

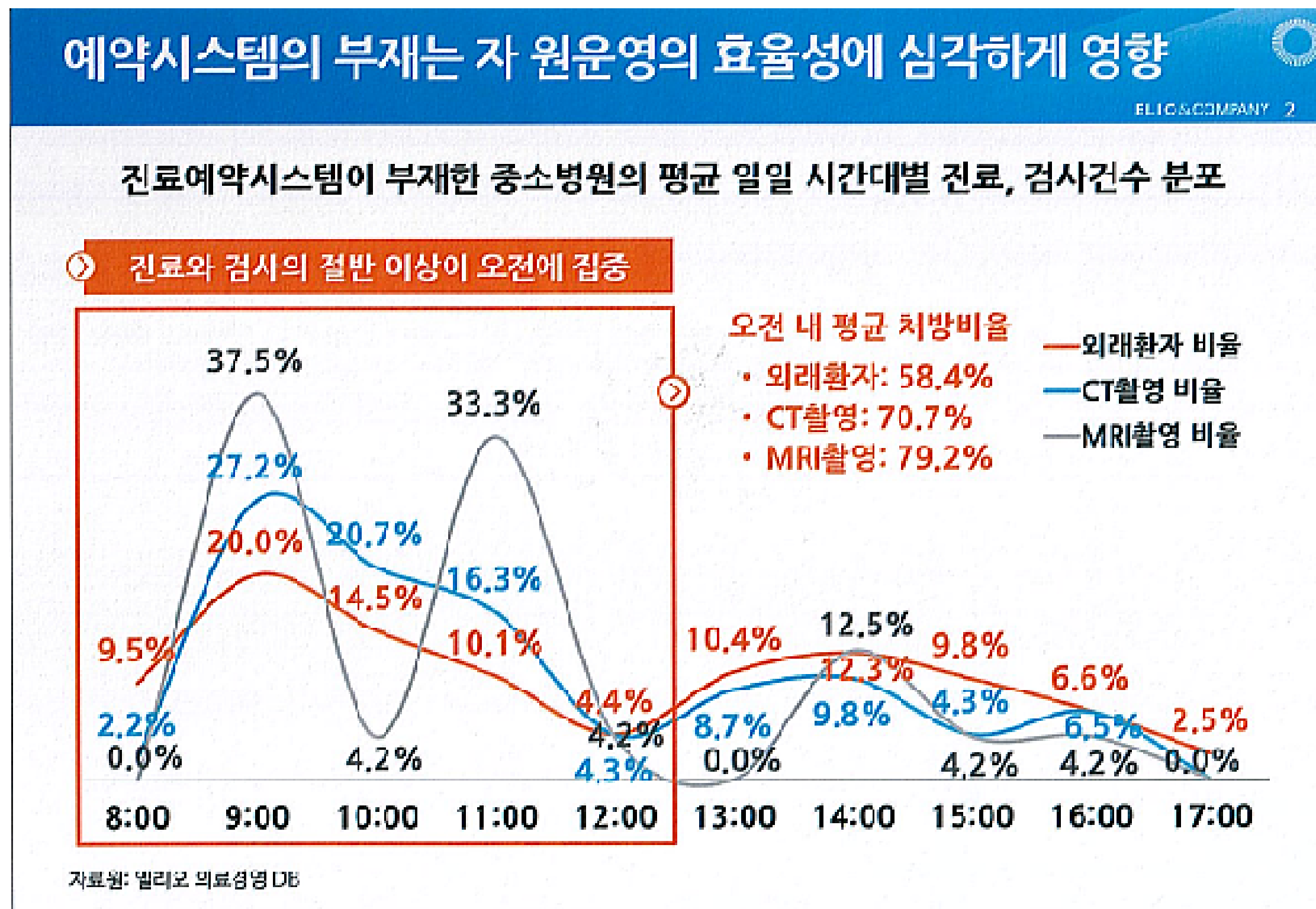
Hospital Information System

501 Team 3

Hongik Univ.
Software and Communications Engineering

C189030 백형준	Topic planning and ERD design Mainpage.php Table design and query statement production	20%
C089066 최현석	Medical_Record.php Doctor_main.php	20%
C289043 이소연	Login.php Signup.php Session_check.php	20%
C189045 이소정	Reservation.php View_Medicalrecord.php View_Medicalrecord_Patient.php	20%
C084035 윤형진	Viewreservation.php Checkreservation.php	20%

Reason for selecting topic



The focus was on implementing an appointment system so that patients can receive more smooth treatment without waiting when they visit the hospital, and making it possible to know the cause of symptoms without having to visit the hospital.

