

VILABOA DENTAL CLINIC DATABASE

User's Manual

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1. Objectives of this manual

The aim of this user manual is to show the users how the Vilaboa Dental Clinic Database application works.

2. User Manual

2.1. Main Menu

```
Welcome to the DentalClinic Database!
Choose an option, please:
1. Register as a receptionist
2. Register as a dentist
3. Register as a supplier
4. Register as a patient
5. Login
0. Exit
```

2.1.1. Register as a receptionist

If the user registers as a receptionist, the system will ask for the following data:

```
Please, input the receptionist's data:
Name:
marcos
Bank Account:
252525
Email:
marcos@gmail.com
Mobile:
655277456
Username:
marcos11
Password:
5727N
```

When all the data has been introduced, the user can access the application as a receptionist when he logs in.

2.1.2. Register as a dentist

If the user registers as a dentist, the system will ask for the following data:

```
Please, input the dentist's data:  
Name:  
maria  
Bank Account  
30952  
Email:  
maria@clinic.com  
Mobile:  
634505399  
Username:  
mariahernandez  
Password:  
M24ea3
```

When all the data has been introduced, the user can access the application as a dentist when he logs in.

2.1.3. Register as a supplier

If the user registers as a supplier, the system will ask for the following data:

```
Please, input the supplier's data:  
Name:  
victor  
Address  
calle del tinte  
Email:  
victor02@gmail.com  
Username:  
victorp  
Password:  
4422nN
```

When all the data has been introduced, the user can access the application as a supplier when he logs in.

2.1.4. Register as a patient

If the user registers as a patient, the system will ask for the following data:

```
Please, input the patient's data:
Name:
ada
Health number:
45633
Address
calle isla menorca
Email:
adaprieto@gmail.com
Username:
adaprieto
Password:
3529kJ
```

When all the data has been introduced, the user can access the application as a patient when he logs in.

2.1.5. Login

After the user registers, he can login by introducing his username and password and access the application.

```
Username:
adaprieto
Password:
3529kJ
```

The username is unique, so if one that already exists is introduced, the system will notify the user about an error.

Wrong username/password combination.

2.1.5.1. Login as a receptionist

When a receptionist logs in, the system shows what he can do in the application in the following menu:

1. Create an appointment
2. Update an appointment
3. Delete an appointment
4. View an specific appointment
5. View all appointments
6. Create a patient
7. View a patient by id
8. View a patient by name
9. Update a patient
10. Delete a patient
11. View all patients
12. View all appointments from a patient
13. View a receptionist by id
14. View a receptionist by name
15. Update my data
16. Delete my data
17. View all receptionist
18. View all dentists
19. Update date of arrival of supplies
20. View all orders ordered by date of arrival
21. View a specific order
22. View all appointments from a dentist
23. Print data of patient in a XML file
24. Print data of supplier in a XML file
25. Load patient from XML file
26. Load supplier from XML file
27. Exit
0. Back to main menu

2.1.5.2. Login as a dentist

When a dentist logs in, the system shows what he can do in the application in the following menu:

1. View all my appointments
2. View a patient by id
3. View a patient by name
4. Create supply
5. View a supply
6. Delete a supply
7. View all supplies ordered by amount
8. Order supplies
9. View an order
10. Delete an order
11. View all orders I have placed
12. Update my data
13. Delete my account
14. Change supplies used in one of my appointments
15. Exit
0. Back to main menu

2.1.5.3. Login as a supplier

When a supplier logs in, the system shows what he can do in the application in the following menu:

1. View all my delivery notes
2. View one of my delivery notes
3. Update delivery date
4. Update my data
5. Delete my account
6. Exit
0. Back to main menu

2.1.5.4. Login as a patient

When a patient logs in, the system shows what he can do in the application in the following menu:

