**Use case**

Check-up

**Scope**

The scope of this use case is the in person presentation of the patient to the doctor

**Description**

This use case describes the medical appointment to investigate what is ailing the patient

**Flow Description**

***Precondition***

Having set up an appointment through the receptionist

**Activation**

Use case starts when the patient enters the doctors private medical appointment room

***Main flow***

1. The patient identifies her/himself by name and date of birth
2. The doctor opens with enquiring what the patient is suffering from today
3. The patient explains each ailment she/he is suffering from
4. The doctor listens and asks probing questions to get a better understanding of the ailment
5. Based on the answers from the patient the doctor responds with advice, prescription, referral (to a consultant or hospital)
6. Patient thanks doctor and is invited to return to reception for payment
7. Receptionist prints off a physical receipt
8. Patient pays
9. Receptionist marks receipt as Paid

***Alternate flow***

A1 Examination

1. Due to answers to questions from the doctor, the doctor judges a physical examination is required in the appointment room
2. Patient moves to bench
3. Doctor examines
4. Doctor ask further questions during physical examination
5. Patient returns to normal seating
6. Rejoins main flow at point 6

A1 Collapse of patient

1. The patient collapses while waiting to be seen by the doctor
2. An Ambulance is called
3. Patient is taken to Accident and Emergency dept of nearest hospital

A2 Payment problem card

1. Patients card is declined
2. Patient pays with cash

A3 Payment problem no funds

1. Patient has insufficient funds to pay for the appointment
2. Receptionist issues an invoice marked unpaid
3. Arrangements are made for when payment will be completed

***Exceptional flow***

E.1 Death in reception

a. Patient dies without notice in reception area

E.2 Death in Doctor’s appointment room

a. Patient dies without notice in Doctor’s appointment room

***Termination***

Patient leaves the GP surgery

***Post condition***

The system goes into a wait state