

TASK1 (A)

A System Analyst studies the current system to help him/her to see which adjustments and improvements can be made. For this to happen, the System Analyst needs to analyse many documents. The purpose of a document analysis is to gather as much as information about the current system (e.g. if system is running efficiently) so that the new system will not have the current system problems.

TASK1 (B)

There are several inputting methods on the current system in the resort. For the data to be stored, the forms and documents must be filled in. The data can be stored either by paper or be on the computer. The system analyst must check the documents so no faults can appear on how the data is inputted.

The **five** of the main documents that the systems analyst will have considered is:

Booking Details Document: This will contain data on rooms that are booked, rooms that are free, the room prices and rooms which are reserved for Off Peak/ Peak seasons.

Room Details Document: This data will be on the computer because of the many rooms the resort can provide. Single/Double bed rooms and 'Premium View' rooms; details of these rooms will be provided in this document. This document will also contain the charges for the 'Room Service'.

Skiing Lessons Document: This document will show the pricing of the lessons, for child and adult. Also this document will contain criteria of the skiing levels for trained customers. Details of lessons (time and date) will show on this document.

Invoice Document: This will have details of the customer, what the customer has purchased and any extra items charged on the rooms. This will have details on the prices of each items, it will show VAT price and the total price for all items and lessons that are booked.

Recorded Sales Documents: This document has details and records of all rooms purchased during the past year. The data that is shown on this document can help the resort manager to estimate how many rooms he should keep open or even build new rooms.

TASK 2: INVOICE

PIRANHA ADVENTURE VACATION



56-78 Eagle House
Basely Way,
London NW2 7HF
Tele: 0208 208 0343
Fax: 0208 208 0344

INVOICE

INVOICE NO	34454
INVOICE DATE	30-Nov-02
PAYMENT METHOD	Debit Card
ROOM NO.	66

A great place for a VACATION!

INVOICE TO

NAME	Allan, John
ADDRESS	25 Paisley Way
TOWN/CITY	London
POSTCODE	HA0 4JY
TELEPHONE NO.	0207399378

PRODUCT DESCRIPTION	QUANTITY	UNIT PRICE	DISCOUNT	AMOUNT
Newspapers	5	£0.50	-	£2.50
Room Service	1	£20	-	£20
Mini-Bar	1	£32	-	£32
Videos	8	£2.50	-	£20
Skiing Lessons (Adult)	10	£20	-£50	£150
Skiing Lessons (Child)	5	£15	-£15	£60

Excluded VAT	VAT	VAT AMOUNT
£284.50	17.5%	£48.37

TOTAL USED	30
TOTAL VAT	£48.37
INVOICE TOTAL	£332.87

DELAY INTEREST	TERMS OF PAYMENT
5.00%	Payments should be made within the next 7 days. If payment is not made they will receive a surcharge of 5%

TASK 3: STRUCTURED ENGLISH

Input Required Level

Get First Session

Do until no more sessions available or sessions booked

 Get places available

If guest is less than twelve years old then

If guest requests less than five lessons then

Charge £15 per lesson. Else,

If guest requests five lessons then

Charge £60. Else,

Charge £100 for ten lessons. Else,

End if

End if. Else,

If guest requests less than five lessons then

Charge £20 per lesson. Else,

If guest requests five lessons then

Charge £80. Else,

Charge £150 for ten lessons.

End if

End if. Else,

If guest requests a skiing lesson then

Do an on-screen credit check else

If guest needs a higher credit limit then

Request their credit/debit card details else

Charge the lesson to their room.

If lesson is available then

Book lesson

Add the guest to the attendance register else

Try again later

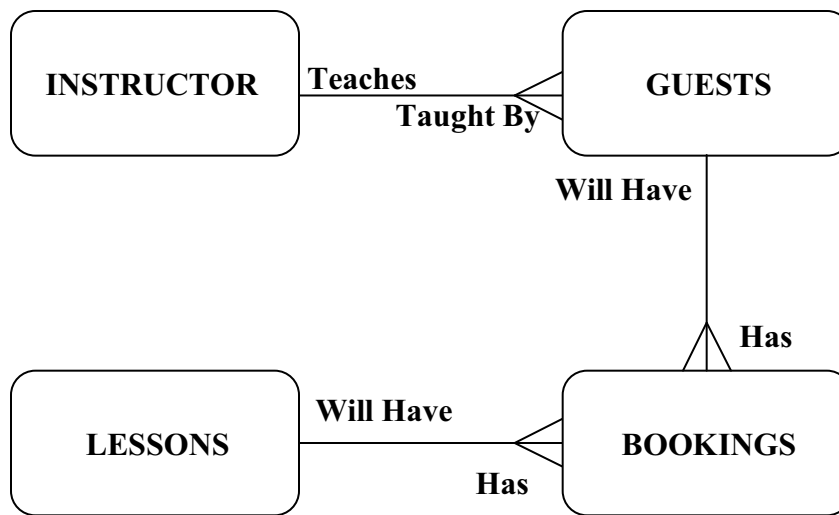
End if

End if

End if

End until

TASK 4 (A)



TASK 4 (B)

Field Name	Datatype	Entity
Lesson Level	TEXT	LESSON/GUEST
Room Number	NUMERIC	GUEST
First Lesson	BOOLEAN	LESSON
Spaces Available	NUMERIC	BOOKING
Guest ID	NUMERIC	GUEST/BOOKING
Start Time	DATE/TIME	BOOKING/LESSON
Instructor Name	TEXT	INSTRUCTOR/LESSON

TASK 4 (C)

A suitable validation method for the field lesson level is to use the drop down menu because the user will have to select one out of the four required levels canceling out all human errors. Levels on the drop down menu are novice, nursery, intermediate and advanced.