***AWBD – Project documentation***

***Dental clinics management***

1. **ERD diagram for relational database**

***Diagram

Description automatically generated*** Diagram

Description automatically generated

1. **Main features**
   1. **Clinic management**

*Business requirements:*

* Create a clinic:

Creating a clinic with the same name as an already existing clinic should not be allowed.

* Get information about a specific clinic based on ID
* Get information about all clinics
* Delete a specific clinic based on ID:

All assigned doctors will be deleted.

* 1. **Doctor management**

*Business requirements:*

* Create a doctor:

When creating a doctor, a clinic ID could be provided in order to assign him to a specific clinic (previously created).

Specialty allowed values: ENDODONTIST, ORTHODONTIST, PERIODONTIST, SURGEON

* Get information about a specific doctor based on ID
* Get information about all doctors:

Must support filtering for specialty.

* Delete a specific doctor based on ID:

All assigned appointments will be deleted

* 1. **Patient management**

*Business requirements:*

* Create a patient:

Phone number must match one of the following formats: ###-###-####,

(###) ###-####, ### ### ####, ###.###.####

* Get information about a specific patient based on ID
* Get information about all patients
* Delete a specific patient based on ID:

All assigned appointments will be deleted

* Get upcoming appointments for a specific patient based on ID
  1. **Appointment management**

*Business requirements:*

* Create an appointment:

A doctor ID and a patient ID must be provided. Overlapping appointments for a doctor/patient should not be allowed.

* Get information about a specific appointment based on ID
* Get information about all appointments:

Must support filtering on doctor ID/patient ID

* Delete a specific appointment based on ID:

If it exists, the corresponding prescription will be deleted

* 1. **Prescription management**

*Business requirements:*

* Create a prescription:

An appointment ID must be provided.

* Get information about all prescriptions

**Medication management**

*Business requirements:*

* Create a medication
* Get information about all medications. Must support filtering for brand.