Software Requirements Specification

for

PT CARE

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
PT Care	14/2/2024		1.0

1. Introduction

Welcome to our physical therapy application project. This document highlights the organizational structure of our application and how it is used. which works by building an interface to organize patient appointments for the convenience of both the center and patients. It also provides secure communication between patients and specialists.

1.1 Purpose

This SRS describes the functional and non-functional requirements for version 1.0 of our Physical Therapy (PT) application. It serves as a comprehensive guide aimed at improving understanding for various stakeholders, including the Centre's secretarial who will work on the application, project staff ,developer, testers and training coordinators. This document has been carefully prepared to unravel the complexities of our implementation, ensuring clarity for those involved in its organization and implementation.

1.2 Document Conventions

Acronym/Definition	Description
PT	Physical Therapy .
MVC	Model-View-Controller
OOP	Object Oriented Programming.
https	Hypertext Transfer Protocol Secure.

1.3 Project Scope

PT Project is a mobile application specifically designed to enhance the management of physical therapy services at the AAUP Physical Therapy Center. It simplifies appointment scheduling and enhances communication between patients and therapists. The program aims to improve patient outcomes by enabling personalized treatment plans and tracking progress with them. For healthcare professionals, it reduces administrative tasks, allowing more focus on quality care. From the center's point of view, it enhances operational efficiency, contributes to cost savings and increases patient satisfaction. The initial version includes features such as scheduling appointments, managing patient records, tracking patient referrals by specialists, and providing necessary patient tips and exercises. Future releases will include user feedback for continuous improvement.

1.4 References

- IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.
- Requirements: https://trello.com/b/3Sjvmxo7/i-train
- Diagrams were made using: https://app.diagrams.net/

1.5 Overview

The rest of this document is organized as follows:

- **The second section:** presentsa high-level overview of the product and the environment in which it will be used, the anticipated users, and known constraints, assumptions, and dependencies.
  The third section: illustrates the functional requirements for the product by system features, and the major services provided by the product.
  The fourth section: describes various aspects of the data that the system will consume as inputs or create as outputs.
  The fifth section: provides information to ensure that the system will communicate properly with users and with external software elements.
  The sixth section: describes the non-functional requirements of the system - quality attributes.

Overall Description

With the development of life and maintaining the use of traditional manual methods of paper registration, and with the increasing number of patients who are received daily at the physiotherapy center at the Arab American University, the process of registering patients, following up their condition and scheduling non-conflicting sessions has become a difficult process in the traditional way.

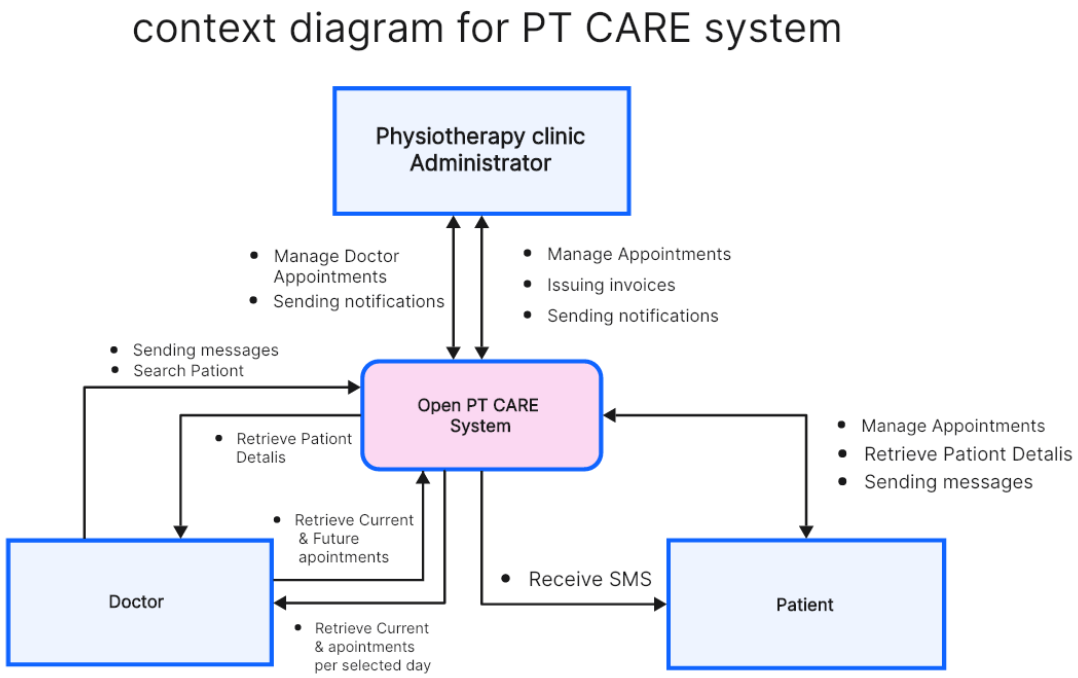
Our project is a physiotherapy center management system especially in the physiotherapy center at the Arab American University .Patients will be received and their data will be recorded in a special database where each patient will have his own unique number and a personal file and report on his therapeutic condition will be drawn up and updated after each session, the dates of the therapeutic sessions will be determined in a way that does not conflict with the appointments of the supervising doctor. Through the system, the patient's guardian is allowed to see the development in the case of his son and communicate directly with the supervising doctor, in addition to having a supplement to home exercise and his own alerts and revealing the dates of upcoming sessions.

2.1 Product Perspective

The system is a collection of characteristics from various clinic management systems, as it collects the specific characteristics of physical therapy patients and what is appropriate for the registration process.

In addition, it is supported by artificial intelligence technology to give suggestions for home exercises

