



WellBook

Agent-Based Appointment System

Group 7

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01

Introduction

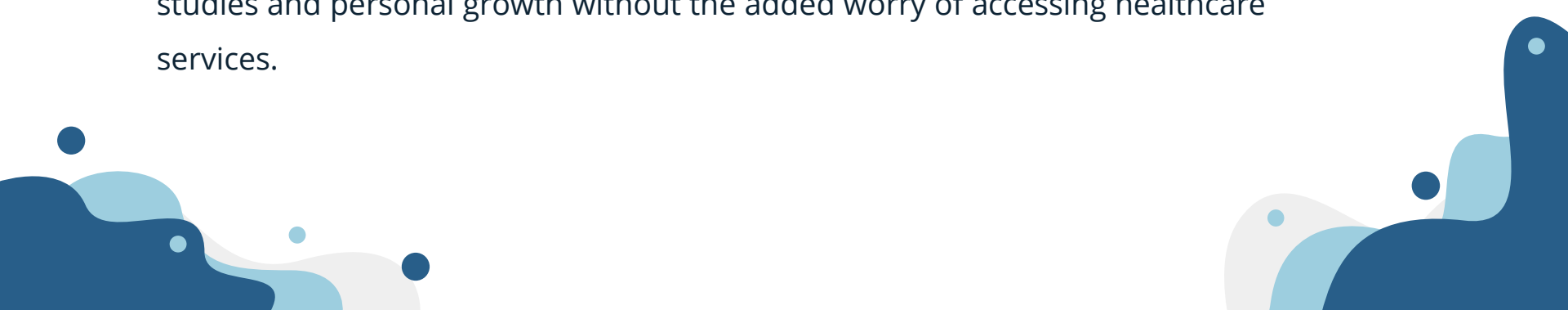
A brief description of our project





Introduction

In response to the healthcare challenges faced by students in Canada, our project introduces a centralized **appointment system** for students. By implementing this centralized appointment system within the university's student wellness center, we seek to **empower students** to focus on their studies and personal growth without the added worry of accessing healthcare services.



Our Functionality

-
- 1 Allow users to register or log in through a UI
 - 2 Check for the uniqueness of users during registration
 - 3 Allow users to select from different appointment types
 - 4 Display the available doctor for the user to select their appointment