1. Update my data
2. Delete my account
3. View all my appointments
4. View my data
5. Exit
0. Back to main menu

2.2. Receptionist Menu

1. Create an appointment
2. Update an appointment
3. Delete an appointment
4. View an specific appointment
5. View all appointments
6. Create a patient
7. View a patient by id
8. View a patient by name
9. Update a patient
10. Delete a patient
11. View all patients
12. View all appointments from a patient
13. View a receptionist by id
14. View a receptionist by name
15. Update my data
16. Delete my data
17. View all receptionist
18. View all dentists
19. Update date of arrival of supplies
20. View all orders ordered by date of arrival
21. View a specific order
22. View all appointments from a dentist
23. Print data of patient in a XML file
24. Print data of supplier in a XML file
25. Load patient from XML file
26. Load supplier from XML file
27. Exit
0. Back to main menu

2.2.1. Create an appointment

To create an appointment, the system will ask the receptionist to input the date when the appointment will be made, its duration (in minutes), room, price, treatment to be made, the name of the dentist in charged of it and the name of the patient that will be treated.

```
Please, input the appointment's data:
Date (yyyy-MM-dd):
2023-05-13
Duration in minutes
60
Room:
1
Price:
255.99
Treatment(Implants/Cleaning/Braces/Tooth extractions/Whitening):
Braces
Name dentist:
paula
Name patient:
ada
```

Then, the catalogue of supplies that are currently available in the clinic will appear showing the id, name and item amount of each supply in order to let the receptionist choose which ones are going to be used by the dentist in the appointment. The chosen supplies will automatically get deleted from the stocks of the catalogue in order to be stored specifically for that appointment.

```
These are the supplies available ordered by amount:
[
  [Id=12, Name=Face masks, Amount=100],
  [Id=11, Name=Rinsing cups, Amount=200],
  [Id=10, Name=whitener, Amount=485],
  [Id=8, Name=braces, Amount=496],
  [Id=9, Name=tweezers, Amount=498],
  [Id=3, Name=drill, Amount=499],
  [Id=1, Name=anesthesia, Amount=678],
  [Id=2, Name=cotton, Amount=903],
  [Id=4, Name=toothpaste, Amount=976],
  [Id=5, Name=flossh, Amount=988],
  [Id=6, Name=glue, Amount=991],
  [Id=7, Name=implant, Amount=1024]]
Please, input the supply's id and amount you want for this appointment.
7
10
Do you want to add more supplies? YES:1; NO=0
0
```

2.2.2. Update an appointment

To update an appointment, the system will ask the receptionist to input the id of the appointment that he wants to modify and will ask again to introduce all the information that is associated to an appointment:

```
Please, input the appointment's data you want to update:
Id
17
Date (yyyy-MM-dd) :
2023-05-13
Duration
70
Room:
1
Price:
295.99
Treatment (Implants/Cleaning/Braces/Tooth extractions/Whitening):
Braces
Name dentist:
paula
Name patient:
ada
```

For instance, this image shows that the appointment created in option 1 has had its duration and its price modified.

2.2.3. Delete an appointment

To delete an appointment, the system will ask the receptionist to input the id of the appointment he wants to remove:

```
Please, input the appointment's id you want to delete:
17
It has been deleted correctly
```

2.2.4. View an specific appointment

To view a specific appointment, the system will ask the receptionist to input the id of the appointment he wants to see to show him all the data associated with that appointment.

```
Please, input the appointment's id you want to see:
2
[Id= 2, Date=2023-06-06, Duration(mins)=60, Room=2, Price=298.83, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=2]
```

