[DOCTOR BASIC SCENARIO]

1. Log in
2. Visualize his personal doctor profile
3. Visualize patients chats 🡪 answer/send to the patient messages
4. Visualize the list of patients along with the last visit – view history
5. Visualize the list of visits of the day
6. Add new patient’s profile 🡪 quindi è necessario riempire tutti i dati del paziente
7. Visualizes patients' profiles (se già ne esiste uno)
8. Visualize la storia clinica recente e passata del paziente (il fascicolo sanitario)
9. Visualizza i dati relativi al controllo a distanza (se presente)
10. Book a visit for a patient -
11. Book an exam for a patient -
12. Manage patients’ prescriptions / therapy
13. During a visit, the doctor can insert the measured parameters (hereafter named as “in hospital” parameters), add notes, and, if needed, book a follow-up visit
14. Set thresholds for all the parameters to identify abnormalities (even the one inserted at-home)
15. The doctor decides to receive or not notifications about the results or trend of some parameters/exams
16. The doctor sends an e-mail to the patient
17. Visualize diagrams and statistics regarding the temporal trend of the inserted parameters, in a selected time window, for a specific subject and, for comparison and research purposes, across the entire list of patients (specifichiamo tutte le azioni possibili e poi le mettiamo riassunte in una sull’use case diagram? Si). Può:
    * + Scegliere la finestra temporale
        - dal giorno x a y,
        - durante le notti,
        - nei giorni in cui un determinato parametro ha superato una soglia vedi l’andamento di un altro parametro
      + Sovrappone il grafico del paziente ai grafici dei con pazienti che presentano la stessa patologia
      + Sovrappone il grafico del paziente ai grafici dei con pazienti che assumono lo stesso farmaco
      + Compararla con pazienti della stessa fascia di età del paziente ma privi della patologia
      + Fa la media dei grafici/valori degli altri pazienti con cui vuoi paragonarlo e li sovrappone graficandoli
      + Paragonarla con tutte le possibili combinazioni
      + Salvare tutti i grafici riportati su un pdf e scaricarlo
18. Count how many times a certain parameter was labeled as abnormal <(second. actor: system)> (incl. 10)

[DOCTOR ALTERNATIVE SCENARIO]

1a: The doctor forgets his password

The technical creates a new one for him

Back to step 2

4a: The doctor can delete all visits of the day due to an emergency

The nurse reschedules the visits

Back to step 5

6a: There isn’t the possibility to book a visit maybe because there’s no place or due to a software

problem

The patient will book it later

Back to step 7

13a: The doctor calls the patient because some exams’ results are very bad

The patient comes back to hospital or takes a new appointment with the doctor

Back to step 14

15a: Non ci sono dati sufficienti per graficare/ fare il contronto

* Cambia i parametri
* Torna indietro al profilo del paziente

[PATIENT BASIC SCENARIO]

1. Log in
2. Manage their profile and booked visits
3. Visualize booked exams and visualize information about them (if he needs a specific preparation or if he has to stop a drug to do it, maybe also a general description of them, the price, the place etc..)
4. Insert or upload parameters (hereafter named as “at-home” parameters) that were measured at home. Let’s assume these parameters are collected through wearables, medical devices or mobile apps. Some of them are manually inserted into the system, while others (data streams and temporal trends) are uploaded into it through formatted files
5. Visualize a set of statistics and diagrams regarding the temporal trend of his/her inserted parameters in chosen time frames
6. Fill in clinical questionnaires
7. Send/receive communication to the doctor
8. Visualize his/her prescriptions and exams’ reports
9. Visualize a key to download the documents related to his/her diagnostic exams (ECG ecc.)
10. Visualize a list of emergency phone numbers and other contacts related to the hospital (the different locations of the hospital)
11. Visualize and set up a reminder about the dosage and the type of the medicines he/she is taking daily.

[ALTERNATIVE PATIENT SCENARIO]

1a: The patient forgets its password

The technical creates a new one

Back step 2

4a: The patient isn’t able to insert the parameters

The nurse inserts them

[TECHNICAL ADMINISTRATOR BASIC SCENARIO]

1• Log in

2• Visualize their profile

3• Add/Modify/Delete a user among the three categories. For simplicity, the

password is decided by the technical administrator for all the users, but you

might decide to release this constraint as well … forse è meglio separare le varie azioni

4• Visualize a set of statistics regarding the number of users and the number of

logins per day. You might also include other system performance metrics, like

access time, query execution time, user session duration and so on.

5• Create and update risk evaluation models, based on the latest indications

from the literature.

6• Insert the reference therosholds of exams’ parameters

[TECHNICAL ALTERNATIVE SCENARIO]

3a: The technical forgets to add a new patient

The doctor adds it during the first visit

Back to step 4

6a: There isn’t some reference parametrs

Technical doesn’t insert them

[NURSE/GENERAL OPERATOR BASIC SCENARIO]:

1• Log in

2• Visualize their profile

3• Visualize the list of visits of the day

4• Visualize a list of paid/unpaid tickets for each patient

5• Visualize/Modify the visits of the day

6• Reschedule the visits

7• Add new patient’s profile

8• Visualizes patients' profiles (will include all patient related use cases)

9• Book a visit for a patient --

10• Book an exam for a patient --

11• Visualize patients’ prescriptions / therapy

12• Insert or upload parameters

13• Visualize notifications about the results or trend of some parameters/exams

14• Send an e-mail to the patient

15• Visualize diagrams and statistics regarding the temporal trend of the inserted

parameters, in a selected time window, for a specific subject and, for

comparison and research purposes, across the entire list of patients