INTENTIONS OF THE SYSTEM

The intentions of the Vilaboa Dental Clinic Database are the following:

o Patient management: the database aims to effectively manage patient information and treatment plans. It allows the tracking of appointments and updating patient information as necessary, all while respecting their privacy.

o Appointment scheduling and management: A receptionist is capable of scheduling appointments for patients without the need of interfering with a dentist.

o Registration: The system requires a registration process for all the users. Receptionists are authorised to register patients if these are unable to.

o Staff management: The database stores information about dentists and receptionists. It includes details such as contact information (email, mobile, address), assigned responsibilities, etc.

o Supply management: the database manages the inventory of dental supplies and materials and is always up to date with the exact number of available supplies for each appointment. It records information such as stock levels and suppliers. This helps with ensuring sufficient stock availability and minimizing wastage.

o Ordering supplies: it streamlines the process of ordering new supplies as well as confirming and registering their delivery.

o Data security: the database enforces strong user authentication protocols to verify the identity of users accessing the system. These involve the need for usernames and passwords for login. It also ensures that users can only access the data and perform actions that are relevant and strictly needed to perform their role, reducing the risk of unauthorised access to personal information.

o Enhanced collaboration and communication between staff: A dentist orders supplies and a receptionist confirms their delivery. A receptionist can book an appointment and the dentist can perform the scheduled treatment. In other words, registered staff users can promote teamwork and a more efficient use of resources.

o Efficient information retrieval: Based on various criteria the system can quickly obtain specific information, saving time and effort of the staff.

LIST OF FEATURES

All these intentions can be summarized in the following list of features that the system has.

- o   User management
- o   Patient management
- o   Staff management (dentists and receptionists)
- o   Supplier management
- o   Efficient appointment scheduling
- o   Inventory management (order and provide of supplies)
- o   Data security and privacy