Our Functionality

Send an email to the user
confirming their appointment

5

Allocate the appointment for
the user in the scheduler

6

7

Send a reminder email within
24 hours before appointment

Agent Description

Register Agent

verifies the user doesn't pre-exist in the database

Scheduler Agent

collects all the available appointments for a user

1

2

3

4

5

Client Agent

interaction point for users and other agents

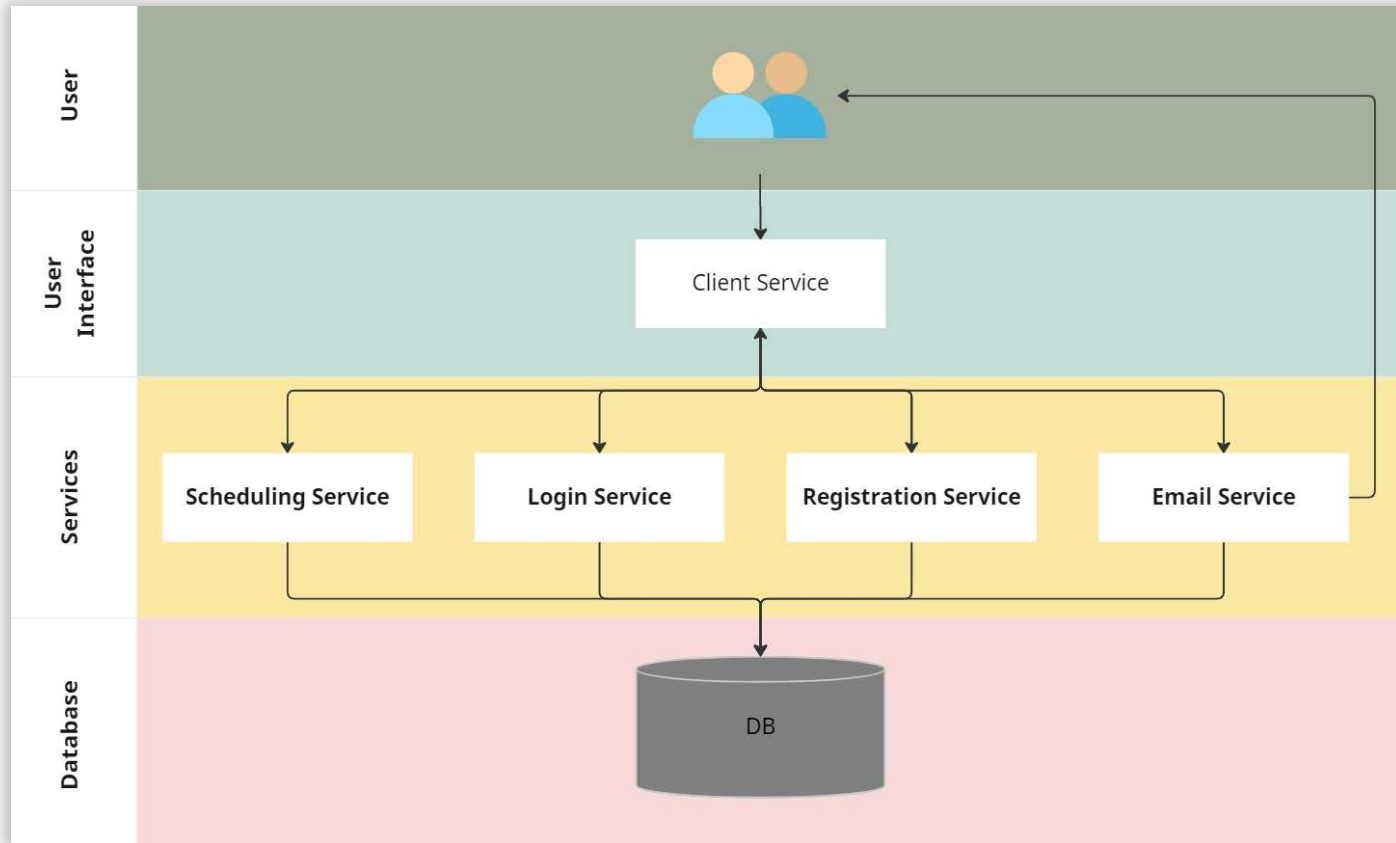
Login Agent

checks the user data for an eligible user to login.

Email Generator Agent

sends a confirmation email for the appointment.