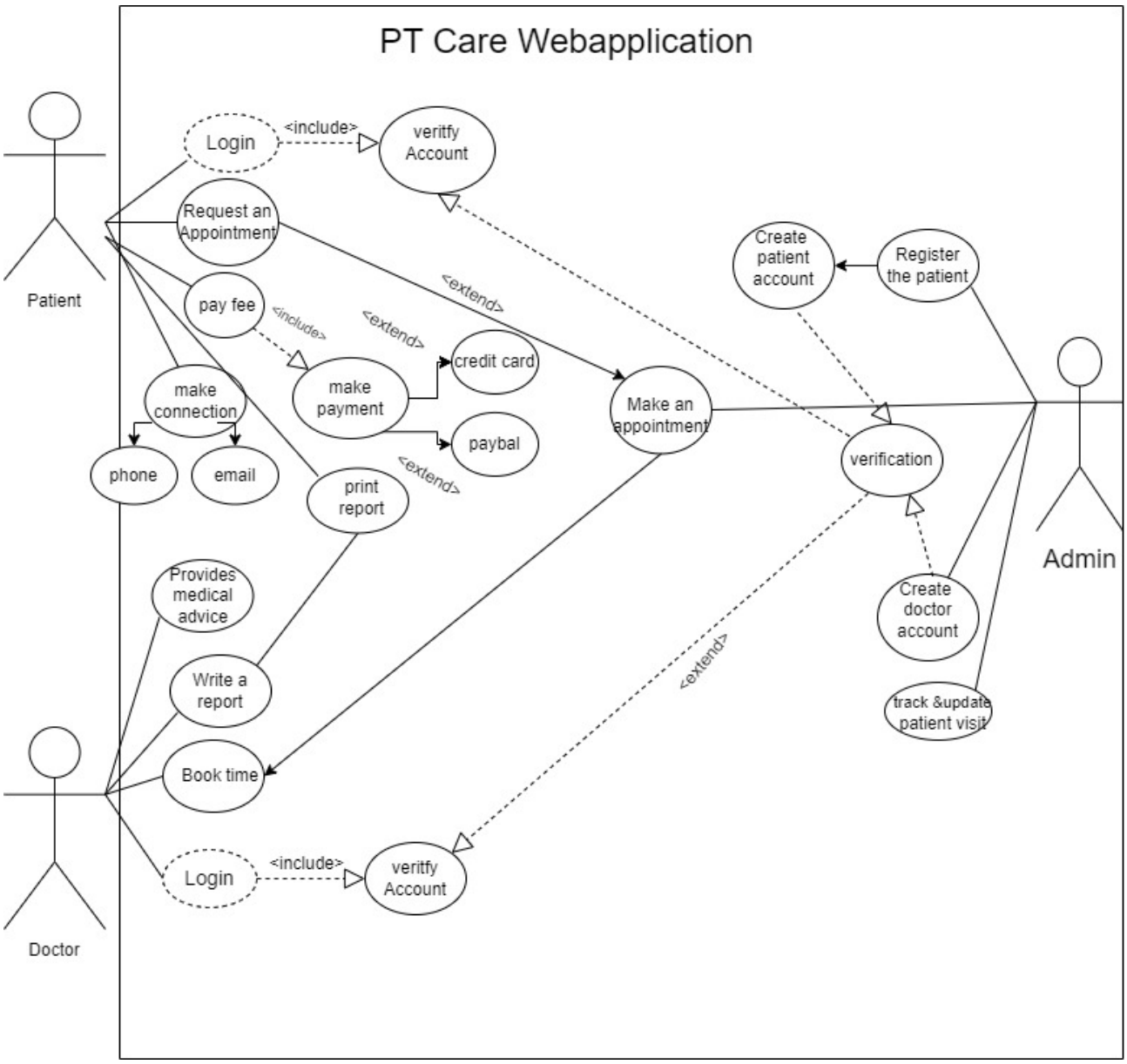
2.2 Product Functions



User interfaces:

- Doctor interface:
  The interface allows access to patients' information and treatment records, current and future appointments, and allows direct communication with the patient through the program. Doctor can request detailed reports on the patient's treatment condition .
- Admin interface:
  This interface allows the administrator to register new patients, coordinate appointments without conflict, and send messages to doctors and patients.
- Patient interface:
  The interface allows review of the patient's condition, upcoming appointments, and direct communication with the supervising physician, in addition to the AI feature that supports the provision of home exercises appropriate to the patient's condition.

For each medical condition, there are special home exercises. The artificial intelligence feature suggests appropriate exercises for the patient and tracks his treatment condition. This is not currently available in existing systems.
Below is a use case diagram that shows the most important features in the system.



2.3 User Classes and Characteristics

Classes of PT CARE system at AAUP Physiotherapy Centre:

- Appointments Class: Manage all the operations of Appointments.
- Patient Class: Manage all the operations of Patient.
- Doctors Class: Manage all the operations of Doctors.

Classes and their attributes of PT CARE system at AAUP Physiotherapy Centre:

• Appointments Attributes: appointment_id, appointment_doctor_id, appointment_number, appointment_type, appointment_date, appointment_description

• Patient Attributes: patient_id, patient_name, patient_mobile, patient_email, patient_username, patient_password, patient_address,patient_Last_visit,patient_Diagnosis

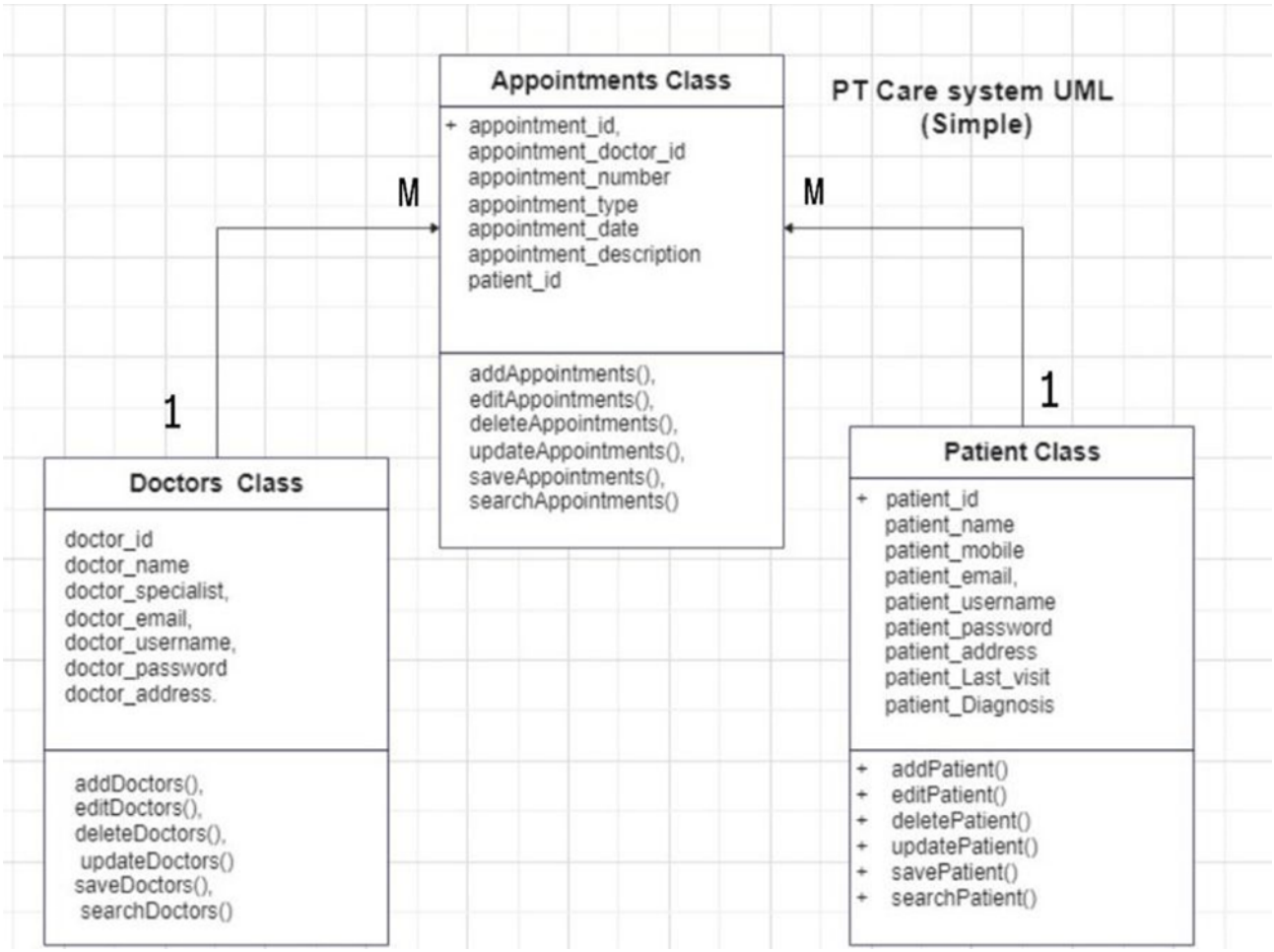
• Doctors Attributes: doctor_id, doctor_name, doctor_specialist, doctor_email, doctor_username, doctor_password, doctor_address.

