

Graduation Project Documentation

2024

SUPERVISOR

DR.AHMED FATHY

TEAM MEMBERS

ZEYAD YASER

AMNAA MOHAMED

ABDELRAHMAN GAMAL

MALAK YAHYA

ALMOATASEM ALI



ECHO
MEDICAL
SYSTEM

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PREFACE

PREFACE :

ON BEHALF OF THE ECHO TEAM,

**WE WOULD LIKE TO EXPRESS OUR SINCERE THANKS AND APPRECIATION TO
DR. AHMED FATHI, A TEACHING ASSISTANT IN THE INFORMATION
TECHNOLOGY DEPARTMENT AT BENI SUEF UNIVERSITY OF TECHNOLOGY,**

**FOR HIS VALUABLE CONTRIBUTIONS TO OUR PROJECT
(A GROUP OF MEDICAL CLINICS MANAGEMENT PROJECT).**

**DR. AHMED FATHI WAS OUR GUIDE AND SUPPORTER DURING THE RESEARCH
JOURNEY, AND WE SHARED HIS EFFORTS AMONG US REGARDING THE BEST
WAYS TO COMPLETE THE PROJECT.**

**WE WOULD ALSO LIKE TO THANK DR. AHMED TARIK, DIRECTOR OF THE
AL3YADA GROUP,**

**FOR HELPING US TO RUN OUR PROJECT ON REAL AND TO ENCOUNTER LIVE
EXAMPLES OF THE PROBLEMS FACED BY PATIENTS THAT WE TRIED HARD TO
SOLVE WITH THIS IDEA.**

INTRODUCTION

**WHILE WE WERE IN THE MEDICAL FACILITIES, WE FACED A PROBLEM THAT
REPRESENTED A MAJOR DISASTER
AND IT'S WAITING**

**IF THERE IS A PAIETNT CANNOT WAIT
EVEN IF IT IS POSSIBLE, CROWDING IS ALWAYS A PROBLEM**

**BECAUSE IT IS THE BEST ENVIRONMENT FOR THE TRANSMISSION
AND SPREAD OF DISEASES**

**THEREFORE, THIS REPRESENTS A DISASTER BECAUSE TRANSMITTED
DISEASES FAVOR CROWDING AND HUMAN GATHERINGS**

**THEREFORE, IT IS NEVER PREFERABLE TO CROWD INSIDE HOSPITALS BECAUSE
HOSPITALS ARE CONSIDERED THE PREFERRED HOME FOR DISEASES, EVEN IF THE
DISEASES SPREAD AND BEGIN TO EXPAND, AS HAPPENED IN THE PERIOD BETWEEN
2019 TO 2021 IN THE PERIOD OF COVID-19 AND THE CURFEW THAT OCCURRED AND
THE CESSATION OF ALL LIFESTYLES.**

**SO WE THOUGHT OF AN IDEA THAT WOULD TRY TO ORGANIZE THE BOOKING AND
MANAGEMENT PROCESS BY USING WEB APPLECATION
FROM HERE CAME THE IDEA [ECHO SYSTEM](#)**



PROJECT **MANAGEMENT**

PROJECT MANAGEMENT IS CONSIDERED ONE OF THE MOST DIFFICULT STEPS TAKEN DURING THE IMPLEMENTATION OF OUR PROJECT

RECENTLY, WE HELD A NUMBER OF MEETINGS TO TAKE DECISIONS AND IMPLEMENT THE PROJECT IN THE BEST AND MOST APPROPRIATE WAY TO FACILITATE THE RESERVATION AND INSPECTION PROCESS

DURING THE MEETINGS, WE DOCUMENTED THIS DEVELOPMENT

Date	Feb 4, 2024	Time	011:00 PM to 1:00 PM. Bani Suif Time (Duration: 120 m)
No.	1		
Attendees	Zeyad Abdelrahman Moatasem Malak Amnaa	Place	Meeting at Google Meet
Project Name	Hospital Management System	Project Description	Mange hospital