2.2.5. View all appointments

View all appointments will show all the appointments that take place in the dental clinic with all their characteristics including their id, date, duration, room, price, treatment, dentist, and receptionist:

```
[Id= 1, Date=2023-03-04, Duration(mins)=30, Room=1, Price=293.98, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
[Id= 2, Date=2023-06-06, Duration(mins)=60, Room=2, Price=298.83, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=2],
[Id= 3, Date=2023-04-05, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
[Id= 4, Date=2023-04-05, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
[Id= 5, Date=2023-03-04, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=6, Patient(id)=1],
[Id= 7, Date=2023-08-07, Duration(mins)=60, Room=1, Price=458.78, Treatment=Cleaning, Dentist(id)=2, Receptionist(id)=2, Patient(id)=18],
[Id= 8, Date=2024-05-03, Duration(mins)=45, Room=2, Price=345.69, Treatment=Whitening, Dentist(id)=2, Receptionist(id)=6, Patient(id)=18],
[Id= 9, Date=2024-02-03, Duration(mins)=60, Room=2, Price=678.0, Treatment=Tooth extractions, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
[Id= 10, Date=2024-01-02, Duration(mins)=30, Room=2, Price=234.65, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=2],
[Id= 11, Date=2023-03-04, Duration(mins)=45, Room=2, Price=982.0, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
[Id= 12, Date=2024-02-01, Duration(mins)=30, Room=2, Price=1234.0, Treatment=Whitening, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],
[Id= 13, Date=2023-08-07, Duration(mins)=60, Room=4, Price=345.0, Treatment=Braces, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],
[Id= 14, Date=2025-08-07, Duration(mins)=30, Room=3, Price=1234.0, Treatment=Tooth extractions, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1],
[Id= 15, Date=2023-03-04, Duration(mins)=60, Room=1, Price=1234.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=18],
[Id= 16, Date=2023-03-04, Duration(mins)=12, Room=1, Price=123.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1],
[Id= 17, Date=2023-07-06, Duration(mins)=60, Room=2, Price=345.96, Treatment=Braces, Dentist(id)=4, Receptionist(id)=6, Patient(id)=19]]
```

2.2.6. Create a patient

To create a patient, the system will ask the receptionist to input the name, health number, email, address, username and password of the new patient.

```
Please, input the client's data:
Name:
lucia
Health Number:
004586
Email:
luciav@gmail.com
Address:
calle de las rosas
Username:
luciav
Password:
343332H
```

2.2.7. View a patient by id

By introducing the id of a patient, the receptionist will see the detailed information of the required patient including his id, name, health number, address and email.

```
Please, input the client's id :
2
```

```
[Id=2, Name=elena morales, Health number=35872, Address=calle playa del sardinero, Email=elena@gmail.com]
```

2.2.8. View a patient by name

By introducing the name of a patient, the receptionist will see the detailed information of the required patient including his id, name, health number, address and email.

Please, input the client's name:

Derek

```
[Id=19, Name=Derek, Health number=6789, Address=C/ Santas Pascuas 7, Email=Derek@Shepperd.com]
```

2.2.9. Update a patient

To update a patient, the system will ask the receptionist to input the id of the patient that he wants to modify and will ask again to introduce all the information that is associated to a patient:

Please, input the client's data you want to update:

Id:

20

Name:

lucia

Health Number:

345354

Email:

luciav@gmail.com

Address:

calle de las rosas

For instance, this image shows that the patient created in option 6 has had her health number modified.

2.2.10. Delete a patient

To delete a patient, the system will ask the receptionist to input the id of the patient he wants to remove:

Please, input the client's id you want to delete:

20

It has been deleted correctly

2.2.11. View all patients

Option 11 will show all the patients that are assisted in the dental clinic with their id, name, health number, address and email.

List of patients:

```
[
  [Id=1, Name=laura nooij, Health number=17414, Address=calle de america, Email=laura@gmail.com],
  [Id=2, Name=elena morales, Health number=35872, Address=calle playa del sardinero, Email=elena@gmail.com],
  [Id=3, Name=keko, Health number=1974641, Address=calle ladera de los alemndros, 43, Email=keko2003@gamil.com],
  [Id=18, Name=andrea, Health number=283754, Address=calle del sol, 43, Email=andrea@gmail.com],
  [Id=19, Name=Derek, Health number=6789, Address=C/ Santas Pascuas 7, Email=Derek@Shepperd.com],
  [Id=20, Name=maria, Health number=1182361, Address=calle de alamzan, Email=mariacarmen@gmail.com]]
```