Our Architecture





02

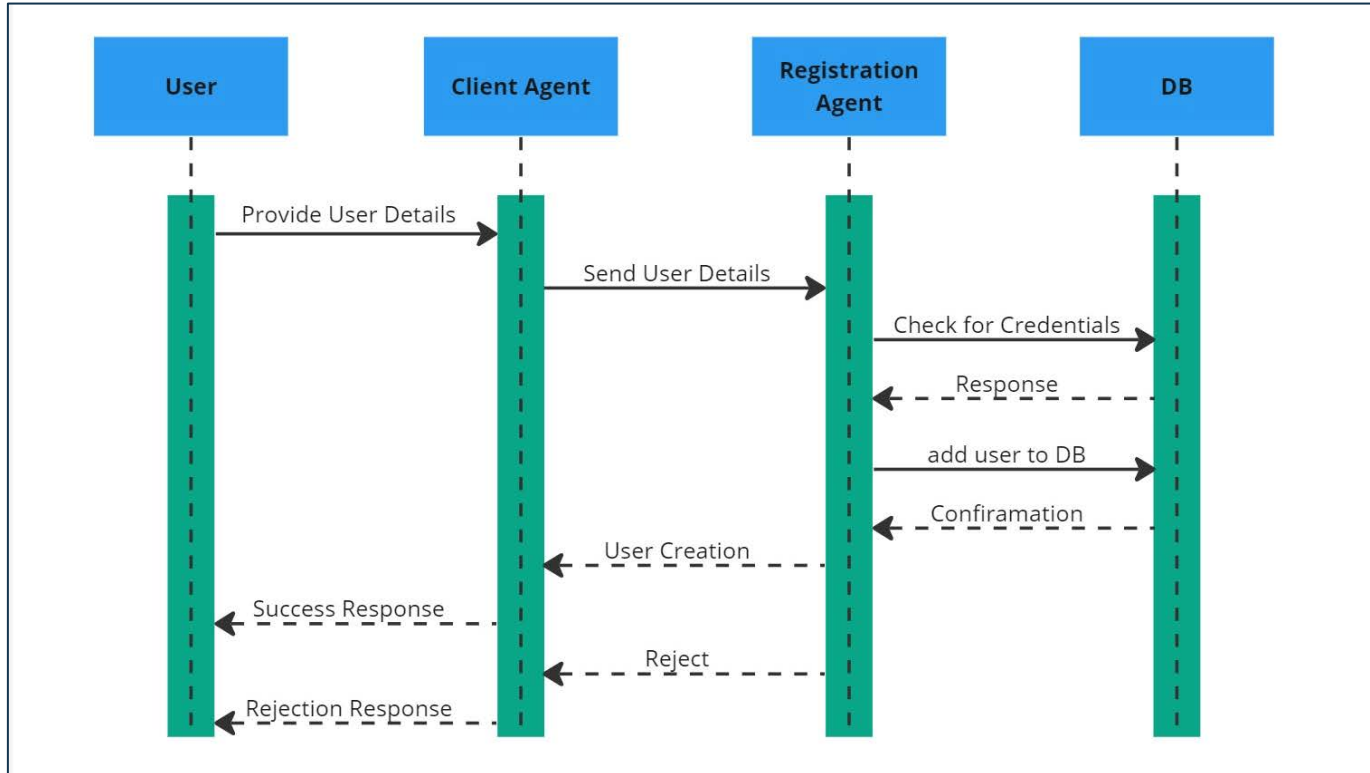
Design

A review of the design of our project



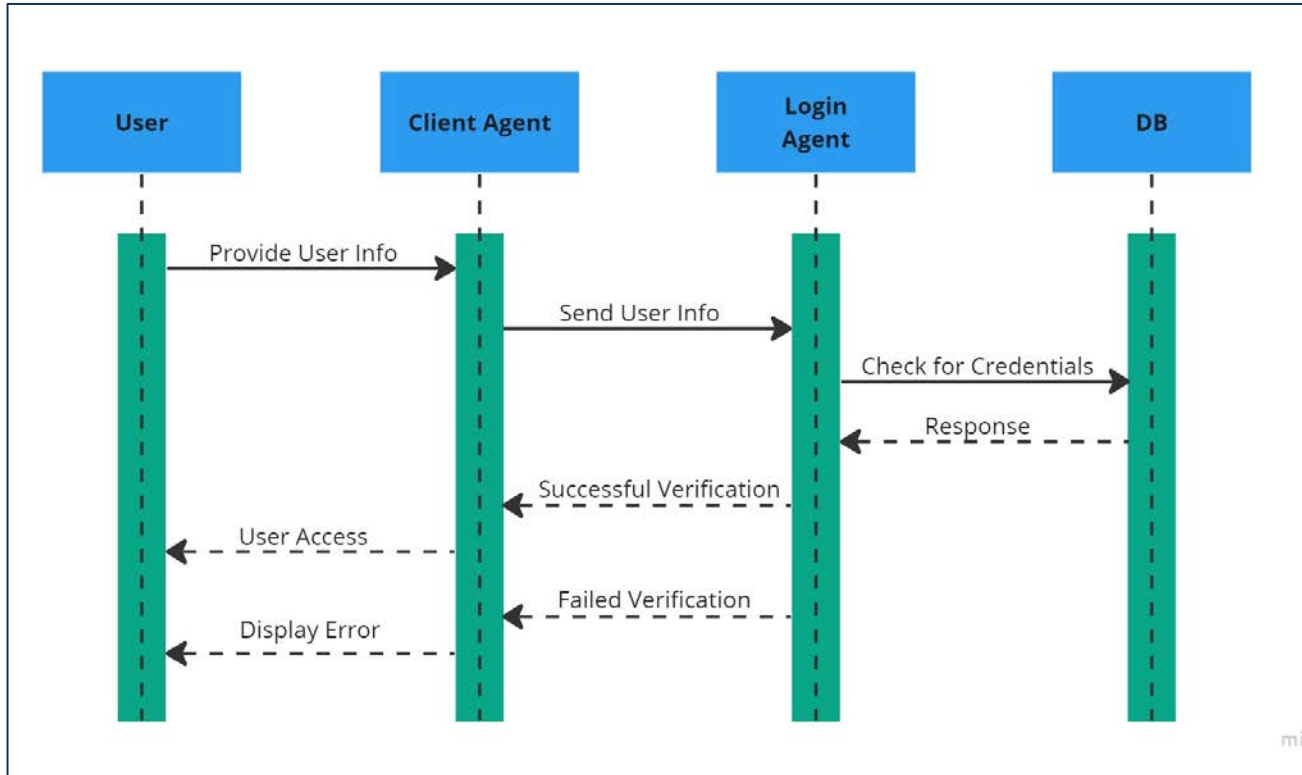
Use Cases