Meeting Minutes

	Item
1	We discussed the idea and agreed on it after research
2	Talk about each team member's role
3	Talk about the technologies used in the project
5	
6	

Actions

	Actions	Actors
1	We agreed on the idea	Team
2	We started searching for a design for the idea	Team
3		

ALL MEETINGS [HERE](#)

PROJECT PLAN:-

THE PROJECT PROVIDES INTEGRATION BETWEEN THE MANAGEMENT SYSTEM AND ORGANIZING RESERVATIONS AND PATIENT REPORTS

THIS MAKES IT EASIER FOR BOTH THE PATIENT, THE MEDICAL ORGANIZATION OWNER , AND THE DOCTOR

CERTAINLY, THE ORGANIZATION'S EMPLOYEES DEAL WITH THE SYSTEM AND ARE ALL ABLE TO REACH THEIR GOALS

PROJECT PLANS CONTAIN

1- PROJECT PURPOSE

2- PROJECT OBJECTIVES

PROJECT PURPOSE

PATIENT COMFORT IS THE GOAL OF ANY SUCCESSFUL MEDICAL ORGANIZATION THEREFORE, IN OUR PROJECT, OUR FIRST AND MOST IMPORTANT PURPOSE IS TO FACILITATE THE MEDICAL PROCESS IN ALL ITS STAGES FOR THE PATIENT,

FROM THE BEGINNING OF BOOKING

TO RECEIVING THE EXAMINATION AND TREATMENT REPORT.

OUR PROJECT IS CONSIDERED AN EFFECTIVE WAY TO ORGANIZE APPOINTMENTS AND RESERVATIONS AND AUTOMATE THE PATIENT'S SICK RECORD SO THAT HE CAN ACCESS HIS MEDICAL RECORD THROUGH OUR WEBSITE.

PROJECT OBJECTIVES

WE AIM TO MEET THE NEEDS OF PATIENTS BECAUSE THEY NEED SERVICE THEREFORE, WE FOCUSED ON THE FACT THAT THE PATIENT CAN BOOK FROM HIS HOME AND IS FULLY GUARANTEED THAT HE WILL NOT SUFFER FROM CROWDING WHILE WAITING FOR THE RESERVATION.

ALSO PATIENT CAN:-

- BOOKING FROM HIS HOME ON ANY CONVENIENT DATE
- KNOWING THE STATUS OF THE RESERVATION, WHETHER IT HAS BEEN CANCELLED, AWAITING, OR AN EXAMINATION HAS BEEN PERFORMED
- FOLLOW UP ON THE INSPECTION REPORT
- POSSIBILITY OF PRINTING IT
- AVAILABILITY OF A COMPLETE PATIENT RECORD THAT CAN BE EASILY ACCESSED THROUGH AN EASY-TO-ACCESS USER INTERFACE
- WE ALSO TOOK THE DOCTOR INTO CONSIDERATION AND MADE THE PROCESS OF WRITING THE REPORT EASY FOR HIM, SO HE CAN WRITE THE REPORT ON THE SYSTEM ITSELF

Doctor Name	Doctor status
DR / Mostafa Hassan	'ON'
DR / Ahmed Fathy	'ON'
DR / Bassem Hassan	'ON'
DR / Ahmed Okasha	'ON'
DR / Hamada Saad	'OFF'
DR / Nabil Laz	'OFF'
DR / Ibrahim Ramy	'OFF'

ACTIVE DOCTORS

REPORT



ECHO Medical Report

Patient Report

ID	Patient Name	Reservation Date	Doctor	Reservation
271	Zeyad Yasser	2024-06-06	DR / Ahmed Fathy	Cardiology

Treatment:

The Treatment Has Not Been Written Yet

Report:

The Report Has Not Been Written Yet

WE ALSO FACILITATED THE MANAGEMENT PROCESS WITHIN THE ORGANIZATION

WHERE THE OWNER CAN: -

- MONITORS DAILY RESERVATIONS**
- MONITORS ACTIVE EMPLOYEES ON THE SYSTEM**
- ACTIVE DOCTORS MONITOR**
- FOLLOWS UP ON THE FINANCIAL PROCESS IN DETAIL**
- HE CAN ADD (NEW DOCTORS / NEW EMPLOYEES AND GIVE THEM PERMISSIONS/ NEW SPECIALTIES)**