Doctors can use time efficiently by conveniently accessing the patient's system and establishing an appointment system.

Requirment

번호	대상	분류	기능명	기능설명	비고
1	Patient	Sign up/Sign in	Sign up	Sign up for membership by entering ID, password, password verification, name, birthday, gender, resident number, phone number, and address	
2			Sign in	Check the parent login and enter ID and password	Go to the Patient Main Page upon completion of login
3		Patient Main Page	Patient Main Page	doctor's list, search doctor, reservation, Button for medical record, and Check Reservation	
4		List	Doctor List	Check the list of doctors working at the hospital	
5		Search	Search Doctor	Doctor's name and medical course allow you to search for the doctor you want	
6		Reservation	Clinic Reservation	Schedule an reservation with the selected doctor by entering symptoms and reservation time	Go to the CheckReservation page when you complete the reservation
7		Detailed Page	Check Reservation	Check my reservation history, update and delete my reservation history	
8			Check Medical Record	Check my medical record	
9	Doctor	Sign up/Sign in	Sign in	Check the doctor login and enter ID and password	Go to the Doctor Main Page upon completion of login
10		Doctor Main Page	Doctor Main Page	Buttons for checking Reservation, checking medical Records, and creating medical records	
11		Detailed Page	Check Reservation	Can check the reservation details	
12			Check Medical Record	Can check my medical records	
13			Write Medical Record	Can make medical records for incoming reservations	

