

Hospital Booking System



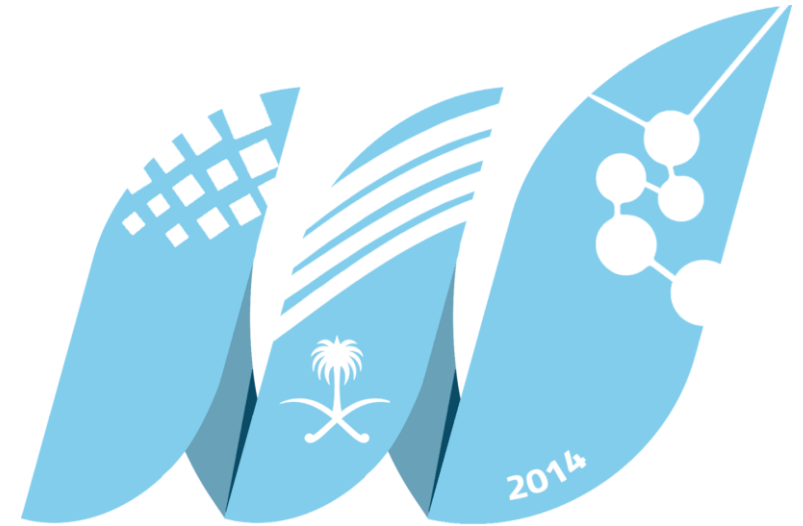
Faculty Of Engineering
Industrial & System Engineering Department
ENIE 352

Tariq Ghassan Hakeem 2141125

Bader Emad Alrasheed 2142054

Abdulrahman Atif kalantan 2140968

Hassan Hamid Al-Harbi 2142731



جامعة جدة
University of Jeddah

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System design

Overview about Al-Abeer Medical, Mission & vision

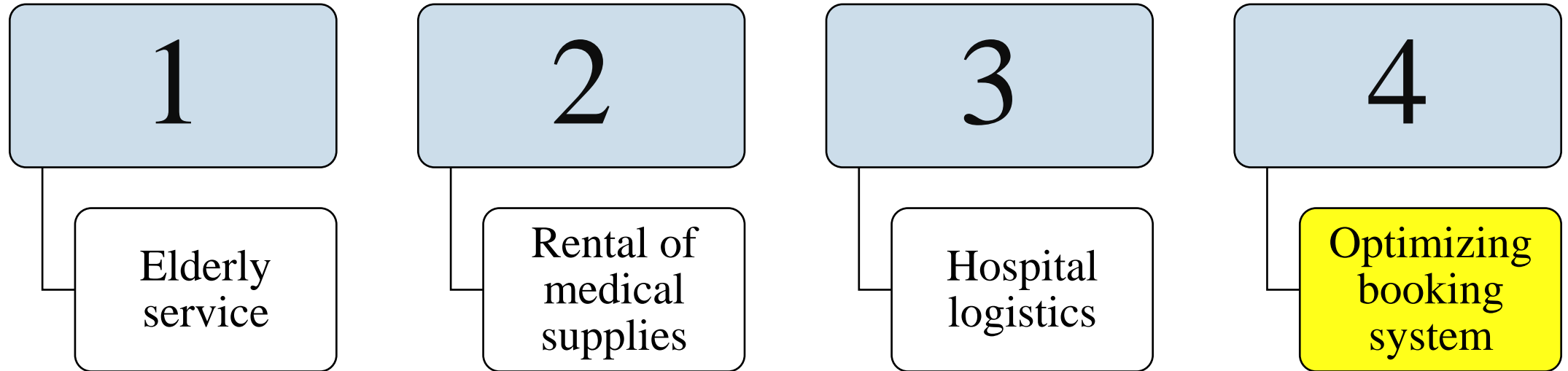
- **Vision**

To achieve global preference in healthcare through our distinctive services based on excellence and reliability.