User Name	Log Statue
Zeyad Yaser	'ON'
Admin	'ON'
amna mohamed	'ON'
abdelrahman gamal	'OFF'
almoatasem ali	'ON'
malak yahya	'ON'

USERS STATUES

Add New Doctor

specialization
Select specialization

Doctor name
DR /

Appointment price

Email

Password

Add Doctor

ADD DOCTORS

METHODS AND TOOLS

DURING OUR INTERACTIONS WITH MEDICAL FACILITIES, WE NOTICED PROBLEMS OF CROWDING AND LACK OF ORGANIZATION IN RESERVATIONS AND APPOINTMENTS FOR PATIENTS AND DOCTORS.

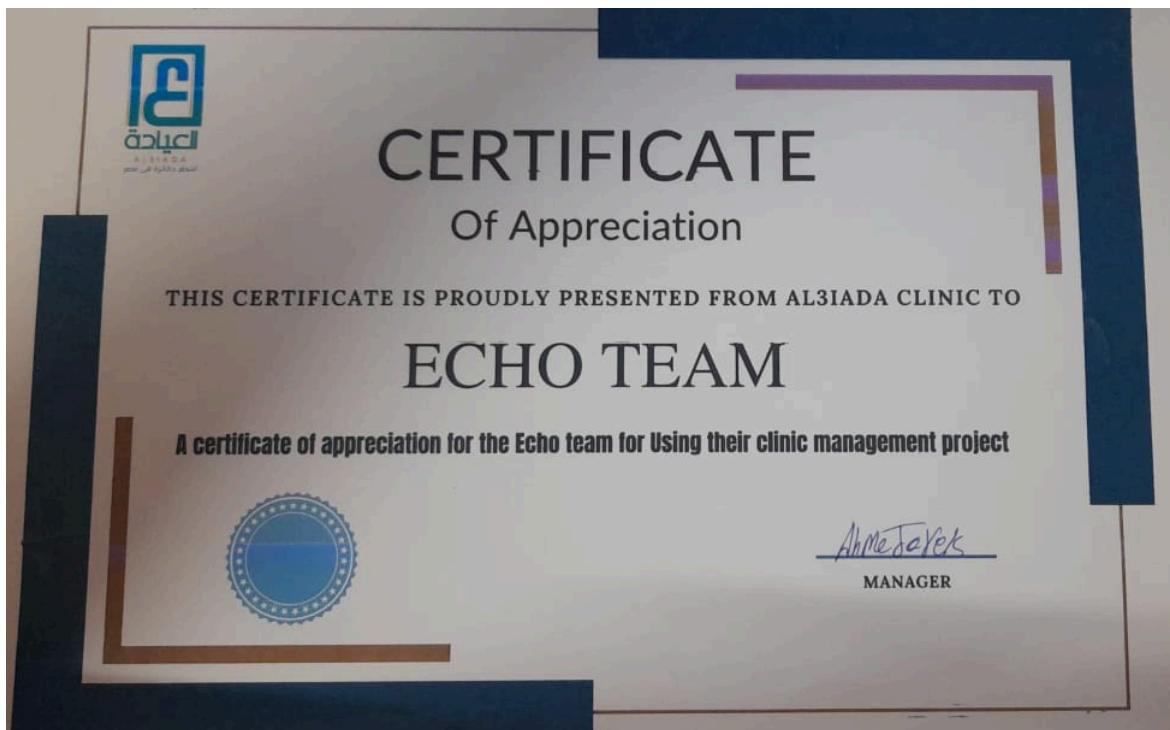
AFTER IMPLEMENTING OUR PROJECT, WE TRIED HARD TO USE IT AS A BASIC SYSTEM IN A SPECIFIC ORGANIZATION

THE GAMMA RADIOLOGY CENTER ALSO HELPED US OBTAIN SOME MEDICAL REPORTS AND SUPPORTED US IN MONITORING THE RECURRING PROBLEMS FACING PATIENTS.