Table & Key

Nurse Table

Nurse ID → Name

Doctor Table

Doctor ID → Name, Password, Department, NurseID

Nurse ID → Nurse.Name

Patient Table

ID → Name, Password, Age, Gender, SSN, Phone, Address

Nurse ID → Nurse.Name

Reservation Table

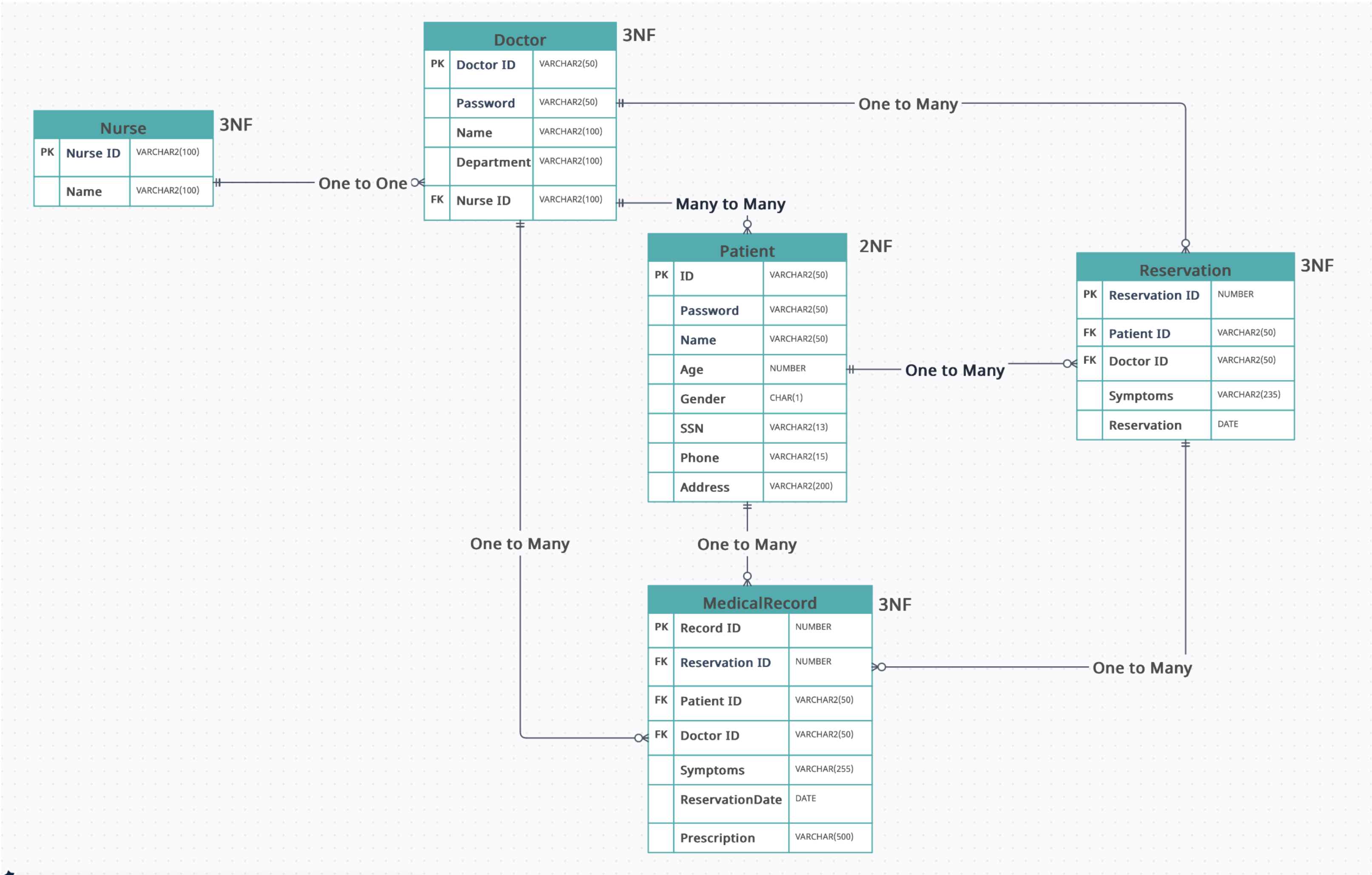
Reservation ID → PatientID, DoctorID, Symptoms, ReservationDate

MedicalRecord Table

Record ID → ReservationID, PatientID, DoctorID, Symptoms, ResrevationDate, Prescription

Reservation ID → PatientID, DoctorID, Symptoms, ReservationDate

E-R Diagram



Signup.php

Login.php

Login as Doctor / Patient

Login as:

☒ Doctor ☐ Patient

Username:

Doctor ID

Password:

••••

Login

Don't have an account? [Sign Up](#)

If Signup is successful,
Redirect to login page

Patient Sign Up

Patient ID

patient ID

Password

•••••

Confirm Password

•••••

Full Name

이소연

Date of Birth

2024. 12. 04.

Gender

☐ Male ☒ Female

SSN

000000

••••••

Show/Hide SSN

Phone Number

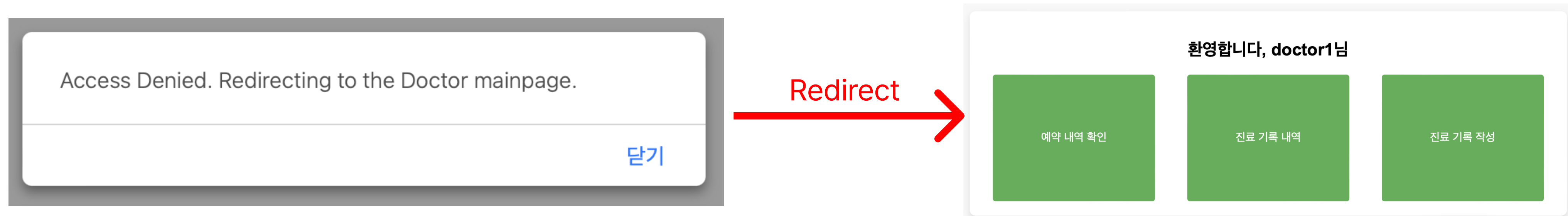
01012345678

Address

Sign Up

Session_Check.php : Check permissions and redirect

Access pages with different permissions → Redirect to current permissions main page



ex) Login as doctor and access patient-only page

Session_Check.php : Check permissions and redirect

Access pages without log in → Redirect to login page

You must log in to access this page. Redirecting to the login page.

