



USER MANUAL

Group 3E – Doctors Program

Harry Hacker, Jamie White, Tiberius Paharnicu & William Grice

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USER MANUAL

AUTHENTICATION AND AUTHORISATION FUNCTIONALITY

This section of the document handles the functionality of the program that is directed at security of the program and of the data. As this data is private and should be kept secure, it is therefore necessary to have functionality in place to achieve this. Thus, each doctor has a username and password as well as detailed logs are kept.

USERNAME & PASSWORD:

This feature was created to ensure the security of the program as well as the data that is available to doctors is kept private. This feature is a login page that the user must pass in order to access any information or functions of the program, where each doctor has a unique username & password provided to them by IT / People managing the database. This is to ensure each doctor has the standard form for a username to easily be remembered and retrieved if needed as well as a secure password made up by the IT department, so passwords are more difficult to reproduce by someone guessing random passwords such as "password123". Without a username or password, data can't be accessed through the program as well as changed to include something else.

If you enter your username or password incorrectly, an error message will be shown telling you that either the username or password is incorrect. Therefore, indicating an error has been made and needs to be corrected before access to the program's functions.

LOGS:

The logs function isn't a feature that a doctor directly sees. Instead, it runs in the background as the doctor uses the program. This creates a step by step of what each user does on the system and holds each user accountable for any breaches. With this, if a user edits a patient's file when it was not necessary then the IT team knows who did what to the file. Instead of having no information as to why data was changed / accessed.

For example, a doctor logs into the program and decides to click on a button leading to edit a file they have yet to choose. That button click is registered in the logs saying "User" "Edit page". If the user then decides to edit a file and clicks "Save"/"Done" then that again is registered in the logs table saying that the "User" "Edited File".

FUNCTIONALITY FOR DOCTOR:

This section of the manual is directed at the functionality each doctor that is logged in has when using the program.

ENTER MONTH AND YEAR TO VIEW BOOKINGS:

This feature serves as a quick way to check a doctor's bookings on a specific month and year. This would be useful if a booking needs to be referenced, changed, or even reviewed for a new appointment. If there is an incorrect format that the user has used, or the year was placed in the month and month in the year. An error message is shown to the user to correct it.

An example as to how to use this function is as follows: entering "03" in the months section and "2021" in the years section will return all the appointments that a doctor has had for that month in that year e.g: 01/03/2021 to 31/03/2021.

VIEW PATIENTS' SUMMARY INFORMATION:

This feature serves to view the doctor's assigned patients, this also has the patient's summary information which includes patient ID, name, surname, address, phone number, etc. All information that a doctor may need to get in touch or require about a patient.

There is no input that a doctor must enter to retrieve this information. The program does all of this itself and bases the results on the doctor currently logged in. Thus meaning, another doctor's patients wouldn't show up for the current doctor logged into the program.

ENTER APPOINTMENT DETAILS & PRESCRIPTIONS ABOUT A PAST BOOKING & CONFIRMATION MESSAGE:

This feature allows the doctor to create a new record of an appointment that includes the visit details and any prescriptions given to the patient at an appointment. After this has been filled out a message is then created and sent to both the doctor that created the record and the patient that attended the appointment.

The information that must be entered is the notes and the prescription. A prescription may not be necessary but could be filled out. For example, "12" for the id of the appointment, "coughing, high temperature" and prescription may be nothing, but could also be "Time off & flu medicine".

VIEW VISIT DETAILS & PRESCRIPTIONS OF A PAST BOOKING WHERE VISIT DETAILS AND PRESCRIPTIONS WERE ENTERED:

This feature allows a doctor to view an old appointment that they had, to see the visit details and prescriptions of a previous booking all together as a list. This is so a doctor can check if he would like to change any details / information using a different feature available to them. (The next feature in this user manual.)

This feature is done automatically by the program and requires no input from the user. The program sorts this information by the doctor currently logged in.

EDIT VISIT DETAILS & PRESCRIPTIONS REGARDING A PAST BOOKING + CONFIRMATION MESSAGE:

This feature allows a doctor to look up a past booking and change information written down for that appointment. When the doctor then submits the altered appointment, a message is sent to both the doctor and patient that appointment is assigned with.

The information that is required here is the appointment id, the new notes & the new prescription. It is possible some of these fields to be empty, thus if no information needs to be added to notes or prescription then just include what was already there.

ASSIGNING A NEW DOCTOR TO A PATIENT & CONFIRMATION MESSAGE:

The final function to talk about is assigning a new doctor to a patient. This feature will take a patient's ID followed by a Doctor's username and change the patient's scheduled doctor to the newly entered doctor.

For example, in the patient's field you would enter their id "jjac01" and in the doctor's username field you would enter their ID "hhac01". The system would then replace the doctor assigned from the person currently logged (assumingly) to "hhac01".