Classes and their methods of PT CARE systemat AAUP Physiotherapy Centre:

• Patient Methods: addPatient(), editPatient(), deletePatient(), updatePatient(), savePatient(), searchPatient()

• Doctors Methods: addDoctors(), editDoctors(), deleteDoctors(), updateDoctors(), saveDoctors(), searchDoctors()

• Appointments Methods: addAppointments(), editAppointments(), deleteAppointments(), updateAppointments(), saveAppointments(), searchAppointments()



2.4 Operating Environment

OE-1	The app will integrate with the existing Electronic Health Record (EHR) system and communicate securely via email and messaging services
OE-2	The software will be compatible with popular operating systems such as iOS, Android, Windows, and macOS
OE-3	The software will operate on mobile devices such as smartphones and tablets, as well as on desktop computers or laptops.
OE-4	The Arab American University database and servers will be used
OE-5	The application must be accessible worldwide over the internet.

2.5 Design and Implementation Constraints

CO-1	The website design and code shall conform to the W3C standards

CO-2	The following frameworks must be used: React 18.2.0, Bootstrap 5.2.0, and Laravel 9.
CO-3	All HTML code shall conform to the HTML5
CO-4	All scripts shall be written in java

2.6 User Documentation

UD-1	User guides will provide step-by-step instructions and screenshots to help users understand the app's features, while the online help system will provide contextual assistance allowing users to find answers to their queries efficiently
UD-2	Interactive lessons will be available for hands-on learning. Documentation will be provided in PDF format, integrated into the application, or accessed through web-based

2.7 Assumptions and Dependencies

AS-1	This project will be useful and effective for doctors, administrators and patients, as they will have the knowledge and technical skills necessary to use the application effectively
DE-1	The project is dependent on the availability and cooperation of the AAUP Physiotherapy Center's staff, including doctors, administrators, and secretarial personnel, for requirements gathering, testing, and training
DE-2	The project relies on the timely provision of required data and resources from the Arab American University Physical Therapy Center, such as patient records, appointment schedules, and treatment instructions
DE-3	The functionality and effectiveness of a PT application may depend on the availability and stability of communication tools, databases, and artificial intelligence technologies

3. System Features (Functional Requirements)

3.1 Signup operation

3.1.1 Description

The registration feature allows new users, such as patients or employees, to create accounts within the physical therapy center management system. Users can enter their personal information, contact details and any relevant credentials to register to access the system's functionality.

3.1.2 Stimulus/Response Sequences

Stimulus:	The registration officer will go to the subscription page on the Physical Therapy Center's web application.
Response:	The system displays a subscription form with fields to enter personal information, contact details, and credentials.
Stimulus:	The user fills out the subscription form with his name, email address, password, and the rest of the required information.
Response:	The system verifies the validity of user inputs, and verifies the completeness and correctness of the information provided. If any errors are detected (for example, invalid email format, or password strength requirements not met), the system will display error messages next to the respective form fields to prompt the user to correct the errors.
Stimulus:	The user corrects any errors in the subscription form and resubmits the information
Response:	The system re-validates user input after submission. If all data entered is correct, the system will create a new user account and store the information provided securely in the database.
Stimulus:	The user receives a confirmation message indicating that the subscription and account creation has been successful
Response:	The system displays a confirmation message on the screen
Stimulus:	The user logs into the system using the credentials provided during registration.
Response:	The system verifies the user's credentials and grants access to system functions if authentication is successful.
Stimulus:	The user explores the features of the system and begins to use the available functions
Response:	The system responds to user actions accordingly, allowing users to interact with the system based on their assigned roles and permissions.

3.1.3 Functional Requirements

User registration	Users must create an account with name, password, email address and any other necessary data. To ensure that the information is accurate and complete, the system needs to verify the text used. If anything is found regarding the registration (such as incorrect email format or failure to meet password strength requirements), the system should clearly indicate a reason and ask the user to fix it.
Create an account	*Upon successful validation of user input, the system shall create a new user account and securely store the provided information in the database. Each user account must be assigned a unique identifier and linked to the profile information of the user in question.*
confirmation message	*After creating the account, the system should display a confirmation message to the user, acknowledging that the subscription was successful*
Error handling	*If errors occur during the registration process (for example, server errors, database connection problems), the system should display an appropriate error message to inform the user of the problem.* *Error messages should be clear, concise, easy to use, and provide instructions on how to proceed or who to contact for assistance.* *The system must handle expected error conditions gracefully, ensuring minimal disruption to the user experience and providing adequate support for error resolution.*

3.2 Book appointments

3.2.1 Description

The appointment booking feature allows patients to schedule appointments with the physical therapy center for their treatment sessions through the responsible employee. Can specify non-conflicting dates and times for doctor and center appointments and identify any additional requirements or preferences they may have.

3.2.2 Stimulus/Response Sequences

Stimulus:	The administrator goes to the appointment booking section on the physical therapy center's website.
Response:	The system displays an appointment booking interface with options to specify the desired appointment date, time, and treating physician
Stimulus:	The administrator selects the appropriate date and time without conflict from the available slots displayed in the calendar.
Response:	The system verifies the validity of the scheduled appointment slot to ensure its availability and compatibility with the patient's treatment plan. If the scheduled appointment is not available or conflicts with existing appointments, the system prompts the administrator to choose an alternative appointment.

Stimulus:	The administrator confirms the appointment details and provides any additional information or special requests.
Response:	The system records appointment details including the scheduled date and time, patient information, and any additional notes.
Stimulus:	The official submits the appointment request
Response:	The system succeeded in getting a clear message to the patient and the supervising specialist The system also sent an automated notification via email or SMS.
Stimulus:	The patient receives appointment confirmation and reviews the details.
Response:	The system ensures that appointment details are accurately transmitted to the patient, including date, time, location and any specific instructions or requirements.
Stimulus:	The patient arrives at the scheduled appointment on time.
Response:	The system checks the patient's attendance and updates the appointment status accordingly in the system database. If necessary, the system may send reminders or notifications to the patient before the appointment to reduce no-shows or cancellations.

3.2.3 Functional Requirements

Choose an appointment	The registration officer must be able to select the desired date and time for an appointment from the available slots displayed on the calendar. The system must ensure that the scheduled appointment is within the physical therapy center’s working hours and does not conflict with current appointments. If the specified period is not available or conflicts with existing appointments, the system should prompt the user to choose an alternative time.
Gather patient information:	The system must collect necessary patient information during the appointment booking process, including name, contact details and any relevant medical history or treatment preferences. Ensure that all required fields are clearly marked and verified to prevent incomplete submissions
Appointment confirmation	After the registration officer submits an appointment booking, the system must confirm the successful booking and provide a confirmation message to the patient and supervising physician The confirmation letter must include appointment details (date, time, location), patient information, and any specific instructions or requirements.

3.3 Providing home exercises

3.3.1 Description

The system shall facilitate the creation and delivery of tailored home exercise programs for patients within the physical therapy clinic, optimizing their rehabilitation journey and promoting continuity of care beyond clinic visits (Medium priority).

3.3.2 Stimulus/Response Sequences

Stimulus:	Therapist selects a patient from their list of assigned cases.
Response:	The system displays the patient's profile, including relevant medical history, assessment results, and current treatment plan.
Stimulus:	Therapist initiates the creation of a new home exercise program for the selected patient.
Response:	The system provides options for selecting exercises from the library, setting repetitions, duration, frequency.
Stimulus:	Therapist customizes the exercise program based on the patient's needs.
Response:	The system allows the therapist to save the customized program to the patient's profile for future reference.
Stimulus:	Therapist schedules the delivery of the exercise program to the patient.
Response:	The system sends notifications or reminders to the patient.
Stimulus:	Patient receives the notification and accesses the exercise program through their profile.
Response:	The system displays the exercise program with detailed instructions, images, and/or videos for each exercise, along with any additional information provided by the therapist.
Stimulus:	Patient completes the exercises and records their progress.
Response:	The system may prompt the patient for feedback on their experience, hard levels, or any difficulties encountered during the exercises.

