What I’m expected to do:

* 1 The music shop mainly sells guitars, brass & woodwind instruments, and accessories,
* 2 but also provides lessons which customers can book.

Customers can only book a lesson for an instrument that the shop sells. (create an instrument)

* 3 The application should be able to show a list of bookings for a given day. (search algorithm)
* 4 The application should have a feature where a user can search for an instrument or accessory.
* 5 The application should also produce a sales report that shows the total sales from instruments and the total income from the lessons.
* 6 Data should be stored in a text file.

Use case 1: Creating/Storing instrument (fufils part of req 1)

Select create new instrument

Enter instrument name

Enter make

Enter model

Enter notes

If string instrument

Number of strings

Type acoustic, electric, bass

Colour

If brass instrument

Number of valves

Keys

Material

Finish

If woodwind instrument

Number of keys

Material

Key

Save

Use case 2 : creating/storing an accessory(fulfils the remaing req 1)

Select create new accessory

Enter accessory name

Enter price per accessory

Enter stock

Enter if accessory is applicable to a stringed instrument

Enter if accessory is applicable to brass instrument

Enter if accessory is applicable to woodwind instrument

save

use case 3: creating a customer

select create new customer

enter name

enter address

enter phone number

enter any notes from the customer

Use case 4: creating/displaying a booking (fulfils req 2)

Select create new booking

Select which customer the booking is for

Select which instrument they whish to use

Enter Lesson level required

Enter Date

Enter Block booking (period they wish to book)

Enter if they wish to buy the instrument after the booking

If yes

Enter if they wish to buy any accessories during/after the booking

If yes

Select which accessory they wish to purchase

Enter how many

Display Quoted price

Save

Use case 5: display bookings on specific day (fulfils req 3)

Enter which day to check the bookings on (in format dd/mm/yyyy)

Use case 6: search for an instrument (fulfils part of req 4)

Select search specific instrument/accessory

Enter if accessory or instrument

If instrument

Enter part of instrument name

If accessory

Enter part of accessory name

Usecase 7:sales report from instruments and bookings(fultuls req 5)

Select sales report

Display total revenue

(what else am I supposed to say? It just displays the sales report)

User case 8:save to file (fulfils req 6)

Select save and quit

(it saves the information from all the vectors into designated files.)