Product Evaluation:

Evaluation was done according to the success criteria[1]. The Final Client Interview can be found in Appendix

Success Criteria	Status
A user-friendly and client-catered GUI	Achieved: GUI addresses the clients requests and goes in line with the preliminary design. All of the GUI components enable pleasant user experience. Navigation across jPanels was successful. Client comment: Loved the color scheme and the logo!
A secure login page for user authentication and modification of the login credentials	Achieved: Client is able to securely log in and log out, maintaining patient confidentiality. Access to the databases is secure. Furthermore, a OTP system allows for a secure login credentials altercations.
Patient management: Insert, Update and Delete of user profiles	Achieved: The client is able to create patient portfolios

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[1] Appendix 2 - Final Client Interview

	within the database. Information that was requested can now be stored and accessed from the database securely.
User is able to access individual patient profiles along with supporting material (Dental Scan, upcoming appointments and past invoices)	Achieved: The user is able to access individual patient profiles where all the available information is stored along with other data within the programme (upcoming appointments, past invoices and dental scan) Client comment: Now I have more versatility when it comes to individual user profiles and am able to manage specific users more efficiently
The user is able to search through the appropriate database using identification numbers.	Achieved: All jTables have a search function that allows the user to enter the User ID in order to match data to a specified patient. Client comment: The navigability of the programme allows to easily find the User ID of the patients and search accordingly. Very useful!

The user is able to print user profiles along with the option of saving as a PDF	Achieved: The user can select patient profiles which prompt the showing of a jFrame containing user information. This information can then be printed. Client comment: I can now also have a parallel record of patients in a very efficient way. Amazing!
The user is able to create invoices and add any specific cases automatically which are then saved in the database.	Achieved: Invoices are automatically created through a template, allowing the user to efficiently manage invoices. Invoices are also stored within the database and can be printed as PDFs
The user is able to print invoices directly or from within the database.	Achieved: The invoice manager system has a function of printing the invoice upon creation. Alternatively, the user can access the invoice database to check past invoices and also have the option to print them. Client comment: Finally I have a sorted invoice manager which

	will help me financially manage the clinic. Very good!
The user is able to schedule appointments with specific parameters (Doctor, Date, Chair, Time Slot)	Achieved: Appointments are easily managed, and the user has the ability to choose the parameters of the appointment effectively. Appointments that are past current time are automatically deleted and live appointments are ordered chronologically.
The user is able to schedule non-clashing appointments and cancel them.	Achieved: In order to maintain efficiency, the programme automatically warns users of clashing appointments, and does not allow the scheduling of the appointment.
The user is able to print a date specific table from the appointment table.	Achieved: Client can use the inbuilt feature of printing a timetable for a specific date (PDF option is also available)
The user is able to send reminder emails about the scheduled appointments.	Achieved: The program automatically fetches the email ID from within the patient database, and is

	able to send reminder emails directly to the user, including all the appointment data

Future recommendations:

1. ***Online platform:*** Since the Database is locally stored, it limits the functionalities only one user at a time. Implementing an online database would allow for simultaneous multi-user access to the programme, which would increase the efficiency.

2. ***Smartphone software:*** Designing and implementing a smartphone application would increase the practicality of the programme, especially if combined with an online platform.

3. ***Invoice report:*** The programme could possibly create invoice reports at the end of each month, summarizing information such as most frequent customer, most frequent procedures along with the most efficient doctor. This would allow for increased financial management of the clinic.

4. ***Automatic appointment reminder system:*** An online implementation system would allow for automatic reminders of appointments which could directly be sent to the patients through email. This would further automate the clinic management.

5. ***Patient access to the programme:*** Having an online based platform could further be extended by having patient profiles in the application where the patients can access their individual information, invoices but also check and schedule upcoming appointments.

6. ***Security of information:*** Aforementioned extensions have undesired consequences since an online database system would make it vulnerable to data and identity theft. Hence, such an application, web-based or mobile should take advantage of hashing algorithms and encryption in order to ensure data security.