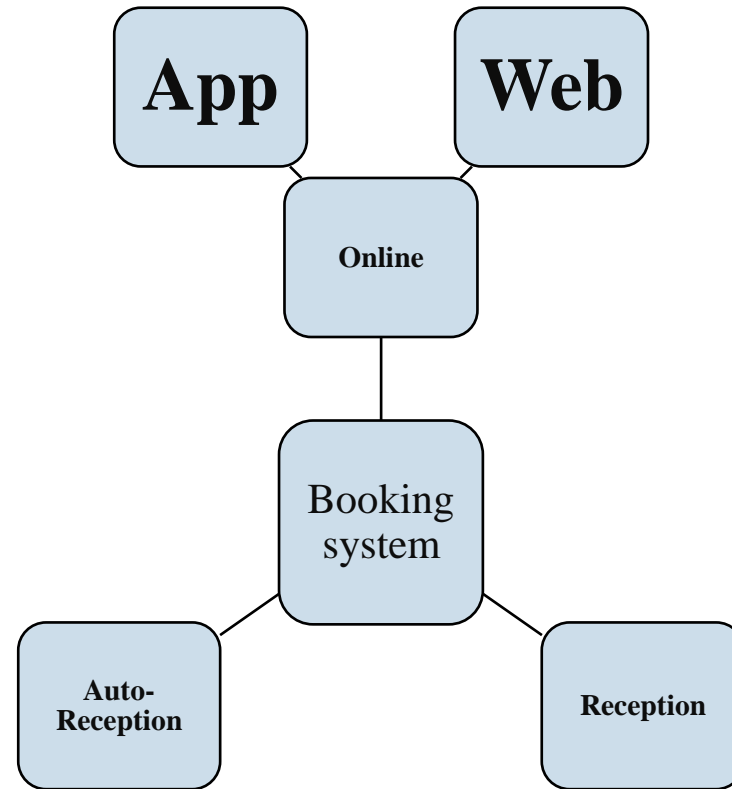
- **Mission**

To refine and redefine healthcare standards through consistent quality enhancement endeavours aiming at winning and retaining excellence.

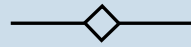
Lists of Ideas



Optimizing booking system



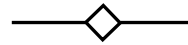
Proposed System



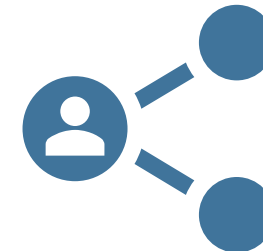
Combination of both the old & new system.



How will the proposed system serve the mission & vision of the company



can help the company achieve its goal of global preference in healthcare.



lead to a better overall experience for customers, which can help build trust and loyalty.

Feasibility studies

Operational feasibility

- Will the new system result in a workforce reduction?

Technical feasibility

- The hospital does not have the necessary tools, but they can buy them

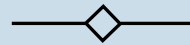
Economic feasibility

- Will you be financial returns through this system?