닫기

Redirect

Login

Login as:
☐ Doctor ☒ Patient

Username:

Password:

Login

Don't have an account? [Sign Up](#)

Mainpage.php

환영합니다, patient1님

의사 검색

진료 내역 확인

예약 기록 확인

의사 이름 또는 진료과

의사 이름 또는 진료과를 입력하세요

Enter Doctor Name

검색

이름	진료과	간호사 ID	예약
이이름	이비인후과	nurse2	예약
박대리	정형외과	nurse3	예약
최선임	소아과	nurse4	예약
눈사람	내과	nurse5	예약
김의사	내과	nurse1	예약



환영합니다, patient1님

의사 검색

진료 내역 확인

예약 기록 확인

의사 이름 또는 진료과

박대리

검색

이름	진료과	간호사 ID	예약
박대리	정형외과	nurse3	예약

Reservation.php

환영합니다, patient1님

의사 검색

진료 내역 확인

예약 기록 확인

의사 이름 또는 진료과

의사 이름 또는 진료과를 입력하세요

검색

이름	진료과	간호사 ID	예약
이이름	이비인후과	nurse2	예약
박대리	정형외과	nurse3	예약
최선임	소아과	nurse4	예약
눈사람	내과	nurse5	예약
김의사	내과	nurse1	예약

진료 예약

증상:

예약 날짜 및 시간 (YYYY-MM-DD HH:MM):

2024-12-31 14:30

예약하기

Reservation List

Reservation ID	Reservation Date	Doctor Name	Patient Name	Symptoms	Actions
1	2024-12-07 12:00	김의사	김환자	콧물이 나고 기침이 납니다	<div>Delete</div> <div>연도-월-일 -- --:--</div> <div>Update Date</div>
3	2024-12-05 15:00	이이름	김환자	귀에서 피가 나요	<div>Delete</div> <div>연도-월-일 -- --:--</div> <div>Update Date</div>

뒤로가기

Viewreservation.php

Reservation List

Reservation ID	Reservation Date	Doctor Name	Patient Name	Symptoms	Actions
1	2024-12-07 12:00	김의사	김환자	콧물이 나고 기침이 납니다	<div>Delete</div> <div>연도-월-일 -- --:--</div> <div>Update Date</div>
3	2024-12-05 15:00	이이름	김환자	귀에서 피가 나요	<div>Delete</div> <div>연도-월-일 -- --:--</div> <div>Update Date</div>

뒤로가기

Delete

Update Date

2024-12-03 오후 02:52

2024년 12월

↑ ↓

일 월 화 수 목 금 토

1 2 3 4 5 6 7

8 9 10 11 12 13 14

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 1 2 3 4

5 6 7 8 9 10 11

02 52 오후

03 53 오전

04 54

05 55

06 56

07 57

08 58

Actions

Delete

Update Date

Reservation deleted successfully.

Reservation date updated successfully.

View_medicalrecord_patient.php

환영합니다, patient1님

의사 검색

진료 내역 확인

예약 기록 확인

의사 이름 또는 진료과

의사 이름 또는 진료과를 입력하세요

검색

이름	진료과	간호사 ID	예약
이이름	이비인후과	nurse2	예약
박대리	정형외과	nurse3	예약
최선임	소아과	nurse4	예약
눈사람	내과	nurse5	예약
김의사	내과	nurse1	예약

Medical Records

Doctor Name	Reservation Date	Symptoms	Prescription
김의사	2024-12-07 12:00	콧물이 나고 기침이 납니다	찬거 드시지말고 감기약 처방받으신거 잘 챙겨먹으세요.

