**Requirements Gathering Document**

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| **Module Name** | Dental clinic |
| **Date** | 1/11/2021 |
| **Version** | 1.0 |

**Requirements (Sample Data are in the table)**

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| **ID** | **Requirements** | **Date** | **Related features** | **Related stakeholders** | **Type (Functional / Non-Functional)** |
| **1** | Registration | 1/11/2021 | * Implement all information * Validated data to make sure there is not an existing user with those credentials * If there is an existing user, then the user is asked to enter new username * If there is no conflict, the user is registered and are sent email to verify registration | * The patient | Functional |
| **2** | login | 1/11/2021 | * Allows registered to login to the site to access all the features * If they type the username and password and click "Submit", the users' data is validated and if it is correct, they are logged in * If they are incorrect, they get an error message * If user forgotten their password, they click (forgot password) then send a new password to phone patient. | * The patient * doctor * the doctor's assistant * Receptionist | Functional |
| **3** | Book an appointment | 1/11/2021 | * implement a menu to determine the kind of session (examination, re-examination ( * implement a menu which show the available dates and the patient choose one of this. * Record the date selected by the patient in a data file with his name * Make this date reserved * Implement a button to cancel the appointment or choose new appointment * Implement a button to confirm the date of reservation, pay and print bill | * The patient | Functional |
| **4** | Contact us | 1/11/2021 | * Implement Button in patient page to show the numbers of clinic. * When clicking it show list of numbers of clinic and clinic location and times of work | * The patient | Functional |
| **5** | Complain | 1/11/2021 | * Implement a text field in patient page to complain * Patient can write his complain and confirm it * This complain(text) move to complains list in data base and doctor can see it later. * This function allows the doctor to review complains that patients send | * The patient * The doctor | functional |
| **6** | Report  (Statement of patient) | 1/11/2021 | * Implement button to show patient statement report * When patient click it, show patient statement report from data base. * The doctor's assistant writes a report on the patient's session and uploads it to data base * The doctor writes a report about patient statement after each session | * The patient * The doctor's assistant * The doctor | Functional |
| **7** | Feedback | 1/11/2021 | * An icon appears with “feedback” written on it; the user presses it to transfer him to another page in which he writes his feedback * This function allows the receptionist to review feedback that patients send | * The Patient * The receptionist | Functional |
| **8** | Editing of appointments | 1/11/2021 | * Implement a button through it which the doctor can change his appointments on any day he chooses. * When click it, show him a date page to select the day and edit his time work. * Then the system edits it in data base. * This function allows the receptionist to editing appointment the doctor | * The doctor * The receptionist | Functional |
| **9** | Available materials | 1/11/2021 | * Input the amount of new material * An icon appears with the word "Delete”; the doctor’s assistant presses on it to transfer the materials used in the session * When the material is almost finished, remind the doctor to buy new materials. * An icon appears with the word "Add", the doctor clicks on it to add the new tools and materials. * Implement button to show available material | * the doctor's assistant * The doctor | Functional |
| **10** | Session type | 1/11/2021 | * An icon appears with the word "session type", the doctor clicks on it to choose the session for the patient and determine what happen in the session | * the doctor's assistant | Functional |
| **11** | Calculate profits | 1/11/2021 | * Input incoming from each session * Input coast of each bill, receipt, and check * Calculate the revenues by collecting prices of each session * Calculate expenses by collecting coast of each bill, receipt, and check * Calculate the profit by subtract expenses from revenues * If profit value is negative system will notify there are losing * Printing a report with the details of expenses or revenues | * Receptionist * Doctor | Functional |
| **12** | Confirmation | 1/11/2021 | * The system sends a message to the patient to confirm his appointment and remind him in case he forgot the time of session. * In case the appointment canceled by the doctor for any reason system will send a message to the patient to tell him that and make him choose another one. | * The patient | Non-functional |
| **13** | Maximum number of patients per day is 20 | 1/11/2021 | * Detection time is no more than 20 minutes. * The number of working hours per day shall not be less than 7 hours. | * System Administrator. | Non-Functional |
| **14** | The system must shut down at 10pm | 1/11/2021 | * The last time to book should be at 9.5 pm. * The doctor and reception must be notified when the system will be closed. | * System Administrator. * Doctor. * Receptionist. | Non-Functional |