3.3.3 Functional Requirements

Exercise Program Creation	Therapists can select exercises, set parameters, and customize instructions for tailored home exercise programs. Display error messages for invalid exercise selection or parameter inputs.
Exercise Library	The system maintains a library of exercises with detailed instructions. Display error message if exercise information is missing.
Patient access to exercise program	Patients can easily access their exercise programs through the patient portal.
Track progress and feedback	Patients can record their progress and provide feedback on exercises. Display an error message if data transmission fails; Require the user to try again or inform the wizard.
Processor review and adaptation	Therapists can review a patient's progress, make adjustments to programs, and provide feedback. Display an error message if data retrieval or modification fails; Ask the user to try again or inform the administrator.

3.4 Communicate and provide medical advice

3.4.1 Description

The system shall enable healthcare professionals to communicate effectively with patients, providing accurate medical advice, guidance, and support remotely, ensuring timely and comprehensive care delivery (Medium priority).

3.4.2 Stimulus/Response Sequences

Stimulus:	Healthcare professional initiates communication with a patient.
Response:	The system provides a secure communication channel to interact with the patient.
Stimulus:	Healthcare professional requests information or updates from the patient regarding their condition or treatment progress.
Response:	The system sends a notification or message to the patient.
Stimulus:	Patient responds with relevant information or updates..
Response:	The system delivers the patient's response to the healthcare professional securely and in real-time.
Stimulus:	Healthcare professional reviews the patient's information and provides medical advice .
Response:	The system facilitates the exchange of medical advice or guidance between the healthcare professional and the patient.

3.4.3 Functional Requirements

Patient Selection	The system shall allow therapists to select patients for communication and advice provision (TBD).
Secure Messaging	Therapists can securely communicate with patients through messages (TBD).
Access to Patient Information	Therapists can access relevant patient information such as medical history and current status.
Privacy and Confidentiality	The system shall ensure the privacy and confidentiality of patient information and communications.

3.5 The report request

3.5.1 Description

The report request process allows users to generate and receive various types of reports from the system. This feature has a high priority as it provides essential functionality for users to access important information and analyze data

3.5.2 Stimulus/response sequence

Stimulus:	User selects the "Reports" option from the user interface.
Response:	System displays a list of available report types.
Stimulus:	User selects a specific report type.
Response:	System prompts the user to enter any required parameters for the selected report
Stimulus:	User provides the necessary parameters
Response:	System validates the parameters and generates the report. -System presents the generated report to the user for review and download.

3.5.3 Functional requirements

user-friendly interface	The system shall provide a user-friendly interface to access the report request process
available report	The system shall display a clear and comprehensive list of available report types.
error messages	The system shall validate the user's input for report parameters and provide appropriate error messages if invalid or missing information is detected.
security	The system shall ensure the security and confidentiality of the generated reports, restricting access to authorized users only..
	The system shall generate accurate and up-to-date reports based on the selected report type and provided parameters

3.6 payment process

3.6.1 Description :

The payment process enables users to make payments for services offered by the physical therapy application

3.6.2 Stimulus/response sequence

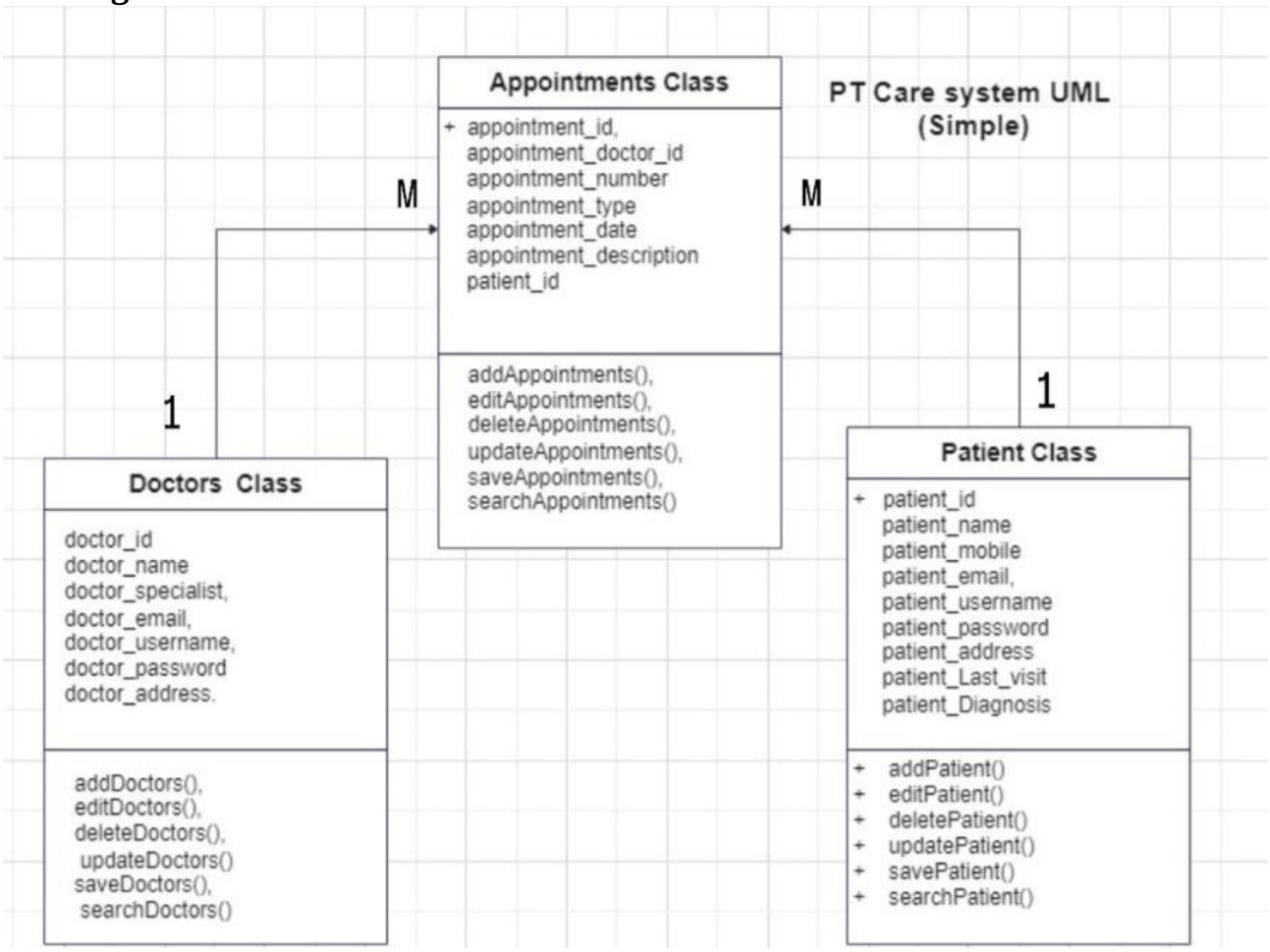
Stimulus:	User selects the "Make Payment" option from the user interface.
Response:	System presents the available payment methods (e.g., credit card, PayPal, bank transfer(
Stimulus:	-User selects the preferred payment method.
Response:	-System prompts the user to enter the necessary payment details (e.g., card number, billing address
Stimulus:	User provides the required payment information.
Response:	-System validates the payment information and processes the payment. System displays a confirmation message indicating the successful completion of the payment.