Schedule feasibility

- Will an accelerated schedule pose any risks

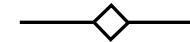
SYSTEM ANALYSIS



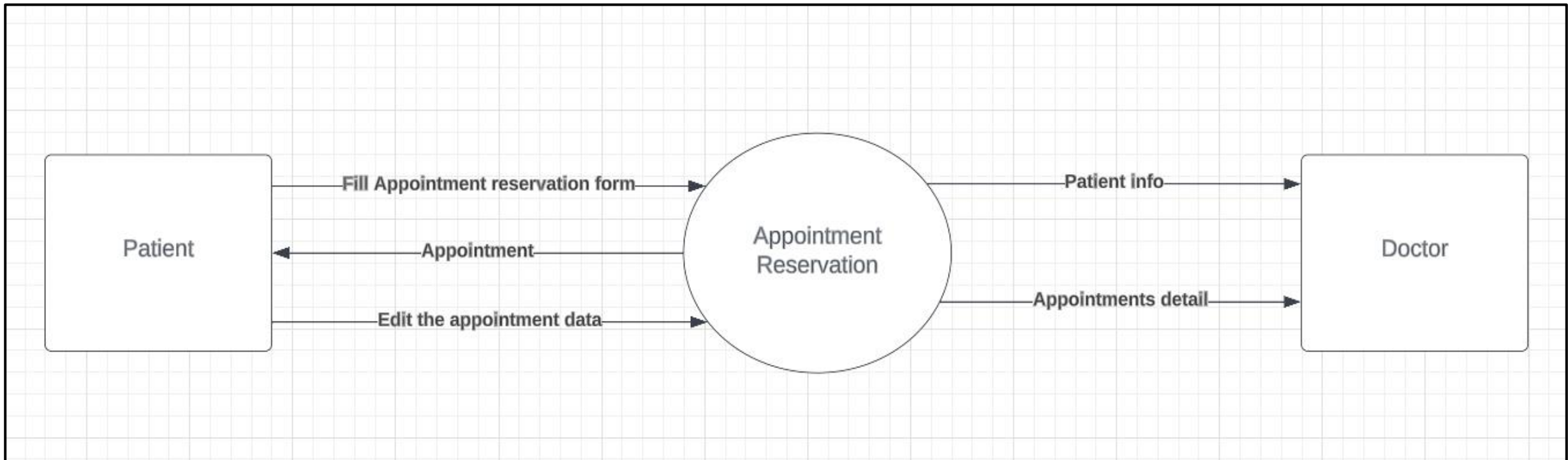


Systems Analysis

- **What are inputs requirements :** It appears to him either a review or a statement, and the patient chooses one of them
- **What are output requirements :** If the orthopedic doctor is not present, the system suggests a doctor in the same medical field as the orthopedic consultant
- **What is process requirements :**
 - Is the doctor available or not?
 - Does the patient want to be examined or reviewed?



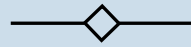
System Analysis Data flow Diagram (level 0)



