| Resort Activities |  |  |
|  | activityID |  |
|  | description |  |
|  | startDate |  |
|  | endDate |  |
| Resort Facility |  |  |
|  | facilityID |  |
|  | name |  |
|  | description |  |
|  | location |  |
| Vacation Package |  |  |
|  | voucherNumber |  |
|  | roomNumber |  |
|  | startDate |  |
|  | endDate |  |
|  | roomType |  |
|  | price |  |
| Room |  |  |
|  | maximumCapacity |  |
|  | roomTypeID |  |
|  | roomTypeName |  |

**Task 1B: VPRU Vacation Booking Subsystem (VBS)**

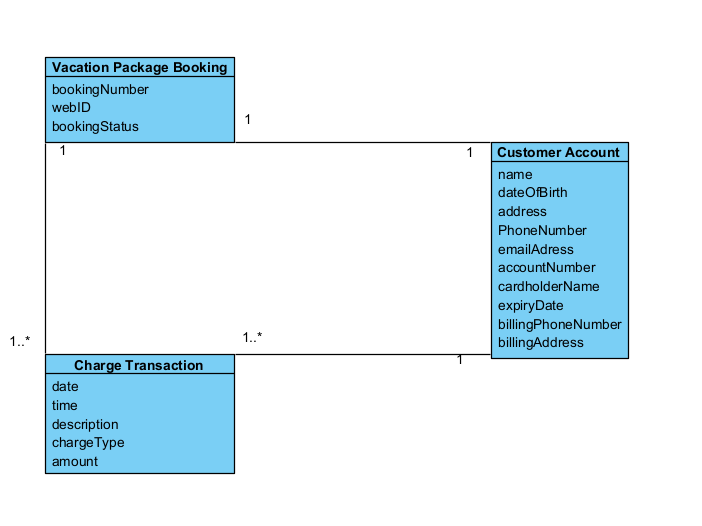
|  |  |  |
| --- | --- | --- |
| Class | Attribute | Synonym (Optional) |
| Vacation Package Booking |  |  |
|  | bookingNumber |  |
|  | webID |  |
|  | bookingStatus |  |
| Charge Transaction |  |  |
|  | date |  |
|  | time |  |
|  | description |  |
|  | chargeType |  |
|  | amount |  |
| Customer Account |  |  |
|  | name |  |
|  | dateOfBirth |  |
|  | address |  |
|  | phoneNumber |  |
|  | emailAddress |  |
|  | accountNumber |  |
|  | cardholderName |  |
|  | expiryDate |  |
|  | billingPhoneNumber |  |
|  | billingAddress |  |

**Task 2: Domain Class Diagram (DCD)**

**Task 2A: VPRU Resort Relations Subsystem (RRS)**



**Task 2B: VPRU Vacation Booking Subsystem (VBS)**



**Task 3: VP Booking Object Life Cycle**

**Task 3A: VPRU VP Booking State Table**

|  |  |  |
| --- | --- | --- |
| **State ID** | **State Name** | **Transition Causing Exit** |
| S00 | VP booking created with 1 Primary Guest | VP Booking is booked |
| S01 | VP booking status On Hold | Primary quest conforms the booking |
| S02 | VP booking status expired | Count down timer for On Hold status to be expired after one day when |
| S03 | VP booking status Deposit received | When the initial deposit is paid. |
| S04 | VP booking status expired | If the primary guest does not pay before the time that is required which is one day |
| S05 | VPRU system will send reminder | 6 weeks before the trip starts. |
| S06 | VP booking status is set to fully paid | When the primary guest pays the remaining balance on or before the cut-off date |
| S07 | VP Booking status set to refunded | If the VP booking is cancelled by primary guest on or before the cut-off date |
| S08 | VP Booking status set to canceled | If the VP booking is cancelled by the primary guest after the cut-off date, and there will be no refund. |
| S09 | VP booking status is changed from deposit received to expired | If the owner of the group failed to act on the reminder after the cut-off date. And the primary guest will not get a refund. |
| S10 | VP Booking status set to checked in. | When one of the VP booking guests arrives at the resort, they present their fully paid. VP booking details to the resort staff. |
| S11 | VP Booking status set to checked out. | When the primary guest  leaves the resort. |

**Task 3B: VPRU VP Booking State Machine Diagram**

