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| **INFO2320 Assignment 3 Section XX Team YY**  *By signing below, I certify that I have fully complied with the INFO2320 Code of Honor.*  Student 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Student 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Student 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Student 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Individual VP Lab** (20% of A3 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.*

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| --- | --- | --- |
| **Team Member**  (Presenter) | **Location, Demo Date and Time** | **Certified By**  (Another team Member) |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |

**Team Assignment 3** (80% of A3 mark)

**Task 1: Use Case Description with SSD**

**Task 1A:**

*< Below is a sample UCDesc template. Reference: Systems Analysis and Design in a Changing World, 7th Edition - Chapter 5 >*

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | UC01 | |
| **Use Case Name** | Create new order | |
| **Scenario** | Create new telephone order | |
| **Triggering Event** | Customer telephones order desk to purchase items from the catalogue | |
| **Brief Description** | When customer calls to order, the order clerk and system verify customer information, create a new order, add items to the order, verify payment, create the order transaction and finalise the order | |
| **Actor** | Telephone sales clerk | |
| **Related Use Cases** | Includes *Check item availability*  Includes *Maintain customer information* | |
| **Stakeholders** | Sales department: to provide primary definition  Shipping department: to verify that information content is adequate for fulfillment  Marketing department: to collect customer statistics for studying buying behaviour | |
| **Preconditions** | Customer must exist  Catalogue, parts, and inventory items must exist for requested items | |
| **Postconditions** | Order and order line items must be created  Order transaction must be created for the order payment  Inventory items must have the quantity on hand updated  The order must be related (associated) with a customer | |
| **Flow of Activities** | **Actor** | **System** |
| 1. Sales clerk answers telephone and connects to a customer 2. Clerk verifies customer information 3. Clerk initiates the creation of a new order 4. Customer requests an item be added to the order 5. Clerk verifies the item (*Check item availability* use case) 6. Clerk adds item to the order 7. Repeat steps 4, 5, and 6 until all items are added to order 8. Customer indicates end of order; clerk enters end of order 9. Customer submits payment, clerk enters amount | 3.1 Create a new order  5.1 Display item information  6.1 Add an order item  8.1 Complete order  8.2 Compute totals  9.1 Verify payment  9.2 Create order transaction  9.3 Finalise order |
| **Exception Conditions** | 2.1 If customer does not exist, then the clerk pauses this use case and invokes *Maintain customer information* use case.  2.2 If customer has a credit hold, then clerk transfers customer to a customer service representative  5.1 If an item is not in stock, the customer can:  a. choose not to purchase item or,  b. request item be added as a back-order item  9.1 if customer payment is rejected due to bad credit-verification, then:  a. order is cancelled or,  b. order is put on hold until cheque is received | |

**Task 1B:**

<…>

**Task 2: Use Case Description with SSD**

**Task 2A:**

<…>

**Task 2B:**

<…>

**Task 3: Activity Diagram**

**Use Case: \_\_\_\_\_**<…>**\_\_\_\_\_**

<…>

**Task 4: CRUD Matrix**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Use Case | | | |
| Domain Class | UC#21 Add Multiple Draft VP Vouchers | UC#42 Reserve a Vacation Package | UC#46 Cancel a Reservation | UC#24 Approve and publish a VP |
| Resort | C |  |  | U |
| Vacation Package | U |  |  | U |
| Student | R | C | U |  |
| VP Booking |  |  |  | C |