Register Service



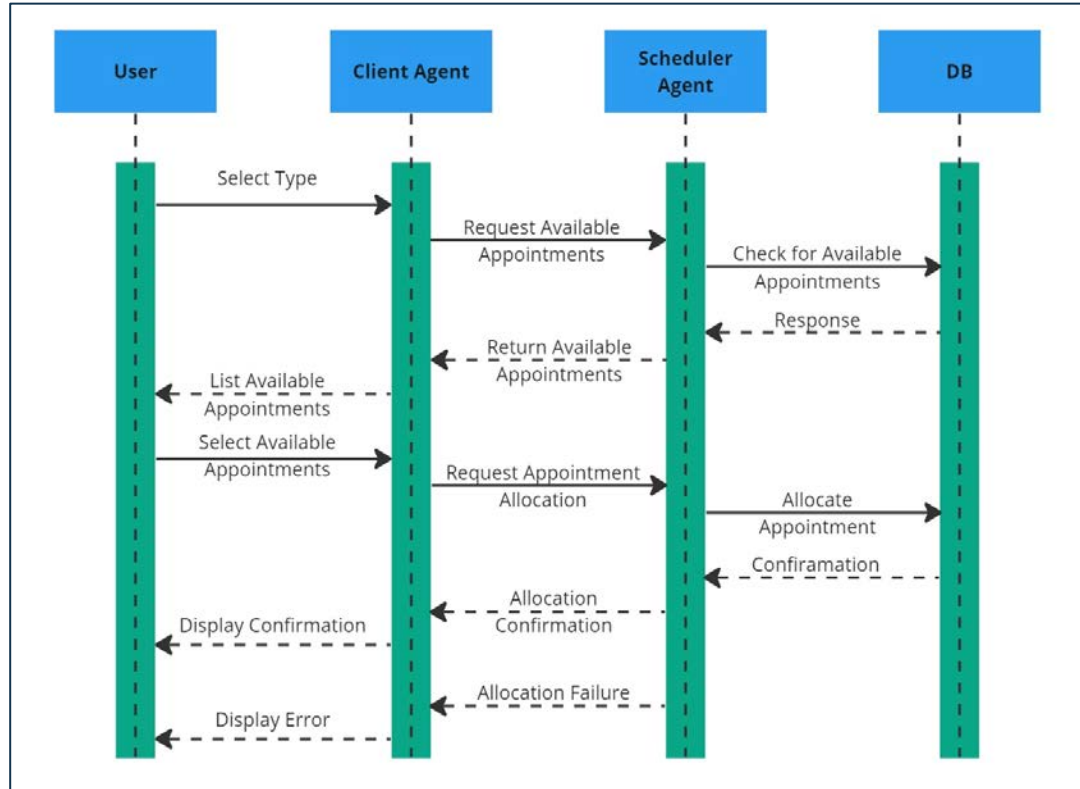
Use Cases

Login Service



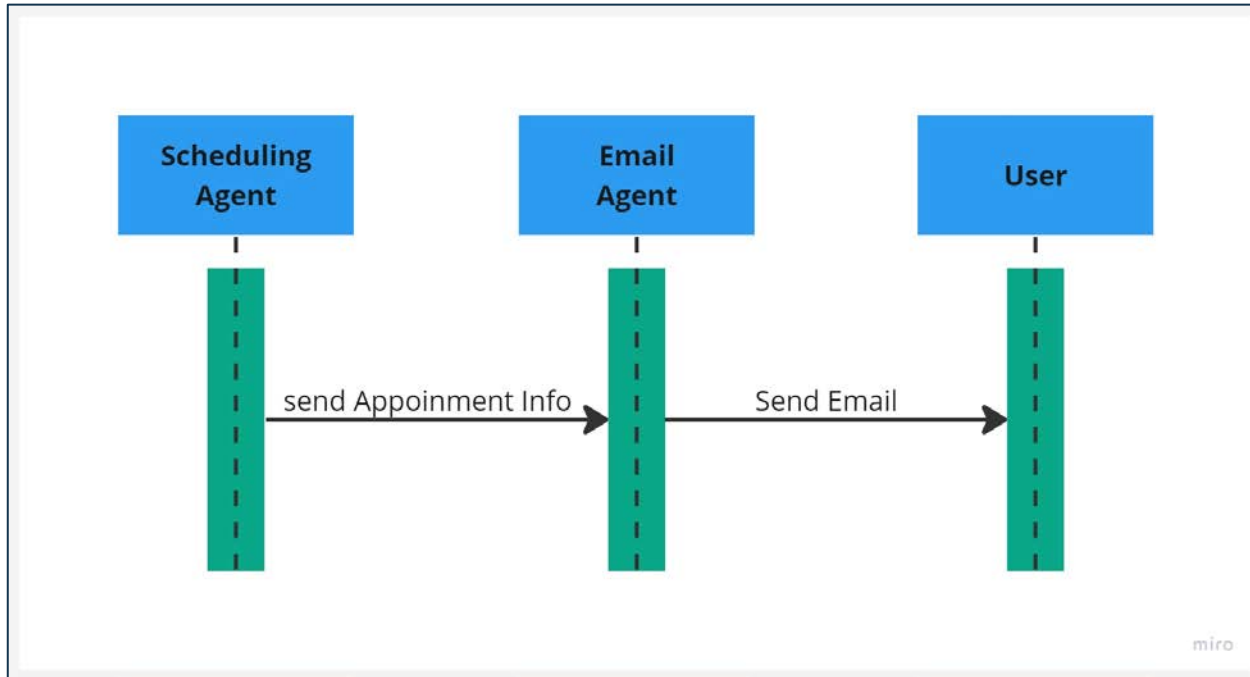
Use Cases

Scheduler Service