3.6.3 Functional requirements

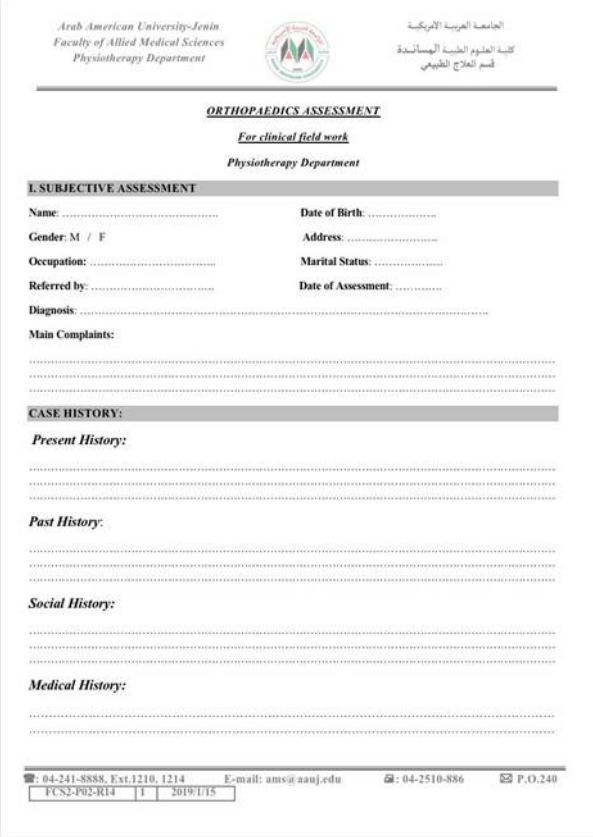
payment	The system shall provide a secure and reliable payment gateway to facilitate online transactions.
payment	-The system shall support multiple payment methods and allow users to choose their preferred option.
instructions and guidance	-- The system shall provide clear instructions and guidance to users during the payment process.
	-The system shall generate payment receipts or confirmation messages for successful transactions y..
errors or exceptions	-The system shall handle potential errors or exceptions during the payment process and provide informative error messages to users

4. Data Requirements

4.1 Logical Data Model



4.2 Reports The report mimics the principle of paper records



Arab American University-Jenin
Faculty of Allied Medical Sciences
Physiotherapy Department

الجامعة العربية الأمريكية
كلية العلوم الطبية المساندة
قسم العلاج الطبيعي

ORTHOPAEDICS ASSESSMENT

For clinical field work

Physiotherapy Department

I. SUBJECTIVE ASSESSMENT

Name: ..... **Date of Birth**: .....

Gender: M / F **Address**: .....

Occupation: ..... **Marital Status**: .....

Referred by: ..... **Date of Assessment**: .....

Diagnosis: .....

Main Complaints:

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CASE HISTORY:

Present History:

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Past History:

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Social History:

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Medical History:

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4.3 Data Acquisition, Integrity, Retention, and Disposal (Optional)

In the physiotherapy center management system at the Arab American University, patient data is stored in a specialized database. To maintain data integrity, the system employs techniques such as regular backups, data accuracy verification, access controls for authorized personnel, defined data retention policies, and proper data disposal methods.

5. External Interface Requirements

This section describes the expected interfaces and logical properties of this web application for organizing patient appointments and managing their data efficiently. The UI design aims to improve user experience, simplify workflow and ensure ease of navigation for healthcare professionals using this web application.

5.1 User Interfaces

This section describes the expected interfaces and logical properties of this web application for organizing patient appointments and managing their data efficiently. The UI design aims to improve user experience, simplify workflow and ensure ease of navigation for healthcare professionals using this web application.

Requirements that require a user interface in the application:

Main interface:

It is the welcoming interface of the webapplication, which displays the name of the application and information about thephysical therapy center at Arab American university.
In addition to the user guide, which provides clarification for the easy use of the site by everyone.
In addition, the site supports Arabic and English so that it is accessible to everyone.
The interface allows the user to log in, whether he is a former patient or a specialist doctor in the center.

The image below shows the expected design of the main interface.

Login interface:

This component facilitates user authentication and authorization, adds security to the system, and grants access to program features based on the user's roles and permissions, whether he is a doctor, patient, etc.

The login interface screen includes fields for “username”, “password”, a “login “button, as well as “Forgot password” and “Stay logged in” options. The image below shows the expected design of this interface.
1.

2.

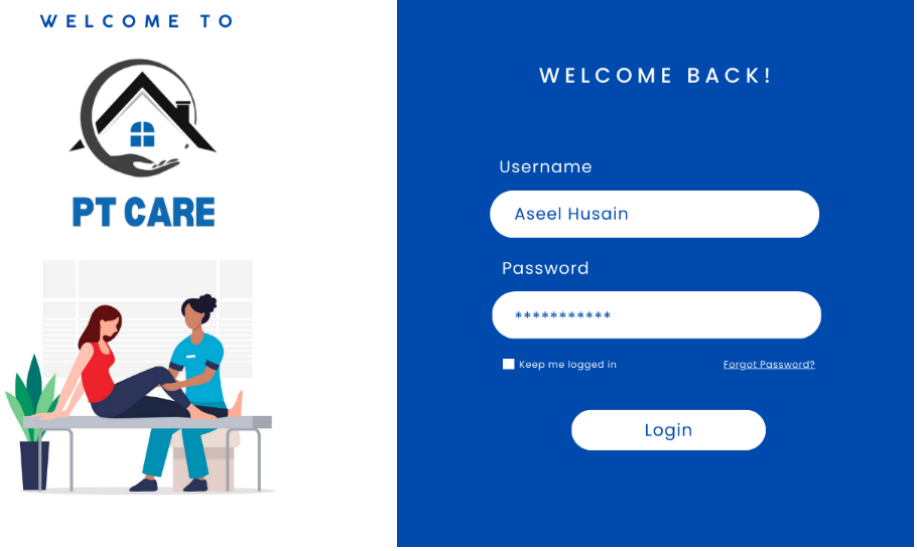


Figure 1Main interface

Figure 2 Login interface

One of the basic things in the interface are error messages, including:

- The user does not exist in the database
- The password is incorrect

The image below shows the expected design of one of these errors.

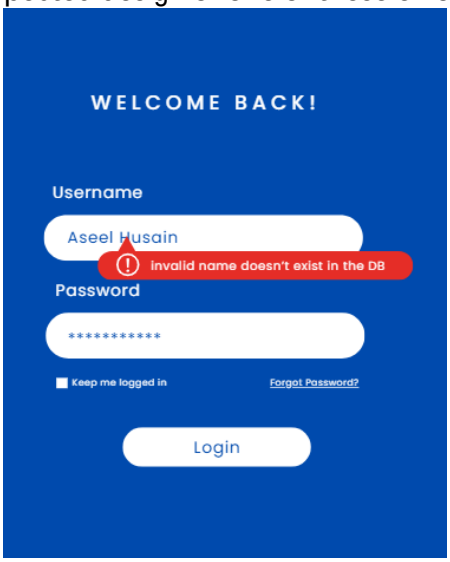


Figure 3 login error

3. Signup interface:

This interface allows the registration department administrator to register the new patient's data, as it provides the essential matters required to be filled out during the registration process, which were taken from the paper documents related to the registration process that are currently used in the center. The image below shows the expected part of design for signup process.