2.2.12. View all appointments from a patient

Option 12 will show all the appointments that the client has gone to since he has been registered by the system as a client of the clinic. The receptionist can see detailed information about each of them including the id, date, duration, room, price, treatment and dentist and receptionist that have treated him.

```
Please, input the client's id:
18
[
  [Id= 7, Date=2023-08-07, Duration(mins)=60, Room=1, Price=458.78, Treatment=Cleaning, Dentist(id)=2, Receptionist(id)=2, Patient(id)=18],
  [Id= 8, Date=2024-05-03, Duration(mins)=45, Room=2, Price=345.69, Treatment=Whitening, Dentist(id)=2, Receptionist(id)=6, Patient(id)=18],
  [Id= 15, Date=2023-03-04, Duration(mins)=60, Room=1, Price=1234.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=18]]
```

2.2.13. View a receptionist by id

By introducing the id of a receptionist, the system will show the detailed information of the required receptionist including his id, name, bank account, email and mobile.

```
Please, input the receptionist's id :
2
[Id=2, Name=miguel, Bank account=123456, Email=miguel@hotmail.com, Mobile=629454533]
```

2.2.14. View a receptionist by name

By introducing the name of a receptionist, the system will show the detailed information of the required receptionist including his id, name, bank account, email and mobile.

```
Please, input the receptionist's name:
miguel
[Id=2, Name=miguel, Bank account=123456, Email=miguel@hotmail.com, Mobile=629454533]
```

2.2.15. Update my data

To update the data of the current receptionist, the system will ask the receptionist again to introduce all the information that is associated to a receptionist:

```
Please, input the receptionist's data you want to update:
Name:
pablo lopez
Bank Account:
14875145
Email:
pablito@gmail.com
Mobile:
914645788
```

2.2.16. Delete my data

To delete the data of the current receptionist, he only must input option 16 and another login will be required.

2.2.17. View all receptionists

Option 17 will show all the receptionists that are currently working in the dental clinic with all their detailed information:

```
List of receptionists:
[
  [Id=2, Name=miguel, Bank account=123456, Email=miguel@hotmail.com, Mobile=629454533],
  [Id=6, Name=Alex, Bank account=12345, Email=Alex@Karev.com, Mobile=665814662],
  [Id=7, Name=Alex, Bank account=23456, Email=Alex@Prueba.com, Mobile=677777503]]
```

2.2.18. View all dentists

Option 18 will show all the dentists that are currently working in the dental clinic with all their detailed information including id, name, bank account, mobile and email of each of them.

```
List of dentists:
[
  [Id=1, Name=Jorge Gamo, Bank account=174512, Mobile=+(62)178451742, Email=jorge@clinic.com],
  [Id=2, Name=paula, Bank account=129847615, Mobile=91836244, Email=paula@clinic.com],
  [Id=3, Name=Cristina Sanchez, Bank account=12345, Mobile=662345728, Email=Cristina@Sanchez.com],
  [Id=4, Name=Cristina Perez, Bank account=123456789, Mobile=663812669, Email=Cristina@Yang.com]]
```

2.2.19. Update date of arrival of supplies

To update the date of arrival of a specific supply, the system will ask the receptionist to input the id of the supply he wants to modify and the new date of its arrival.

```
Please, input the order's id you want to change its date:
5
Please, input the new date :
Date (yyyy-MM-dd):
2023-05-13
```

If the updated date is the same one as the current date, the amount of supplies will be updated automatically.

This option will be used when the supplies have already arrived to the clinic.

2.2.20. View all orders ordered by date of arrival

The system will show the record of all the orders that have been ordered in the clinic and their information including the order id, item id, the id of the dentist that has ordered it, date of order and the supplier that is in charged of bringing it.

```
[Id=3, Supply(id)=2, Dentist(id)=3, Amount=10, Date=2023-05-05, Supplier(id)=1],
[Id=1, Supply(id)=1, Dentist(id)=3, Amount=100, Date=2023-05-07, Supplier(id)=1],
[Id=4, Supply(id)=8, Dentist(id)=4, Amount=2, Date=2023-05-15, Supplier(id)=4],
[Id=6, Supply(id)=12, Dentist(id)=4, Amount=50, Date=2023-05-15, Supplier(id)=7],
[Id=5, Supply(id)=11, Dentist(id)=4, Amount=10, Date=2023-07-18, Supplier(id)=7]]
```

2.2.21. View a specific order

To view a specific order, the system will ask the receptionist to introduce the id of the order he wants to see and the data of that order will be displayed including the order id, item id, the id of the dentist that has ordered it, amount, date of order and the supplier that is in charged of bringing it.

