Software Requirement Specifications

Introduction

Aim of the document

This document provides a general overview of the Doctor House application describing the collected requirements and comparing it with the already existing systems.

Overview of the defined system

Doctor House application offers the possibility to request medical prescriptions and receive the response on the application.
Doctor House application allows patients and doctors to send requests to reschedule already scheduled appointments. The recipient of the request can accept or reject the request.

HW and SW requirements

Doctor House application can run on Windows, Mac/OS, and Unix-like operating system.

Related systems

Doctolib (link: Doctolib)

Pro:
- DoctorHouse is less resource-intensive than Doctolib;
- DoctorHouse provides a more minimal user interface that makes the application easier to use and more intuitive

Contro:
- With Doctolib doctors can pass their appointments to colleagues if they cannot attend the appointment while with DoctorHouse they can only reschedule the appointment
- They offer healthcare booking services in pharmacies, a feature that may be desired among users of our platform.

User Stories

Emanuele Gentili

1. As a Doctor, I want to send a prescription to a patient if they are eligible[1], so that I can reduce the queue in the study.
2. As a Patient, I want to receive the prescription I requested on the application, so that I can avoid going there physically.
3. As a Patient, I want to send a request for a prescription to my family doctor, so that I can avoid going there physically.

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1. As a patient, I want to cancel an incoming appointment, so I can inform the doctor of a sudden change in my schedule.
2. 2. As a doctor, I want to specify which time slots of the day are eligible[2] to be booked for a visit by a patient, so that I can reserve some time of the day for other work related matters.
3. As a patient, I want to send a request to rearrange an incoming appointment, so I can inform the doctor of a sudden change in my schedule.
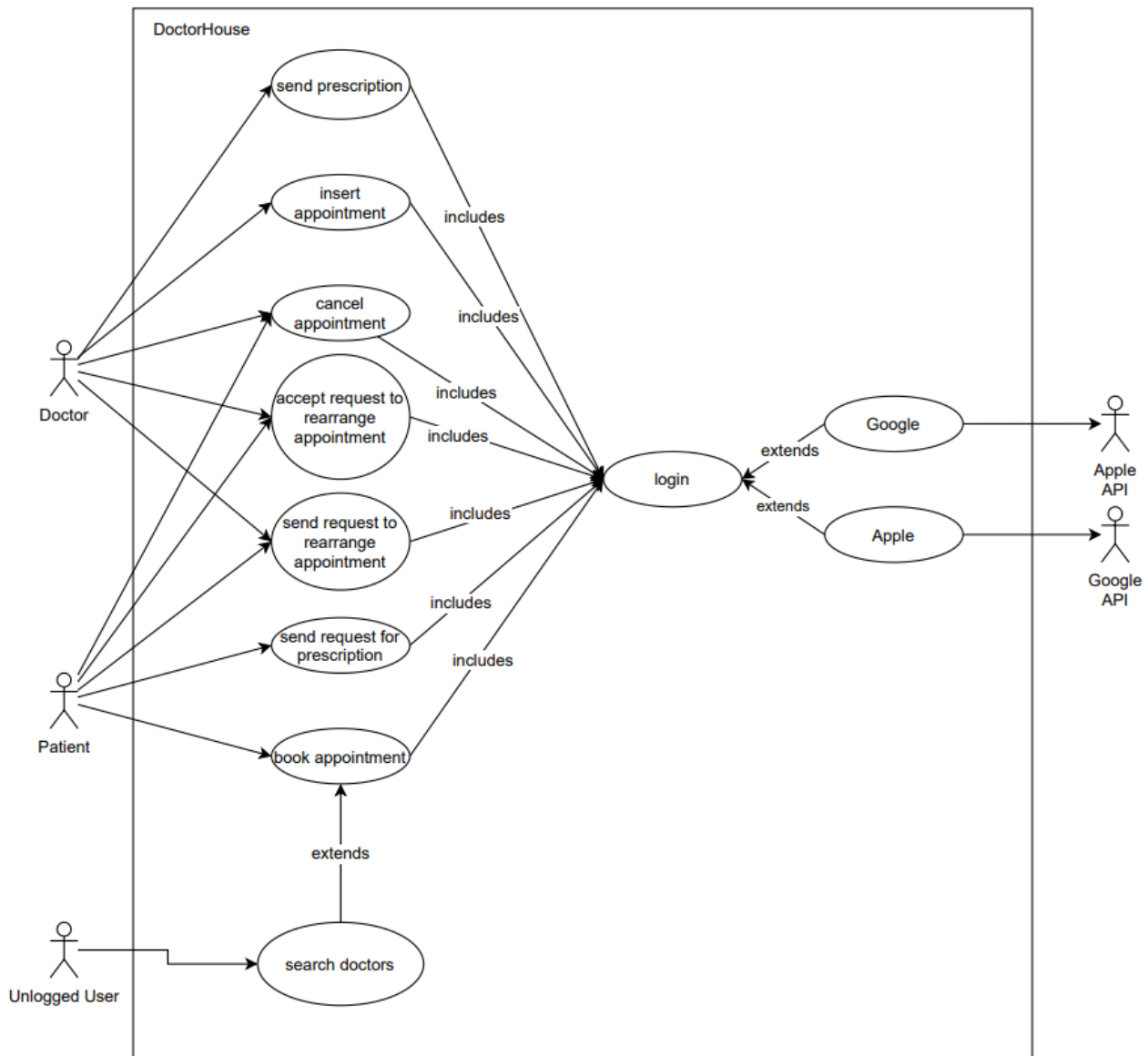
Functional Requirements

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1. The system shall provide the patient a form to send a request for a prescription to their family doctor.
2. The system shall provide the doctor a form to either accept and send a patient's prescription request or deny the patient's prescription request and send a motivation with the reason for the rejection.
3. The system shall show the doctor the list of the requests sent by their patient.

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1. The system shall display the appointments[3] of the current day and week.
2. The system shall display which time slots of a certain day can be booked by a patient - a time slot can be booked if it has not already been reserved by another patient and it is during the working hours of the doctor.
3. The system shall notify a patient if the doctor canceled their appointment

Use Cases: Overview Diagram

Glossary

1. Eligible : The doctor knows the health state of the patient and can decide if they can or not take a drug, if they need a visit or not or if is better that the patient go to the doctor's study.
2. Eligible: The time slot is not already reserved for another appointment and is during the working hours of the doctor.
3. The information of the appointment displayed are the patient's name and last name, doctor's name and last name, date and time of the appointment, type of visit performed by the doctor, office country, province, city and address.