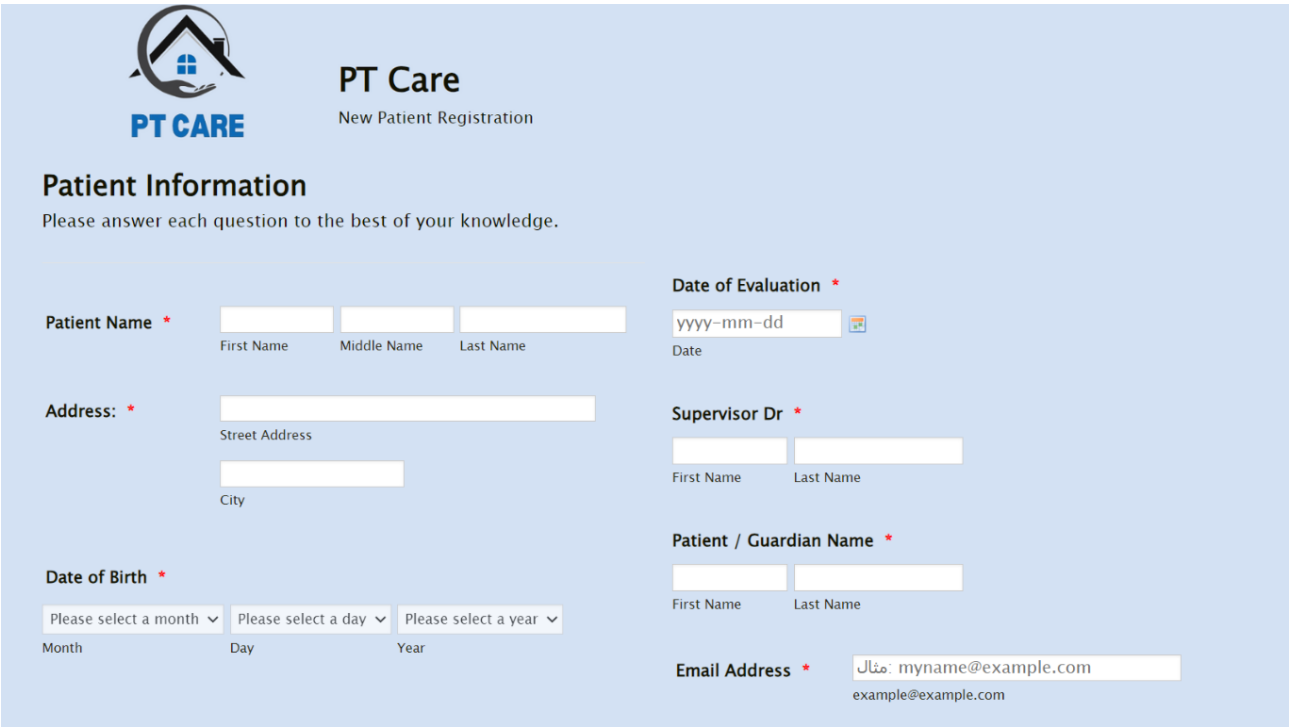


Figure 4 Signup

There is an inevitable necessity to register all data during the process of registering a new patient, so we add the mandatory entry, which appears in the image below.

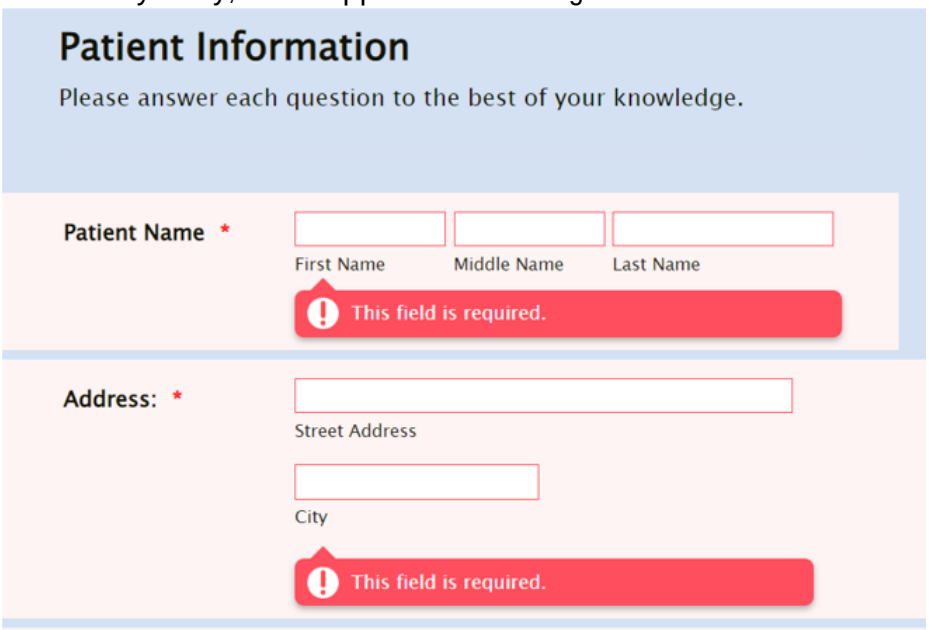


Figure 5

4. Patient interface

When the patient obtains the username and password, he can access his file from the login button, which in turn verifies the user and his restrictions and shows his interface.

The patient interface shows the following sections:

- **Personal information section**: which contains his name, age, name of the supervising physician, phone number, email, name of the diagnosis for his patient's condition, and the number of sessions he took.
- **Diagnostics section:**
  It displays a report on his patient's Diagnostics, which is updated after each session.
- **Appointments section:**
  Which displays a specific calendar with dates for sessions and their times.
- **Home exercises section:**
  It shows a suggestion for educational videos explaining how to do exercises at home.
- **Communication section:**
  It allows the patient to communicate with the supervising doctor or registration official by transferring him to the phone application to make a call or the email application to send an email or communicate via website messages.

The image below shows the expected design of this interface.