Please, input the order's id you want to see:

1

```
[Id=1, Supply(id)=1, Dentist(id)=3, Amount=100, Date=2023-05-07, Supplier(id)=1]
```

2.2.22. View all appointments from a dentist

To view all the appointments from a dentist, the system will ask the receptionist to introduce the id of the dentist he wants to see the appointments from and will display all his appointments with their information including id, date when the appointment will be made, its duration (in minutes), room, price, treatment to be made, the id of the dentist in charge of doing it, the id of the receptionist that registers it and the id of the patient that will be treated.

Please, select the dentist's id to see the appointments

2

```
[
  [Id= 1, Date=2023-03-04, Duration(mins)=30, Room=1, Price=293.98, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
  [Id= 2, Date=2023-06-06, Duration(mins)=60, Room=2, Price=298.83, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=2],
  [Id= 3, Date=2023-04-05, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
  [Id= 4, Date=2023-04-05, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
  [Id= 5, Date=2023-03-04, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=6, Patient(id)=1],
  [Id= 7, Date=2023-08-07, Duration(mins)=60, Room=1, Price=458.78, Treatment=Cleaning, Dentist(id)=2, Receptionist(id)=2, Patient(id)=18],
  [Id= 8, Date=2024-05-03, Duration(mins)=45, Room=2, Price=345.69, Treatment=Whitening, Dentist(id)=2, Receptionist(id)=6, Patient(id)=18],
  [Id= 9, Date=2024-02-03, Duration(mins)=60, Room=2, Price=678.0, Treatment=Tooth extractions, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1],
  [Id= 10, Date=2024-01-02, Duration(mins)=30, Room=2, Price=234.65, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=2],
  [Id= 11, Date=2023-03-04, Duration(mins)=45, Room=2, Price=982.0, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=1]]
```

2.2.23. Print data of patient in a XML file

To print the data of a patient in a XML file, the system asks the receptionist to introduce the id of the patient that he wants to print in the XML file:

Please, input the client's id you want to print in the XML file:
3

```
▼<Client patName="keko">  
  <pat_email>keko2003@gamil.com</pat_email>  
  <hum>1974641</hum>  
  <pat_address>calle ladera de los alemdros, 43</pat_address>  
</Client>
```

XML file of a patient

2.2.24. Print data of supplier in a XML file

To print the data of a supplier in a XML file, the system asks the receptionist to introduce the id of the supplier that he wants to print in the XML file:

Please, input the supplier's id you want to print in the XML file:
1

```
▼<Supplier supName="pedro">  
  <email>pedromanzano@gmail.com</email>  
  <sup_address>calle de las vacas, 9</sup_address>  
</Supplier>
```

XML file of a supplier

2.2.25. Load patient from XML file

To load a patient from an XML file, the receptionist must input option 25.

CLIENT DATA	
Name:	laura nooi
Email:	laura@gmail.com
Health number:	17414
Address:	calle de america

2.2.26. Load supplier from XML file

To load a supplier from an XML file, the receptionist must input option 26.