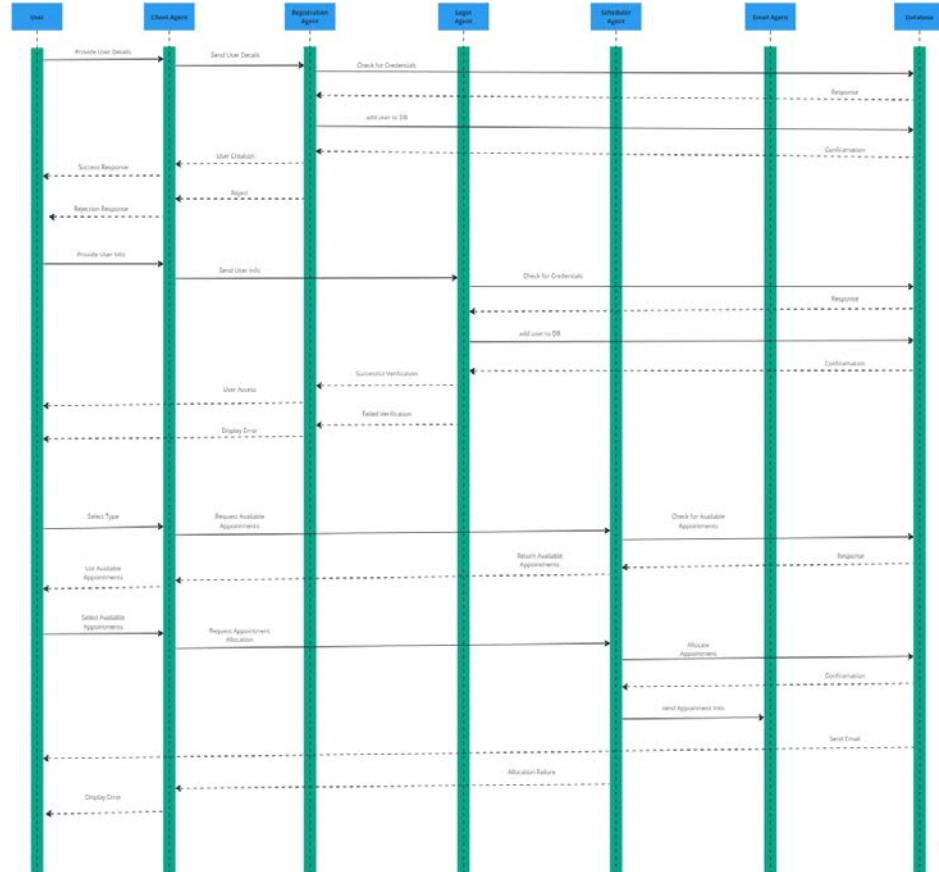


Use Cases

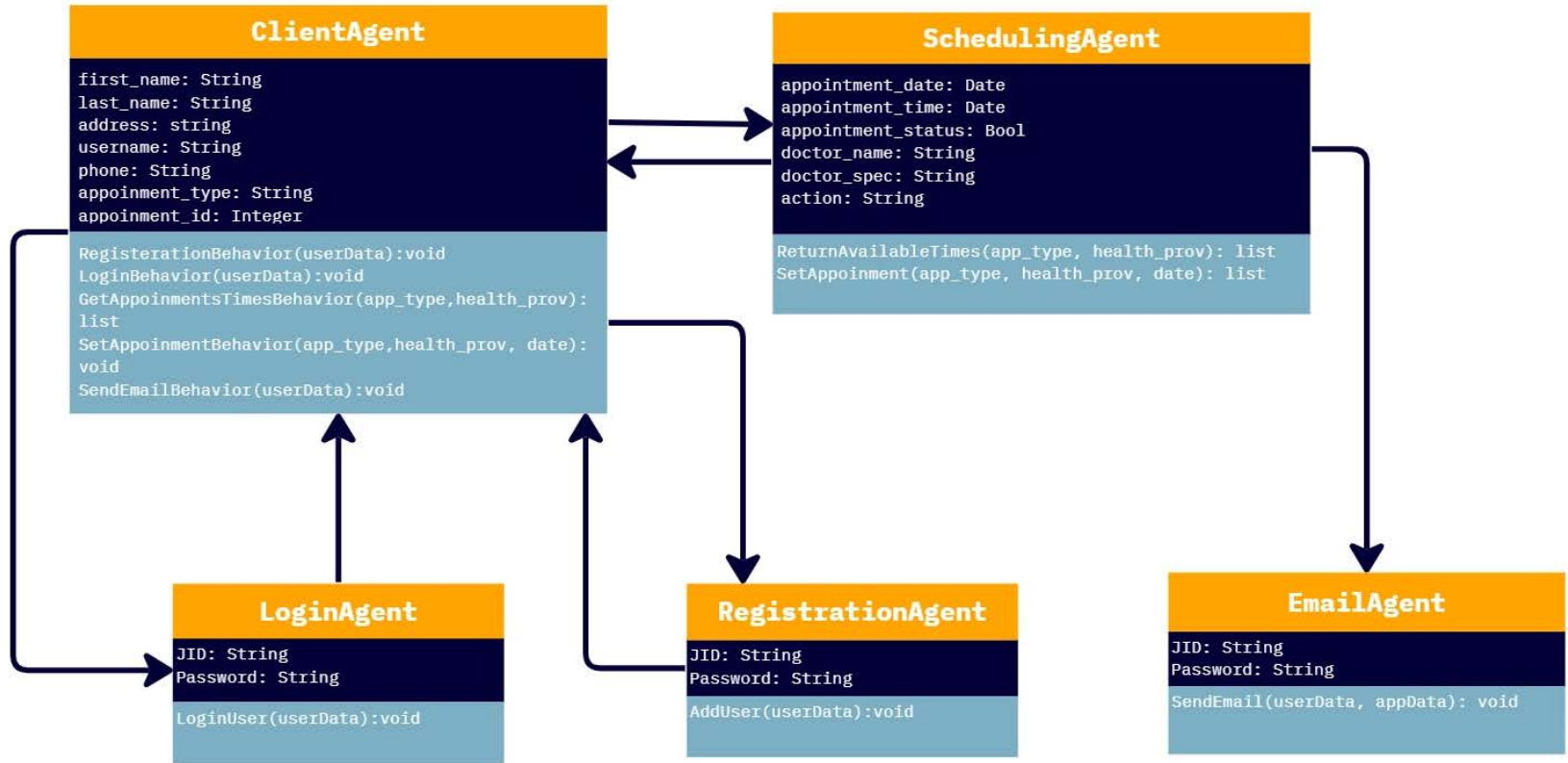
Email Service



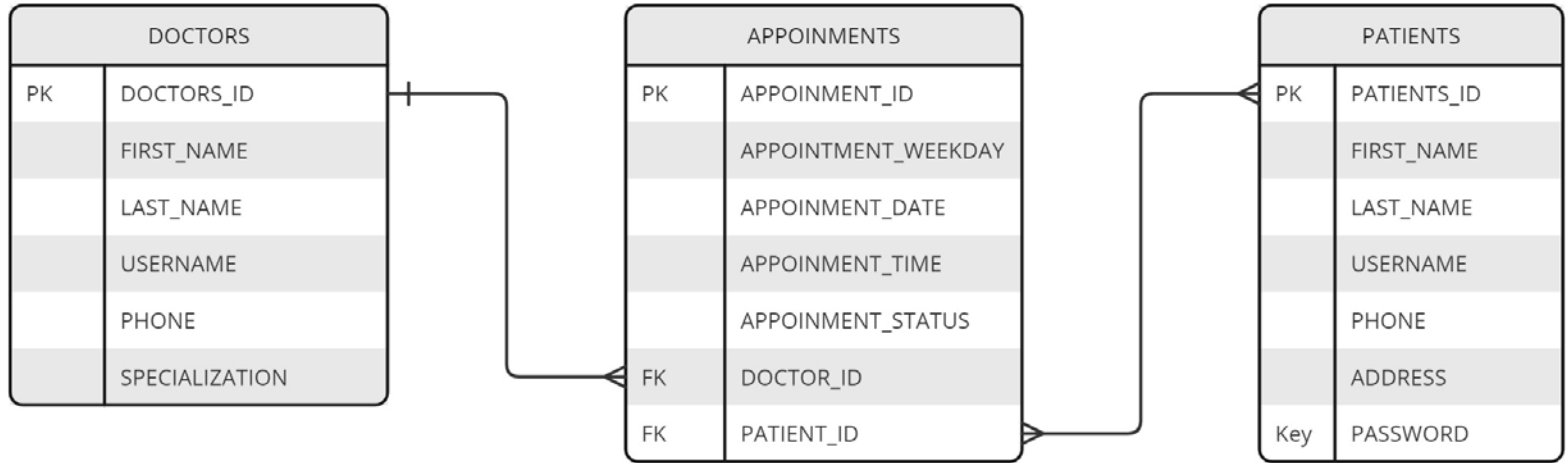
Sequence Diagram



Class Diagram



E-R Diagram





03

Develop

A description of the development of our project



Welcome to Student Wellness services booking Website.