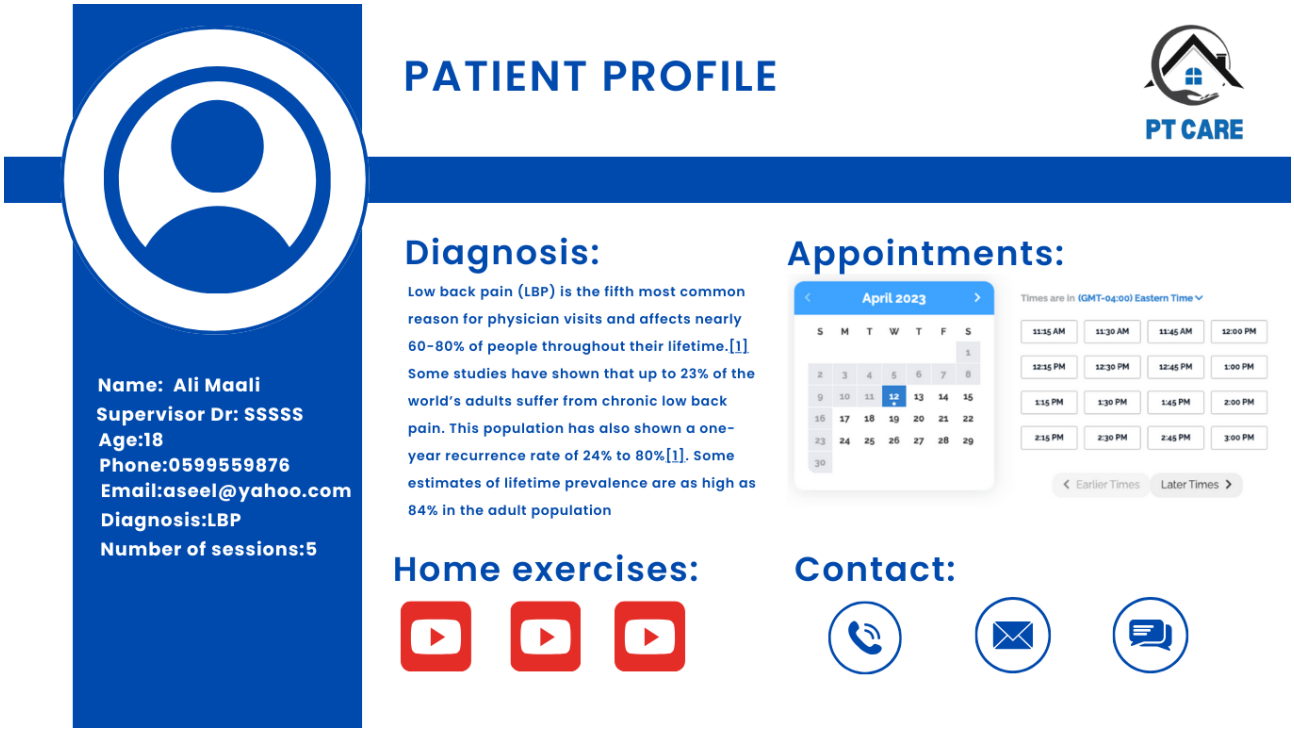


Figure 6 Patient interface

5. Doctor interface:

This interface displays the doctor's profile with several options, including:

1- **Home**: which shows the doctor's information
2- **Appointments**: It shows today's date and the number of appointments for today, in addition to a table with the names of patients and their appointments
3- **Messages**: which show messages sent and received between the doctor and patients, the doctor and other doctors, or the doctor with the registration official.
4- **Notifications:** The doctor receives any notification, whether from the registration official of the existence of a new appointment, for example, or a message
5- **Search**: which allows the doctor to search for patient records.

The image below shows the expected design of this interface.

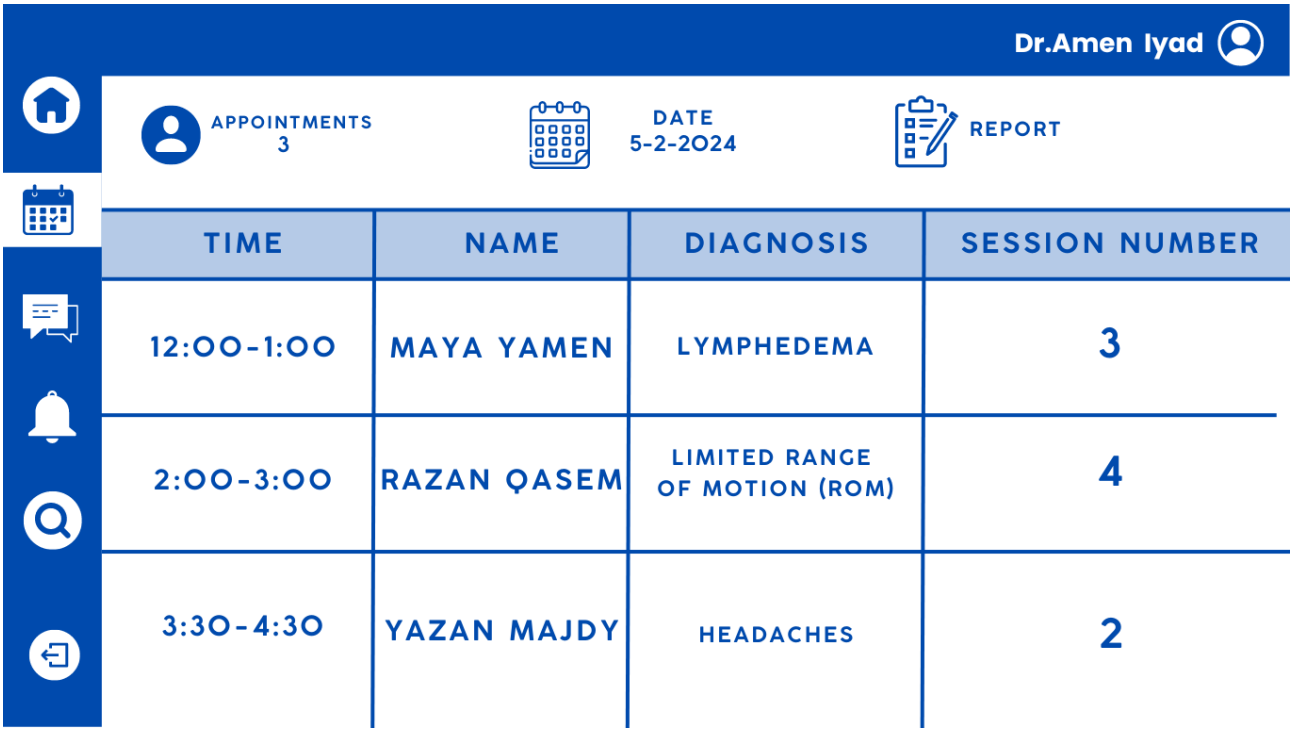


Figure 7Dr profile

5.1 Software Interfaces

There are some ready-made external applications that will be attached to the application, which are:

- **Communication and email system**:

Name and version: Microsoft Outlook (Outlook 365)
Objective: To facilitate communication between the physical therapy center and patients via email, providing appointment reminders, treatment updates, and other relevant information.
Contains formats and contents for data
exchange: plain text or HTML-based emails on treatment planning schedules and contact details

- **Telephone communication system**:
  Name and version: Phone application
  Purpose: To enable telephone communication between physical therapy center staff and patients for appointment scheduling, inquiries, and support.
- **Online Payment Gateway:**
  Name and version: PayPal Checkout (PayPal API v2)
  Harvest: Clear online payment for services provided by the physical therapy center, including requesting appointments and treatment fees.
  Contains formats containing exchange data: JSON or XML payloads that contain payment details such as technical college, payer information, and ideal status.
  For this reason and translations: Convert PayPal format data according to PayPal API specifications, including transport, format, and PCI-DSS standards.
  Non-Functional Requirements: Ensuring secure payment, faster transaction times, and compatibility with different payment methods.

5.2 Hardware Interfaces

- **User Interface (UI)**

Supported hardware components:Desktops, laptops, tablets and smartphones.
Data and control interactions: User input (e.g., keyboard, mouse, touch screen) interacts with the software to perform actions such as patient registration, appointment scheduling, and data entry.
Communication protocols:The user interface communicates with the software application via graphical user interface (GUI) libraries (for example, Qt and JavaFX) using standard protocols such as HTTP for web-based interfaces.

- **Database Management System (DBMS)**

Supported hardware components: Database servers.
Data and Control Interactions: The software interacts with a database management system to store, retrieve, and manage patient records, appointment schedules, and other data**.**
Communication protocols: The DBMS communicates with the software application using database communication protocols such as ODBC, JDBC, or the database vendor's native drivers (for example, MySQL Connector/J for MySQL).

6. Quality Attributes

6.1 Reliability &Correctness

In a physical therapy (PT) clinic, system reliability and Correctness are the highest priority to ensure accurate, real-time access to patient information, which directly impacts decision-making regarding the patient's condition. The system must maintain high standards of accuracy in data entry and provide therapists with reliable information to develop a treatment plan. Real-time access to up-to-date patient records is essential to support timely interventions.