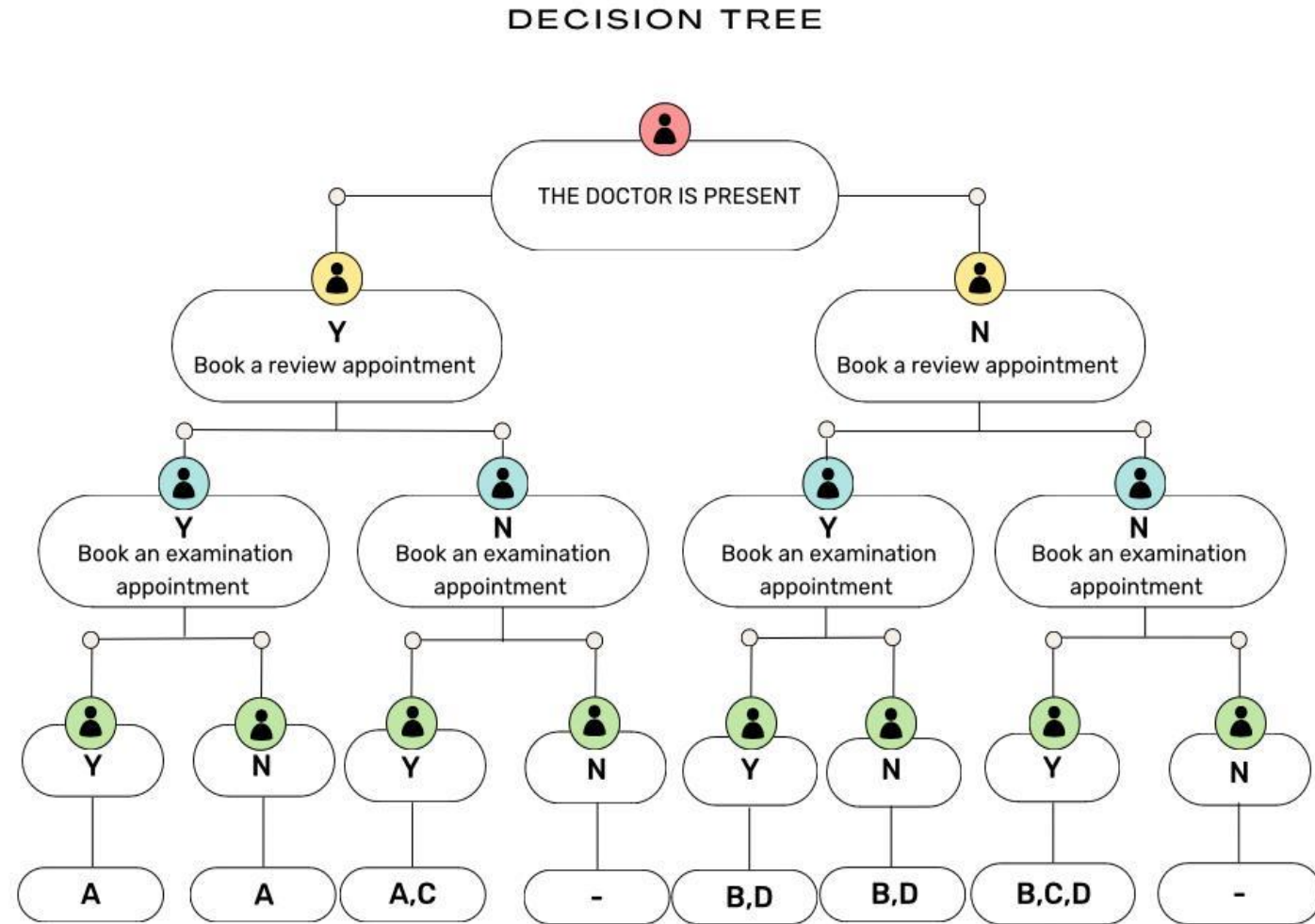
System Analysis Decision Table

	1	2	3	4	5	6	7	8
The doctor is present	Y	Y	Y	Y	N	N	N	N
Book a review appointment	Y	Y	N	N	Y	Y	N	N
Book an examination appointment	Y	N	Y	N	Y	N	Y	N
Book an appointment	X	X	X					
Suggest another doctor in the service					X	X	X	
Pay a fee if they book an examination appointment without review.			X				X	
waiting for doctor					X	X	X	