SUPPLIER DATA

Supplier:

Name: Pedro y Hermanos

Email: pedromanzano@gmail.com

Address: C/ de las vacas, 9

2.3. Dentist Menu

1. View all my appointments
2. View a patient by id
3. View a patient by name
4. Create supply
5. View a supply
6. Delete a supply
7. View all supplies ordered by amount
8. Order supplies
9. View an order
10. Delete an order
11. View all orders I have placed
12. Update my data
13. Delete my account
14. Change supplies used in one of my appointments
15. Exit
0. Back to main menu

2.3.1. View all my appointments

To view all the appointments from the user, the system will ask the dentist to introduce his id and will display all his appointments with their information including its id, date when the appointment will be made, its duration (in minutes), room, price, treatment to be made, the id of the dentist in charge of doing it, the id of the receptionist that registers it and the id of the patient that will be treated.

```
[Id= 12, Date=2024-02-01, Duration(mins)=30, Room=2, Price=1234.0, Treatment=Whitening, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],  
[Id= 13, Date=2023-08-07, Duration(mins)=60, Room=4, Price=345.0, Treatment=Braces, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],  
[Id= 14, Date=2025-08-07, Duration(mins)=30, Room=3, Price=1234.0, Treatment=Tooth extractions, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1],  
[Id= 15, Date=2023-03-04, Duration(mins)=60, Room=1, Price=1234.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=18],  
[Id= 16, Date=2023-03-04, Duration(mins)=12, Room=1, Price=123.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1]]
```

2.3.2. View a patient by id

By introducing the id of a patient, the dentist will see the detailed information of the required patient including his id, name, health number, address and email.

```
Please, input the client's id :
1
[Id=1, Name=laura nooij, Health number=17414, Address=calle de america, Email=laura@gmail.com]
```

2.3.3. View a patient by name

By introducing the name of a patient, the dentist will see the detailed information of the required patient including his id, name, health number, address and email.

```
Please, input the client's name:
laura nooij
[Id=1, Name=laura nooij, Health number=17414, Address=calle de america, Email=laura@gmail.com]
```

2.3.4. Create supply

To create a supply, the system asks the dentist to input the data of the new supply including its name and amount.

```
Please, input the supply's data:
Name:
glue
Amount:
996
```

2.3.5. View a supply

To view a supply, the system asks the dentist to input the id of the required supply and the system will display the item's id, name and amount.

```
Please, input the supply's id you want to see:
1
```

```
[Id=1, Name=anesthesia, Amount=678]
```

2.3.6. Delete a supply

To delete a supply, the system asks the dentist to input the id of the supply that he wants to remove.

```
Please, input the supply's id you want to delete:
12
```

2.3.7. View all supplies ordered by amount

To show all the supplies that the clinic owns , the system will display them in ascending order of amount with all their information including id, name of the supply and amount of it.

```
[Id=12, Name=Face masks, Amount=100],
[Id=11, Name=Rinsing cups, Amount=200],
[Id=10, Name=whitener, Amount=485],
[Id=8, Name=braces, Amount=496],
[Id=9, Name=tweezers, Amount=498],
[Id=3, Name=drill, Amount=499],
[Id=1, Name=anesthesia, Amount=678],
[Id=2, Name=cotton, Amount=903],
[Id=4, Name=toothpaste, Amount=976],
[Id=5, Name=flossh, Amount=988],
[Id=6, Name=glue, Amount=991],
[Id=7, Name=implant, Amount=1014]]
```

2.3.8. Order supplies

To order new supplies, the system will ask the dentist to input the id of the supply that he wants to order, the amount of it, the date of the order (the date when he wants the supplies to arrive) and the id of the supplier in charged of providing the order to the clinic.

```
Please, input the following data in order to place an order:
Please, input the supply's id you want to order:
12
Please, input the amount:
100
Date (yyyy-MM-dd):
2023-04-05
[
[Id=1, Name=Pedro y Hermanos, Address=C/ de las vacas, 9],
[Id=4, Name=Plastineon S.A, Address=Poligono Fuenlabrada],
[Id=6, Name=Owen, Address=C/ Nosesabe, 5],
[Id=7, Name=OwenHunt, Address=C/ Nosesabe, 5]]
Please, input the supplier's id you want to provide this item.
1
,
```