R-1:	The system shall maintain a uptime of 99.9% availability, ensuring reliable access to services for users.
R-2:	The system shall provide accurate treatment recommendations and exercise programs with a correctness rate of 99.5%.

For example : By using the MVC architectural pattern, a clinic software application can achieve the reliability and validity necessary to support clinical workflows effectively, enhance patient care, and promote the delivery of high-quality rehabilitation services.

6.2 Performance

The database can accommodate a high number of users without any fault. With high-speed internet connectivity and super server the various operations should not take much time. Specify performance requirements for PT system operations, such as:

PE-1:	The system shall responds within 2 seconds for optimal user experience..
PE-2:	system Support concurrent access by at least 50 users without performance degradation.
PE-3:	Maintain average response time of less than 500 milliseconds for tasks like retrieving patient records..

6.3 Usability

Ensuring ease of use in your physical therapy (PT) clinic software application is critical to facilitating the efficient and effective delivery of patient care. The software should have characteristics such as ease of use, ease of learning, memorability, error avoidance and recovery, efficiency of interactions, accessibility, and ergonomics. Therefore, our application should contains an easy-to-use interface, as mentioned previously in prototype, and there is a guide for use when entering the site, which facilitates its use for technical and non-technical people and reminds them of how to use it even if it has not been used for a long time.

US-1:	Interactive elements within the system shall be responsive, with a maximum latency of 300 milliseconds.
US-2:	Accessibility features shall be incorporated, such as support for screen readers and keyboard navigation, to ensure usability for users with disabilities and promote inclusivity within the system.

6.4 Security

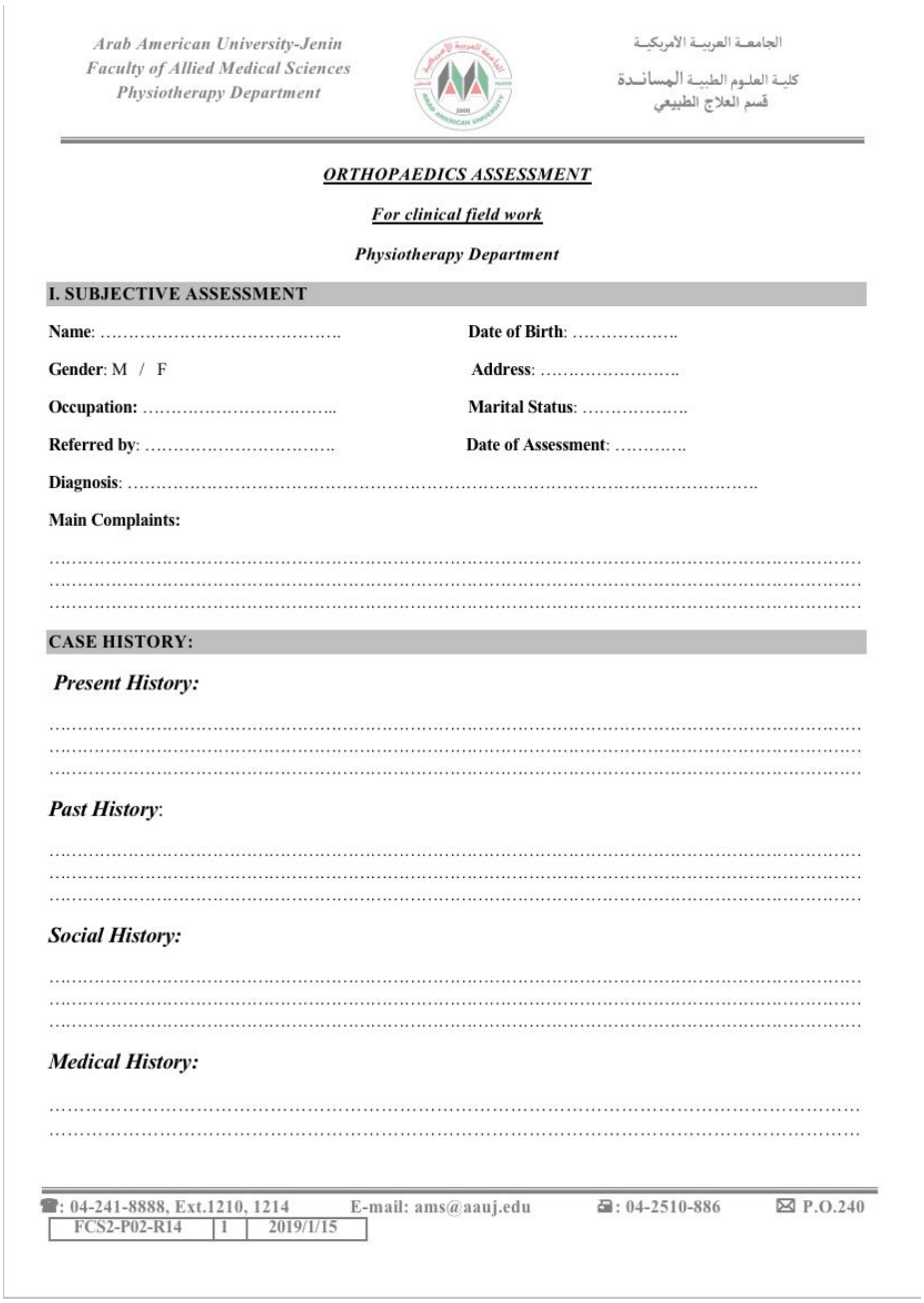
SE-1:	All network transactions that involve personal information shall be encrypted.
SE-2:	The system shall permit only the admin to add or edit options.
SE-3:	Protect data using a password
SE-4:	Protection can be provided through OOP, which guarantees the presence of private data.

6.5 Safety

The system will reflect its ability to operate, normally or abnormally, without harming the system environment. The system also provides a database state backup in case the primary database crashes or becomes corrupted. Use protocols such as https.

Appendix A: Glossary

An attachment to the paper file that is used to cover the patient's health condition



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قسم العلاج الطبيعي

ORTHOPAEDICS ASSESSMENT

For clinical field work

Physiotherapy Department

I. SUBJECTIVE ASSESSMENT

Name: …….. **Date of Birth**: ……..

Gender: M / F **Address**: ……..

Occupation: …….. **Marital Status**: ……..

Referred by: …….. **Date of Assessment**: ……..

Diagnosis: ……

Main Complaints:

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CASE HISTORY:

Present History:

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Past History:

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Social History:

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Medical History:

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☎: 04-241-8888, Ext.1210, 1214 E-mail: ams@aauj.edu 🖷: 04-2510-886 ✉ P.O.240

FCS2-P02-R14	1	2019/1/15

RADIOLOGICAL TESTS:

X- Rays:

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C T Scan:

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M.R.I:

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Others:

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II. OBJECTIVE EXAMINATION

General Observation:

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Local Inspection:

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Methods of Treatment:

Progress Notes:

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Home Program:

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Recommendations:

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Re- evaluation:

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Good Luck

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Methods of Treatment:

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Good Luck

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B- Deep sensation:

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7: Reflexes:

	Reflex	*Left*	*Right*
Superficial	Abdominal		
	Babinski		
Deep	Biceps		
	Brachioradialis		
	Triceps		
	Knee Jerk		
	Ankle Jerk		

8: Gait Analysis:

✓ Type of gait

Effects of Daily Living Activities (ADL):

RADIOLOGICAL TESTS:

X- Rays:

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C T Scan:

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M.R.I:

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Others:

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II. OBJECTIVE EXAMINATION

General Observation:

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Local Inspection:

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