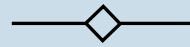
SYSTEM ANALYSIS DECISION TREE



A	Book an appointment
B	Suggest another doctor in the service
C	Pay the amount in the event of statement without review
D	waiting for doctor



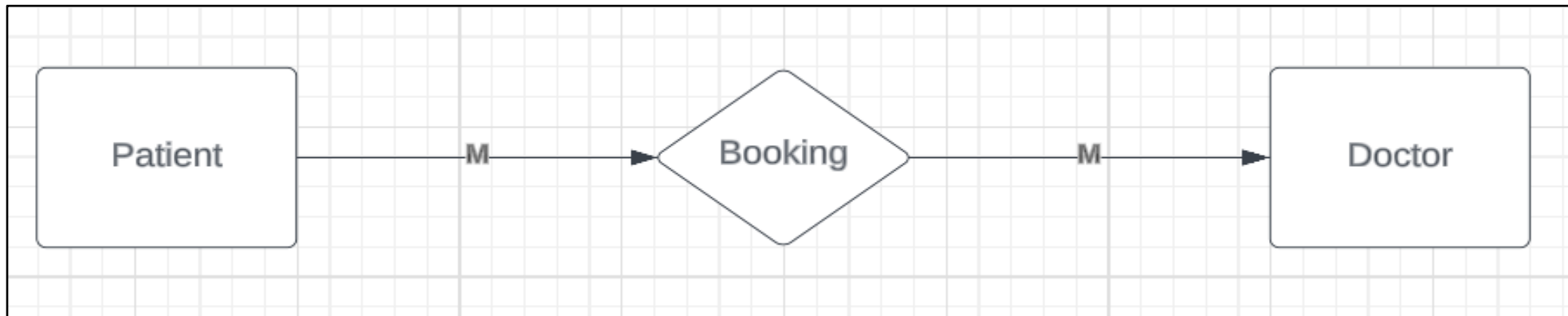
SYSTEM DESIGN

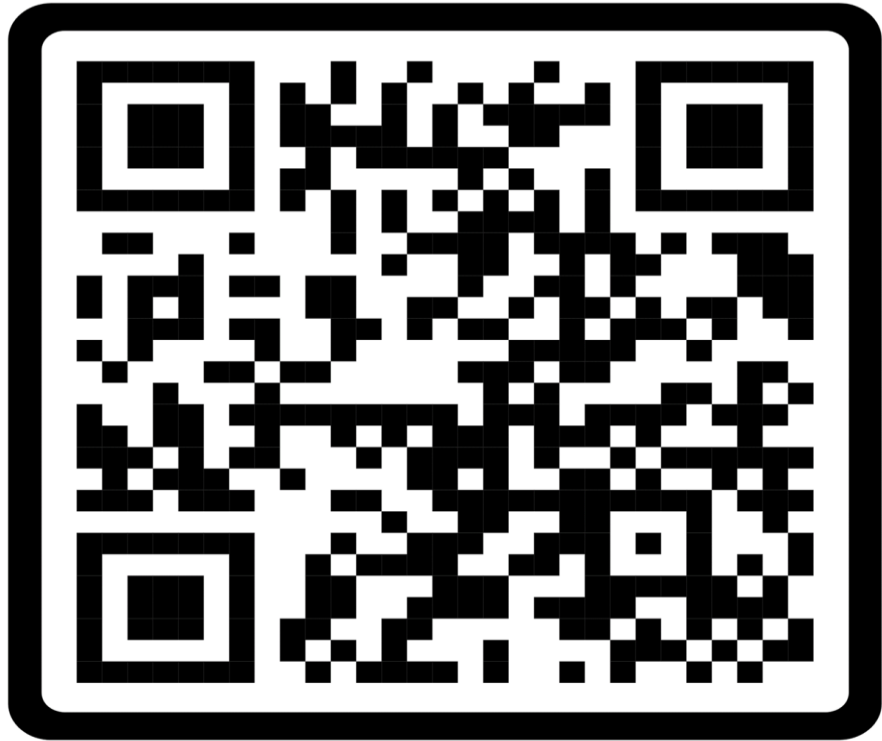


Entity relationship

Three Entities Patient, doctor, Booking.