You can book a new appointment or see your following appointments with the University of Calgary wellness center. Experience a variety of health services tailored to your needs. We offer medical appointments, therapy sessions, chiropractic, and physiotherapy to support your well-being. Our dedicated team is here to provide personalized care for a healthier you.

[LOGIN](#)[REGISTER](#)

Full Name: Zahra Arabi

UCalgary Email: zahra.arabinareil@ucalgary.ca

Phone Number: 2345678901



STUDENT WELLNESS SERVICES BOOKING.

WellBookUofC

Hey there! We're Group 7, a team of ESE students working on an appointment booking system for the University of Calgary wellness center. Meet our group members:



Mahboobe Shakeri



Zahra Arabi



Sara Montajab



Amirhossein Foroughi



Sign Up

REGISTER

ALREADY HAVE AN ACCOUNT? LOGIN



Login

LOGIN

NEW HERE? SIGN UP



Your Profile



Zahra

Full Name: Zahra Arabi

Ucalgary Email: zahra.arabinareli@ucalgary.ca

Phone Number: 2345678901



RESEVE NEW TIME



LOGOUT



Your Following Appointments





Your Profile



Zahra

Full Name: Zahra Arabi

UCalgary Email: zahra.arabinarei@ucalgary.ca

Phone Number: 2345678901



RESEVE NEW TIME



LOGOUT



Your Following Appointments



Reserved Time

Healthcare Provider: Iona
Appointment Type: medical

Date: 2023/12/10
Time: 20:00 PM



Appointment Scheduler

Appointment Type
all

SEARCH

ADD TO THE APPOINTMENTS

Available Appointments

Search



Health Care Provider Name

Health Care Provider Specialization

Date

Time



Iona

medical

2023/12/13

11:00 AM



Iona

medical

2023/12/10

20:05 PM



Iona

medical

2023/12/13

12:00 PM



Iona

medical

2023/12/13

13:00 PM



Iona




medical

2023/12/13


14:00 PM

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 WellBookUofC

Your Profile



Zahra





Full Name: Zahra Arabi

UCalgary Email: zahra.arabinareli@ucalgary.ca

Phone Number: 2345678901

RESEVE NEW TIME

LOGOUT



Your Following Appointments

Reserved Time

Healthcare Provider: Iona
Appointment Type: medical

Date: 2023/12/10
Time: 20.00 PM

Reserved Time

Healthcare Provider: Carter
Appointment Type: mental_health

Date: 2023/12/11
Time: 13.00 PM

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ABOUT US

Database

Appointment Table

SQL ▼						
id	patient_id	doctor_id	weekday	date	time	status
1	NULL	1	Wednesday	2023-12-13 00:00:00.000000	11:00:00.000000	empty
2	NULL	1	Sunday	2023-12-10 00:00:00.000000	20:05:00.000000	empty
3	NULL	1	Sunday	2023-12-10 00:00:00.000000	20:00:00.000000	empty
4	NULL	1	Sunday	2023-12-10 00:00:00.000000	20:55:00.000000	empty
5	NULL	1	Sunday	2023-12-10 00:00:00.000000	21:25:00.000000	empty
6	3	1	Sunday	2023-12-10 00:00:00.000000	21:20:00.000000	full
7	3	1	Sunday	2023-12-10 00:00:00.000000	21:15:00.000000	full
8	NULL	1	Wednesday	2023-12-13 00:00:00.000000	12:00:00.000000	empty
9	NULL	1	Wednesday	2023-12-13 00:00:00.000000	13:00:00.000000	empty
10	NULL	1	Wednesday	2023-12-13 00:00:00.000000	14:00:00.000000	empty
11	NULL	1	Wednesday	2023-12-20 00:00:00.000000	10:00:00.000000	empty
12	NULL	1	Wednesday	2023-12-20 00:00:00.000000	11:00:00.000000	empty
13	NULL	1	Wednesday	2023-12-20 00:00:00.000000	12:00:00.000000	empty
14	NULL	1	Wednesday	2023-12-20 00:00:00.000000	13:00:00.000000	empty
15	NULL	1	Wednesday	2023-12-20 00:00:00.000000	14:00:00.000000	empty
16	NULL	1	Wednesday	2023-12-27 00:00:00.000000	10:00:00.000000	empty
17	NULL	1	Wednesday	2023-12-27 00:00:00.000000	11:00:00.000000	empty
18	NULL	1	Wednesday	2023-12-27 00:00:00.000000	12:00:00.000000	empty
19	NULL	1	Wednesday	2023-12-27 00:00:00.000000	13:00:00.000000	empty
20	NULL	1	Wednesday	2023-12-27 00:00:00.000000	14:00:00.000000	empty