[뒤로가기](#)

Doctor_mainpage.php

Personalized Text

환영합니다, **doctor1**님

예약 내역 확인

진료 기록 내역

진료 기록 작성

Checkreservation.php

환영합니다, doctor1님

예약 내역 확인

진료 기록 내역

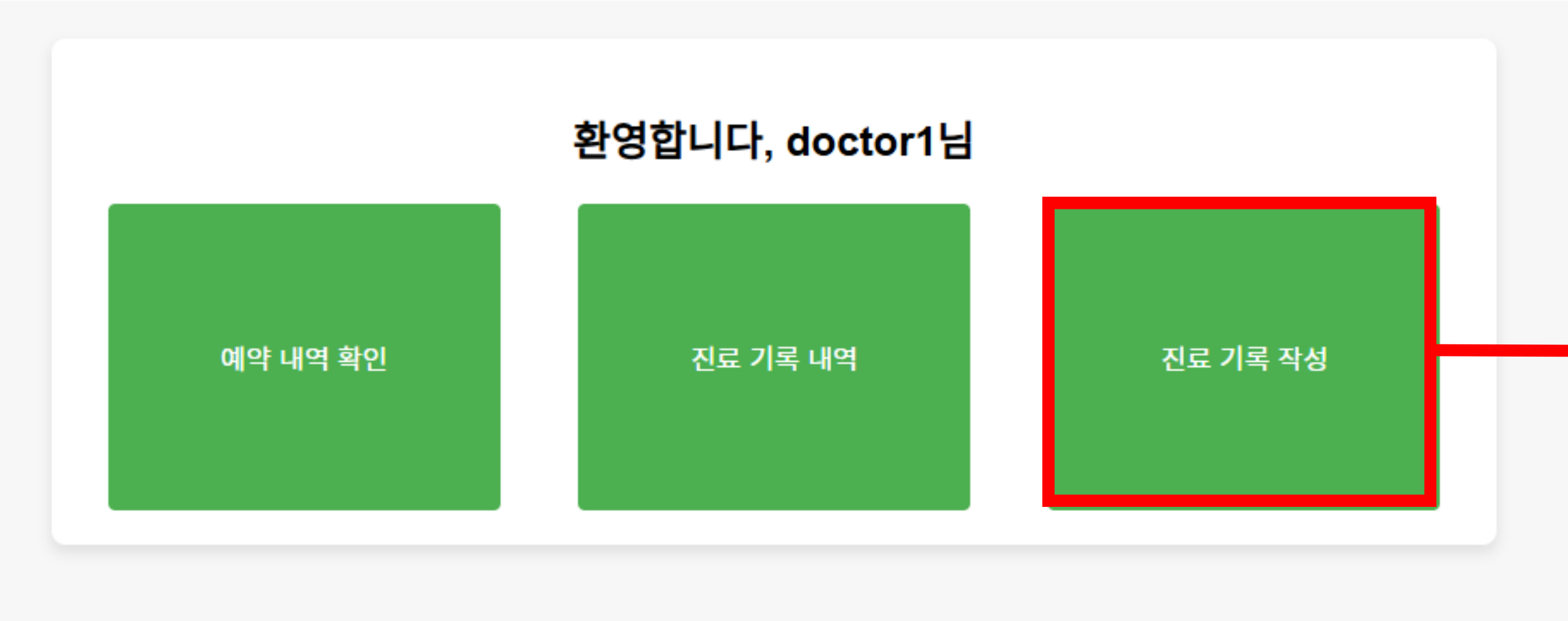
진료 기록 작성

Patient Reservations					
Reservation ID	Patient ID	Patient Name	Reservation Date	Symptoms	Action
76	patient1	환자임	2024-11-13 17:00	장염	<div>Send to Medical Record</div>
89	501_team3	데베3조	2024-12-05 12:00	배가 너무 아프고 열이 나요	<div>Send to Medical Record</div>