2.3.9. View an order

To view a specific order, the system will ask the dentist to introduce the id of the order he wants to see and the data of that order will be displayed including the order id, item id, amount, the id of the dentist that has ordered it, date of order and the supplier that is in charge of bringing it.

```
Please, input the order's id you want to see:
```

```
7
```

```
[Id=7, Supply(id)=12, Dentist(id)=3, Amount=100, Date=2023-04-05, Supplier(id)=1]
```

2.3.10. Delete an order

To delete an order, the system asks the dentist to input the id of the order that he wants to remove.

```
Please, input the order's id you want to delete:
```

```
6
```

2.3.11. View all orders I have placed

To view the record of orders the current dentist has placed, the system will display each of them with their order id, item id, amount, the id of the dentist that has ordered it, amount, date of order and the supplier that oversees bringing it.

```
[Id=1, Supply(id)=1, Dentist(id)=3, Amount=100, Date=2023-05-07, Supplier(id)=1],  
[Id=3, Supply(id)=2, Dentist(id)=3, Amount=10, Date=2023-05-05, Supplier(id)=1],  
[Id=7, Supply(id)=12, Dentist(id)=3, Amount=100, Date=2023-04-05, Supplier(id)=1]]
```

2.3.12. Update my data

To update the data of the current dentist, the system will ask the dentist again to introduce all the information that is associated to a dentist:

```
Please, input your data you want to update:
Name:
cristina
Bank Account:
5664464
Email:
cristinasanchez@clinic.com
Mobile:
666432433
It has been updated correctly
```

2.3.13. Delete my account

To delete the data of the current dentist, he only must input option 13 and another login will be required.

2.3.14. Change supplies used in one of my appointments

To change the supplies used in a specific appointment of the current dentist, the system will display the record of his appointments for him to choose which one he wants to change. Then, the system will display the record of the supplies he used in that appointment for him to choose which one he wants to change. When that supply is changed, the stock of supplies will update automatically.

```
[Id= 12, Date=2024-02-01, Duration(mins)=30, Room=2, Price=1234.0, Treatment=Whitening, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],
[Id= 13, Date=2023-08-07, Duration(mins)=60, Room=4, Price=345.0, Treatment=Braces, Dentist(id)=3, Receptionist(id)=7, Patient(id)=2],
[Id= 14, Date=2025-08-07, Duration(mins)=30, Room=3, Price=1234.0, Treatment=Tooth extractions, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1],
[Id= 15, Date=2023-03-04, Duration(mins)=60, Room=1, Price=1234.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=18],
[Id= 16, Date=2023-03-04, Duration(mins)=12, Room=1, Price=123.0, Treatment=Implants, Dentist(id)=3, Receptionist(id)=7, Patient(id)=1]]

These are your appointments. Select the appointment's id for which you want to update the supplies used
16
[
[Id=44, Supply(id)=4, Appointment(id)=16, Amount=10],
[Id=45, Supply(id)=4, Appointment(id)=16, Amount=10]]
These are all the used supplies for this appointment. Which one do you want to update? Select the id
44
Write the real amount that was used
5
```

2.4. Supplier Menu

1. View all my delivery notes
2. View one of my delivery notes
3. Update delivery date
4. Update my data
5. Delete my account
6. Exit
0. Back to main menu

2.4.1. View all my delivery notes

To show all the delivery notes from the supplier, the system will display all the orders he has to deliver with their information including the id of the order, id of the supply, id of the dentist that ordered it, amount, date of order and his own id.

```
[Id=5, Supply(id)=11, Dentist(id)=4, Amount=10, Date=2023-07-18, Supplier(id)=7],  
[Id=6, Supply(id)=12, Dentist(id)=4, Amount=50, Date=2023-05-15, Supplier(id)=7]]
```

2.4.2. View one of my delivery notes

To show a specific delivery note from the supplier, the system will ask him to input the id of the order he wants to see and then it will display the id of the order, id of the supply, id of the dentist that ordered it, amount, date of order and his own id.

```
Please, input the order's id you want to see:  
5  
[Id=5, Supply(id)=11, Dentist(id)=4, Amount=10, Date=2023-07-18, Supplier(id)=7]
```

2.4.3. Update delivery date

To update the delivery date of a specific order, the system will ask the supplier to input the id of the order he wants to modify and the new date of its delivery.

