***Appointment Use Case***

***1. Brief Description***

This use case enables the patient to book or schedule an online appointment with a doctor of his choice.

***2. Actors***

2.1 Patient

2.2 Receptionist

***3. Preconditions***

The hospital’s database consisting of the doctor’s availability and schedules should be up to date.

***4. Basic Flow of Events***

1. The use case begins when the patient registers himself into the hospital system.

2. His details are stored into the database.

3. The patient chooses to book and appointment online.

4. The patient selects a doctor of his choice.

5. The patient then selects a date and time of his choice.

6. The cost of the session is displayed.

7. An appointment is booked.

8. The database is updated.

9. The use case ends successfully.

***5. Alternative Flows***

5.1 In step 1, if there are any errors while registering, then

1. The error is made known and the patient is required to re-register.

2. The use case resumes at step 1.

5.2 In step 3, if the patient doesn’t want to book an online appointment, then

1. The contact details of the receptionist is displayed.

2. The use case ends.

5.3 In step 4, if the doctor of his choice is not available, then

1. The patient may select another doctor.

2. The use case resumes at step 4.

5.4 In step 4, if the doctor of his choice is not available, then

1. The patient may opt out from the appointment process.

2. The use case ends.

5.5 In step 5, if the suggested date or time is not suitable for the patient, then

1. The patient selects another date or time.

2. The use case resumes at step 5.

5.6 In step 6, if the patient doesn’t agree with cost of the appointment, then

1. The patient may opt out from the appointment process.

2. The use case ends.

***6 Post-conditions***

6.1 Successful Completion

An appointment has been successfully booked by the patient.