Medical_Record.php

Doctor_main page



Medical_Record page

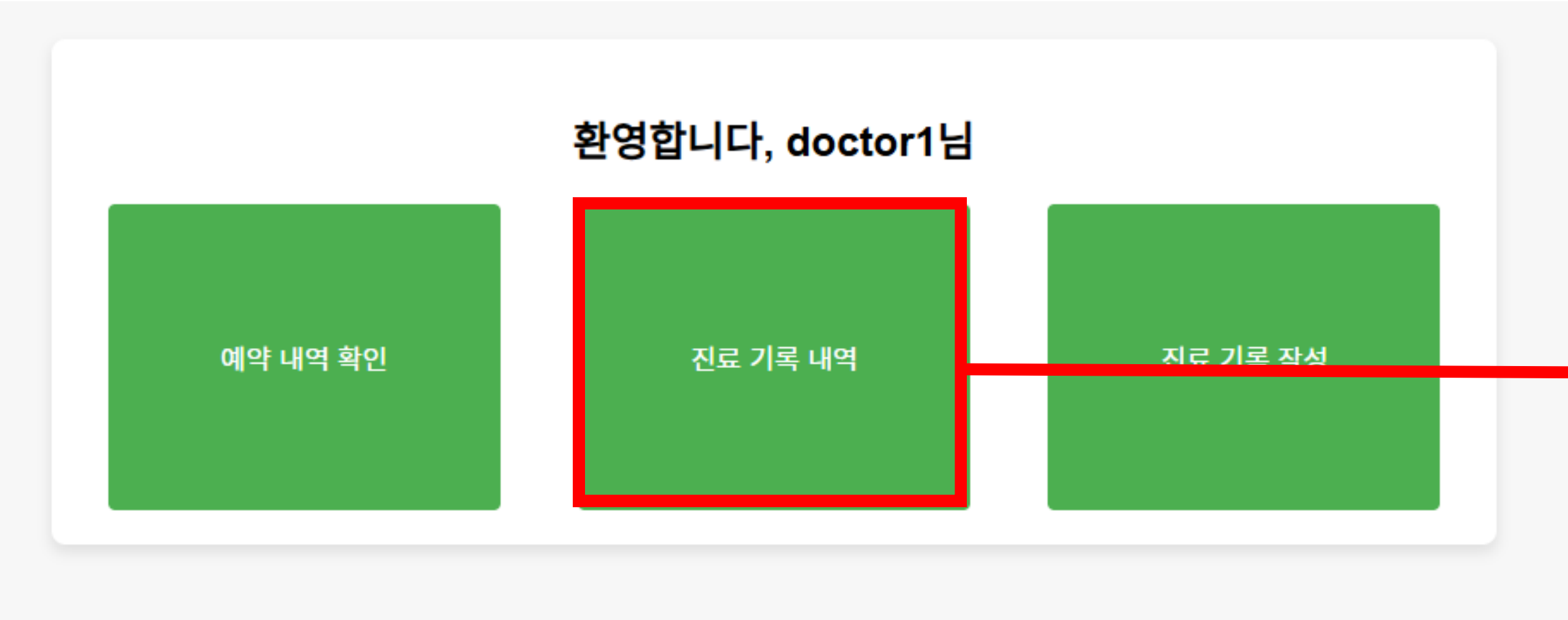
A form titled 'Medical Record' with a white background and a light gray border. It contains several input fields: 'Reservation ID' (text), 'Patient ID' (text), 'Symptoms' (text area), 'Reservation Date' (date picker), and 'Prescription' (text area). At the bottom, there is a green button labeled 'Add Record' with a red border. A red arrow points from the 'Add Record' button to the '진료 기록 작성' button in the Doctor_main page.

If press Send to medical record button,
Take instance from 'check reservation' using POST function

If Add Record success, redirect to doctor_main page

View_medicalRecord.php

Doctor_main page



view_medicalrecord.php

Medical Records

MedicalRecordID	Patient Name	Reservation Date	Symptoms	Prescription
1	김환자	2024-12-07 12:00	콧물이 나고 기침이 납니다	찬거 드시지말고 감기약 처방받으신 거 잘 챙겨먹으세요.
2	최아름	2024-12-02 15:00	위염	맵고 짜고 자극적인거 드시지 마시고 죽만 드세요

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End of Document