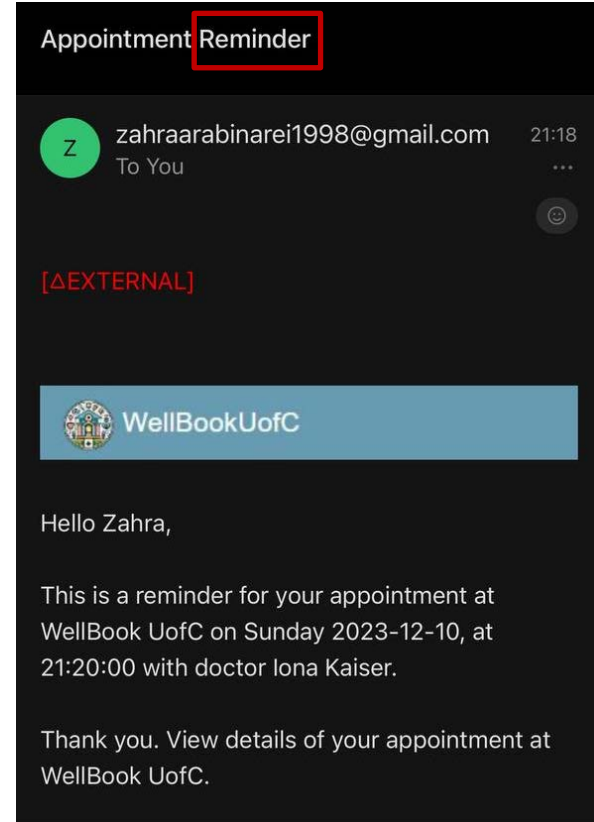
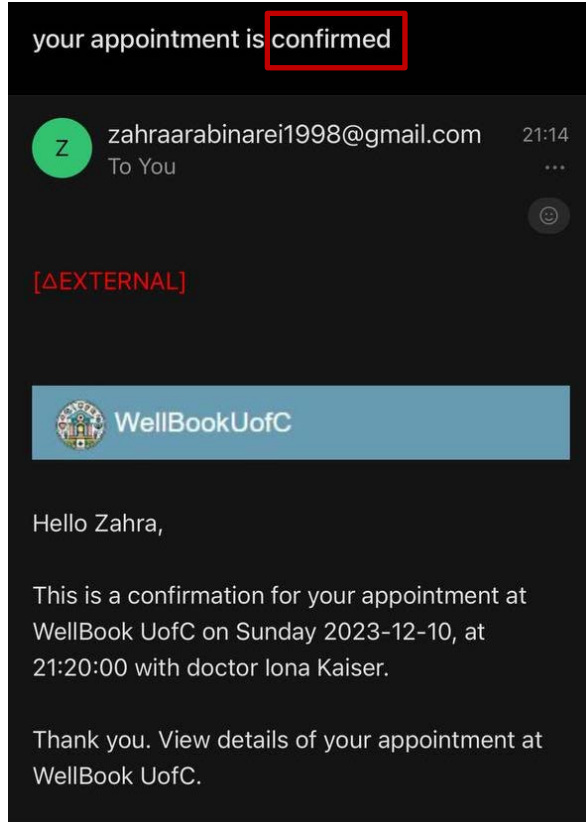
Doctors Table

SQL ▼					
id	username	first_name	last_name	phone	specialization
1	iona.kaiser@example.com	Iona	Kaiser	9876543210	medical
2	harper.marsh@example.com	Harper	Marsh	1676543210	medical
3	robin.hamilton@example.com	Robin	Hamilton	8349032109	mental_health
4	carter.hardy@example.com	Carter	Hardy	9635432109	mental_health
5	hugh.hammond@example.com	Hugh	Hammond	8765432109	chiropractic
6	charlie.holmes@example.com	Charlie	Holmes	9765432149	chiropractic
7	irven.landry@example.com	Irven	Landry	8765432590	massage
8	ellen.reid@example.com	Ellen	Reid	8765476101	massage

Patients Table

SQL ▼						
id	username	user_password	first_name	last_name	phone	address
1	jerry.houston@ucalgary.ca	jerry123	Jerry	Houston	1234567890	123 Main St
2	amber.lowe@example.com	amber321	Amber	Lowe	2345678901	456 Oak St
3	zahra.arabinarei@ucalgary.ca	123456	Zahra	Arabi	2345678901	456 Oak St

Email Generator





**Thanks for
your attention**