The supplier will use this option when he is expecting the supplies to come earlier or later than thought.

```
Please, input the order's id you want to change its date:  
4  
Please, input the new date :  
Date (yyyy-MM-dd):  
2023-05-13
```

2.4.4. Update my data

To update the data of the current supplier, the system will ask the supplier again to introduce all the information that is associated to a supplier:

```
Please, input your data you want to update:
Name:
plastineon
Address:
poligono fuenlabrada
Email:
plastineon@gmail.com
```

2.4.5. Delete my account

To delete the account of the current supplier, he only must input option 5 and another login will be required.

2.5. Patient Menu

1. Update my data
2. Delete my account
3. View all my appointments
4. View my data
5. Exit
0. Back to main menu

2.5.1. Update my data

To update the data of the current patient, the system will ask the patient again to introduce all the information that is associated to a patient, his name, health number, email and address.

```
Name:
ada
Health Number:
45633
Email:
adaprieto03@gmail.com
Address:
calle isla menorca
```


2.5.2. Delete my account

To delete the account of the current patient, he only must input option 2 and another login will be required.

2.5.3. View all my appointments

To show all the appointments of the current patient, the system will display all his appointments with their information including id, date when the appointment will be made, its duration (in minutes), room, price, treatment to be made, the id of the dentist in charge of doing it, the id of the receptionist that registers it and the id of the current patient.

```
[Id= 4, Date=2023-04-05, Duration(mins)=60, Room=4, Price=1200.0, Treatment=Implants, Dentist(id)=2, Receptionist(id)=2, Patient(id)=3],  
[Id= 11, Date=2023-03-04, Duration(mins)=45, Room=2, Price=982.0, Treatment=Braces, Dentist(id)=2, Receptionist(id)=2, Patient(id)=3]]
```

2.5.4. View my data

To show the data of the current patient, the user only must input option 4.

```
[Id=3, Name=keko, Health number=1974641, Address=calle ladera de los alemndros, 43, Email=keko2003@gamil.com]
```

3. Incorrect inputs

3.1. Do login before register

If a user tries to login before doing a register of his data, the system will not recognize him as a user of the application so it will reject him.

```
Username:  
marina  
Password:  
394739  
Wrong username/password combination.  
Username:
```

3.2. Non-existent id

If a user tries to introduce an id that does not correspond to any of the ids of the thing he is searching for, the system will tell him that the id he has introduced is wrong and will return to the menu.

```
Please, input the client's id :
25
Exceptions.IdNotFoundException: The specified id does not correspond to any of the idsof the clients
null
1. View all my appointments
2. View a patient by id
3. View a patient by name
4. Create supply
5. View a supply
6. Delete a supply
7. View all supplies ordered by amount
8. Order supplies
9. View an order
10. Delete an order
11. View all orders I have placed
12. Update my data
13. Delete my account
14. Change supplies used in one of my appointments
15. Exit
0. Back to main menu
```

For instance, if a dentist wants to view a patient by id (with option 2) and he introduces an id that is not associated with any of the patients, the system will get him back to the dentist menu.

3.3. Non-existent name

If a user tries to introduce a name that does not correspond to any of the names of the person he is searching for, the system will tell him that the name he has introduced is wrong and will return to the menu.

```
Please, input the client's name:
mario
Exceptions.NameNotFoundException: The specified name does not correspond to any of the namesof the clients
null
1. View all my appointments
2. View a patient by id
3. View a patient by name
4. Create supply
5. View a supply
6. Delete a supply
7. View all supplies ordered by amount
8. Order supplies
9. View an order
10. Delete an order
11. View all orders I have placed
12. Update my data
13. Delete my account
14. Change supplies used in one of my appointments
15. Exit
0. Back to main menu
```

For instance, if a dentist wants to view a patient by name (with option 3) and he introduces a name that is not associated with any of the patients, the system will get him back to the dentist menu.