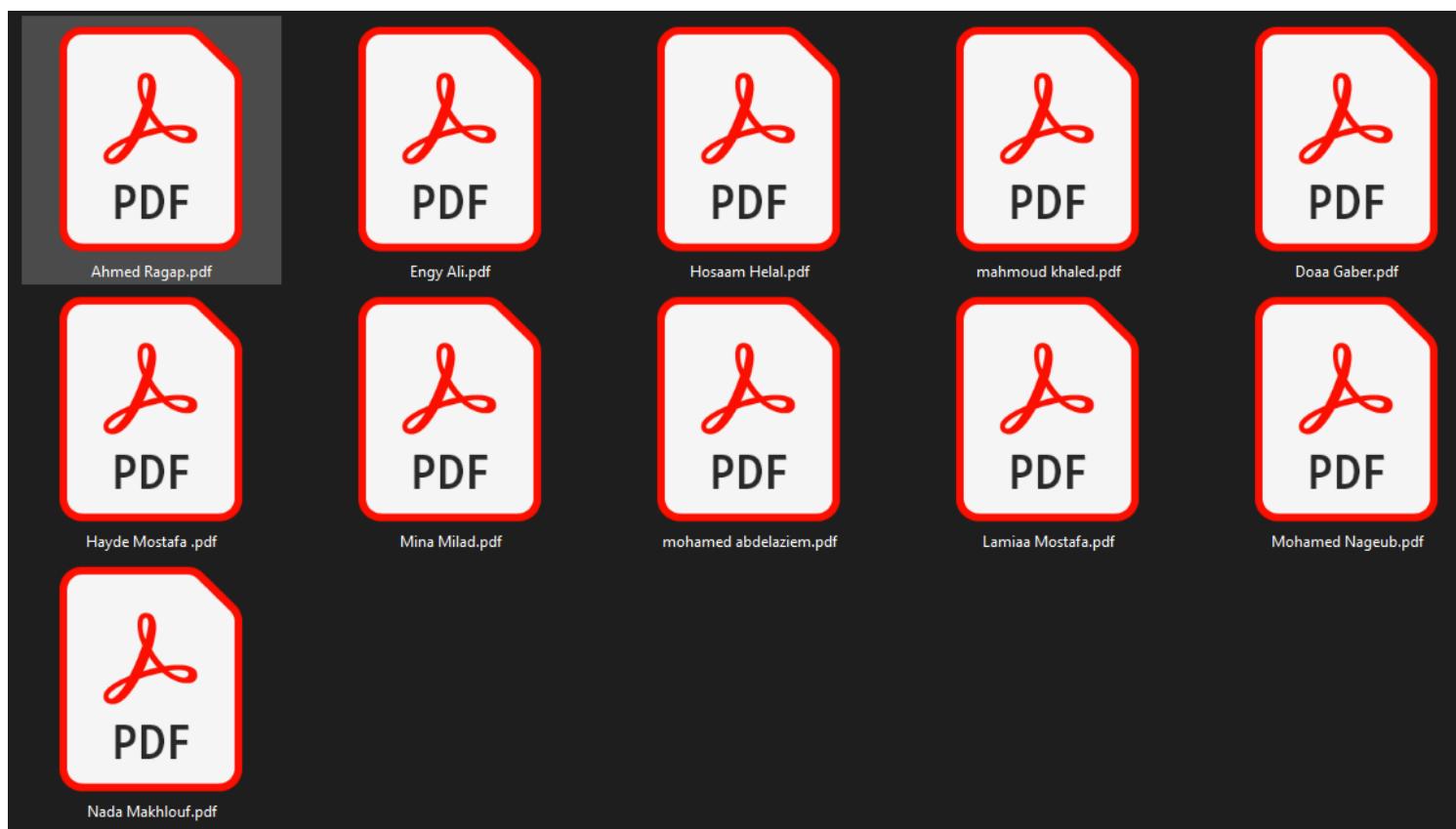
WE CONTACTED THE DIRECTOR OF THE AL3YADA GROUP AND HE APPROVED OUR REQUEST TO ACTIVATE OUR PROJECT FOR TWO MONTHS IN HIS MEDICAL CENTER.

