Assessment: 2

Question 1:

Design: Prepare a flowchart for the below process on a PowerPoint slide.

Requirement:

* For each of the email received in your inbox with subject containing “Booking” or” Cancellation” or from sender.
* Extract Guest Name, Hotel Name, Hotel ref, Nights, Arrival, Departure Date and, Booking reference, Meal Plan, from (Attachment .pdf format only).
* For Booking Confirmation, allocate a room for the number of days of stay in respective hotel by population GuestName: Hotel ref Number combination.
* Update Log file for this detail
* In case there are no rooms available for the duration of stay then move it to waitlisted folder.
* If in case of any failure, move to Failed folder.
* In case of success, move to Processed folder.
* In case of cancellation for the same booking reference, use combination of GuestName: Hotel Ref and Date to delete record and update log file’s Current Status as Cancelled for that combination.
* You need to read emails from Inbox as well as Waitlisted folder to process.
* In case template has no date range found to allocate booking then also move to waitlisted, if date for allocation is updated then it will be picked.
* For each run, share the details of Total Booking received, Total Waitlisted and availability of rooms by date in email like mentioned below.

**Hello Anupam,**

Hotel: Hotel Charlemont

Total Bookings: 4

Total cancellation: 1

Total Waitlisted

Total Rooms available below for next 7 days availability only:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **05-04-2023** | **06-04-2023** | **07-04-2023** | **08-04-2023** | **09-04-2023** | **10-04-2023** | **11-04-2023** |
| 2 | 4 | 1 | 0 | 0 | 2 | 3 |

Hotel: Hotel Sandy Road Galway

Total Bookings: 4

Total cancellation: 1

Total Waitlisted

Total Rooms available below for next 7 days availability only:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **05-04-2023** | **06-04-2023** | **07-04-2023** | **08-04-2023** | **09-04-2023** | **10-04-2023** | **11-04-2023** |
| 2 | 4 | 1 | 0 | 0 | 2 | 3 |

Thanks

Your Name”

* Proper log messages with their levels.
* Use of Business rule exception and user specific messages.
* Failed email should be moved to failure folder and success email to processed folder.
* Proper naming conventions should be used.

**Log File should be only one file for a project that should not be created for each run.**

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