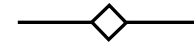
- **Standard notation format**
 - Patient(PatientID, Name, Phone, Email)
 - Doctor(DoctorID, Name, Specialization, Phone, Email)
 - Booking(BookingID, Date, Time, PatientID, DoctorID)





User interface

- <https://system1analysis.github.io/project-abeer/>



User interface _{con}

The image shows a user interface mockup for a medical center's login page. It features a dark teal header with the center's name and navigation links, a central white login form with input fields and a button, and a dark teal footer with copyright information.

Abeer Medical Center

Login Register

Login

ID:

Password:

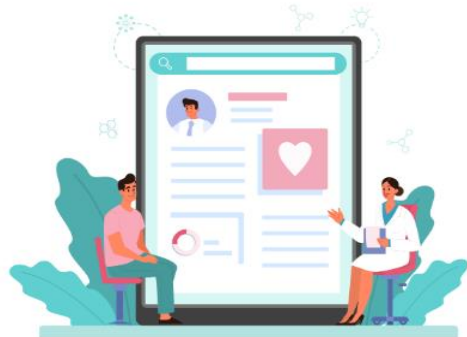
[Forgot Password?](#)

LOGIN

[Don't Have an Account? Register now](#)

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User interface _{con}



Book an Appointment



Manage Appointment

User interface _{con}

Find Consultations

Patient Name

Khalid Omar

ID

1024638328

Phone Number

0502592336

Date

01/01/2023

Time

01 : 23

Department

Medicine

Type of Appointment

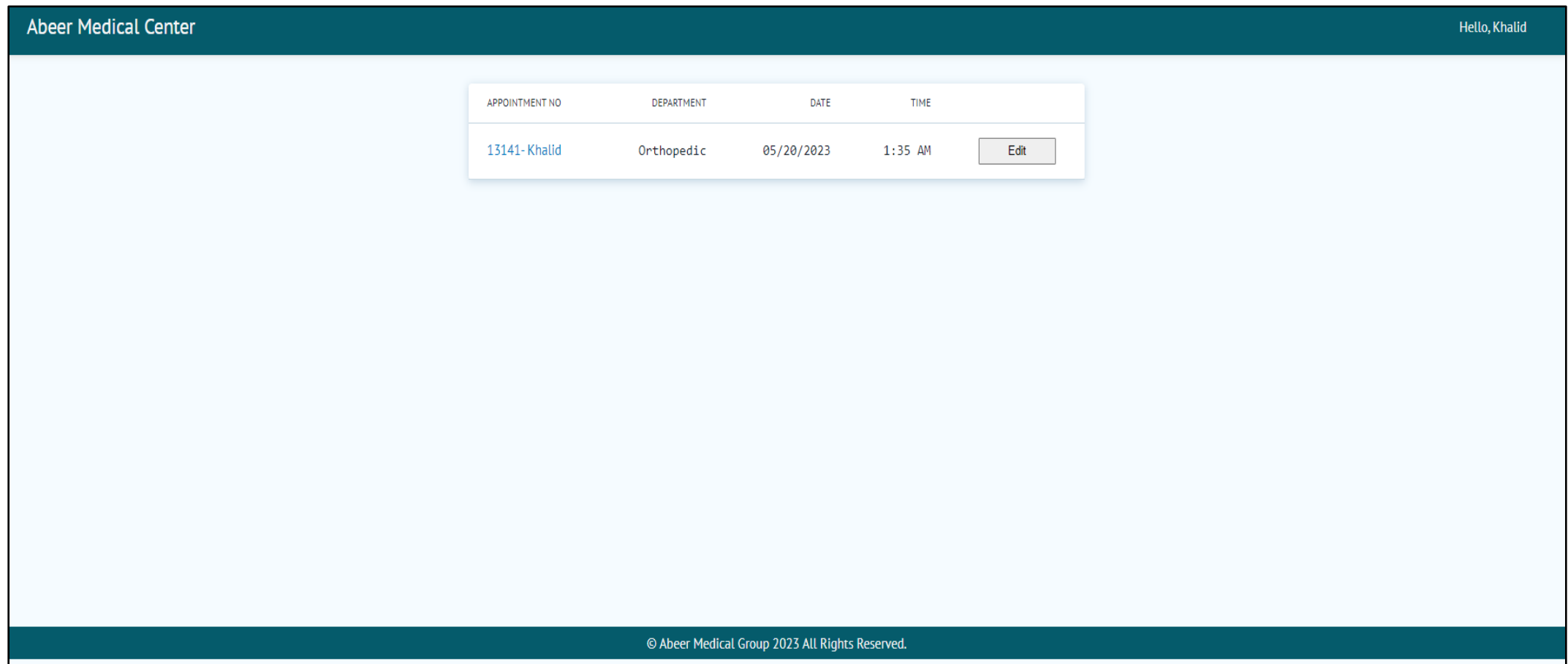
☒ Follow up

☐ New Appointment

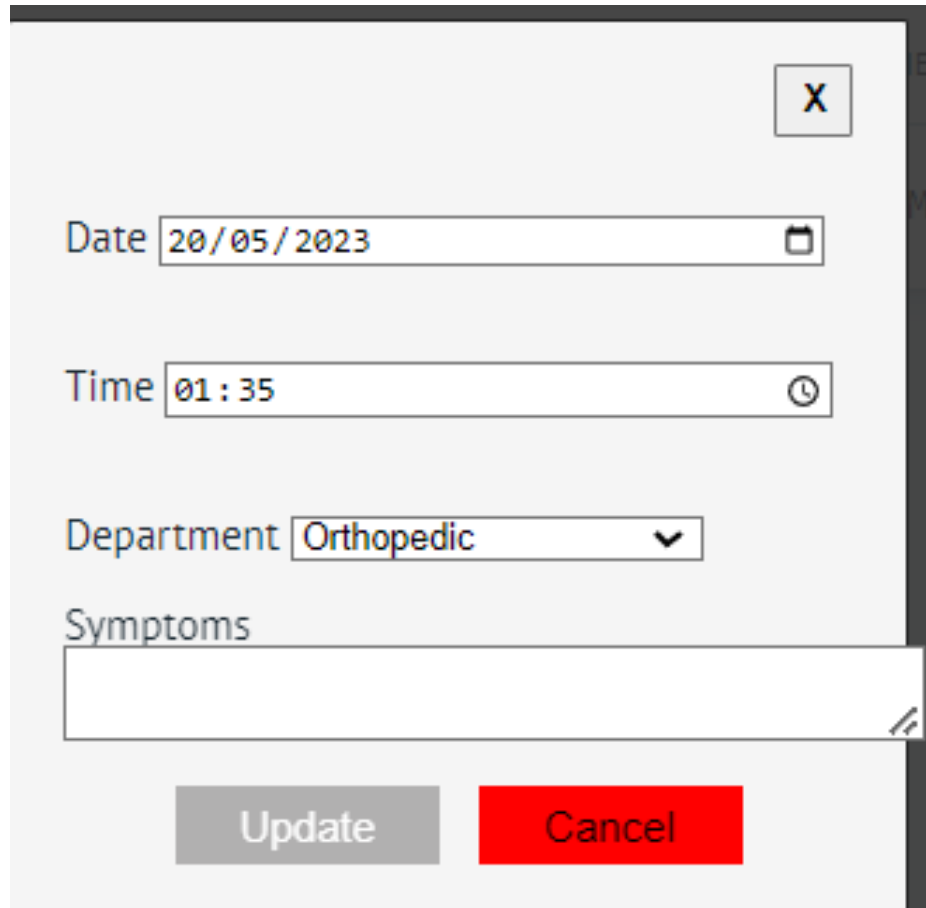
Symptoms

CONFIRM

User interface _{con}



User interface _{con}



A screenshot of a user interface form. The form has a light gray background and a dark gray border. In the top right corner, there is a small square button with a red 'X' icon. Below this, there are four input fields: a date field with the text '20/05/2023' and a calendar icon, a time field with the text '01:35' and a clock icon, a department dropdown menu with 'Orthopedic' selected and a downward arrow, and a text area labeled 'Symptoms' with a double-slash icon in the bottom right corner. At the bottom of the form, there are two buttons: a gray 'Update' button and a red 'Cancel' button.

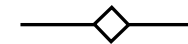
Date 20/05/2023

Time 01:35

Department Orthopedic

Symptoms

Update Cancel



THANK YOU