AT THE END OF THE TWO MONTHS, HE HONORED THE ECO TEAM WITH A CERTIFICATE OF APPRECIATION AS AN EXPRESSION OF THE PROJECT'S EFFECTIVENESS





THIS ARE SOME OF THE REPORTS THAT WERE RECORDED ON OUR SYSTEM BY THE CLINIC AL3YADA DOCTORS





ECHO Medical Report

Patient Report

ID	Patient Name	Reservation Date	Doctor	Reservation
279	Mohamed Abdelazim	2024-06-07	DR / Ahmed Fathy	Cardiology

Treatment:

Treatment Plan

1. "Medical Management:"

- "Antiplatelet Therapy:" Aspirin 81 mg daily.

Scan:

Diagnostic Tests

- "Electrocardiogram (ECG):" Showed signs of ischemia with ST segment depression in the anterior leads.
- "Echocardiogram:" Normal left ventricular function with no significant valvular abnormalities.
- "Stress Test:" Positive for inducible ischemia with chest pain and ECG changes during exercise.
- "Coronary Angiography:" Revealed a 70% stenosis in the left anterior descending (LAD) artery.

Report:

Physical Examination

- "General Appearance:" Patient appears well-nourished and in no acute distress.
- "Vital Signs:"
 - Temperature: 36.8°C (98.2°F)

USED PROGRAMMING LANGUAGES AND FRAMEWORKS.

AFTER SEARCHING FOR THE BEST METHODS THAT CAN BE USED TO IMPLEMENT THE IDEA IN THE BEST WAY AND WORK EFFECTIVELY, WE USED SOME PROGRAMMING LANGUAGES AND FRAMEWORKS.

IN DEVELOPING THE FRONT-END WE USED:



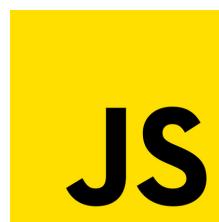
HTML



CSS



TAILWIND

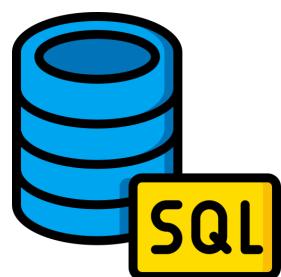


JAVA SCRIPT

IN DEVELOPING THE FRONT-END WE USED:



PHP



SQL DATABASE

UI DESIGN

UI / UX

THE TECHNICAL DESIGN OF OUR MEDICAL CLINIC MANAGEMENT SYSTEM IS CRAFTED TO ENSURE SCALABILITY, RELIABILITY, AND EASE OF USE.

THIS DESIGN FOCUSES ON INTEGRATING VARIOUS COMPONENTS SEAMLESSLY TO DELIVER A COMPREHENSIVE SOLUTION FOR MANAGING MEDICAL CLINICS.

WE USED A SIMPLE AND EYE-FRIENDLY USER INTERFACE TO FACILITATE USE AND SUPERVISION OF THE ORGANIZATION IN TERMS OF MANAGEMENT AND ORGANIZATION.

FROM THE PATIENT'S PERSPECTIVE, IT FACILITATES THE RESERVATION PROCESS, VIEWING AND PRINTING REPORTS, FOLLOWING UP ON RESERVATIONS, AND ACCESSING HIS SICK RECORD.

IN THE ECHO SYSTEM, WE TARGETED 5 USERS:

- THE PATIENT**
- THE DOCTOR**
- DIRECTOR OF THE ORGANIZATION**
- ADMINISTRATIVE DIRECTORS**
- EMPLOYEES**

IDENTITY

LOGO



Color Palette

#433DFF

#EEEEEE

#378CE7

#000000

#1F2937

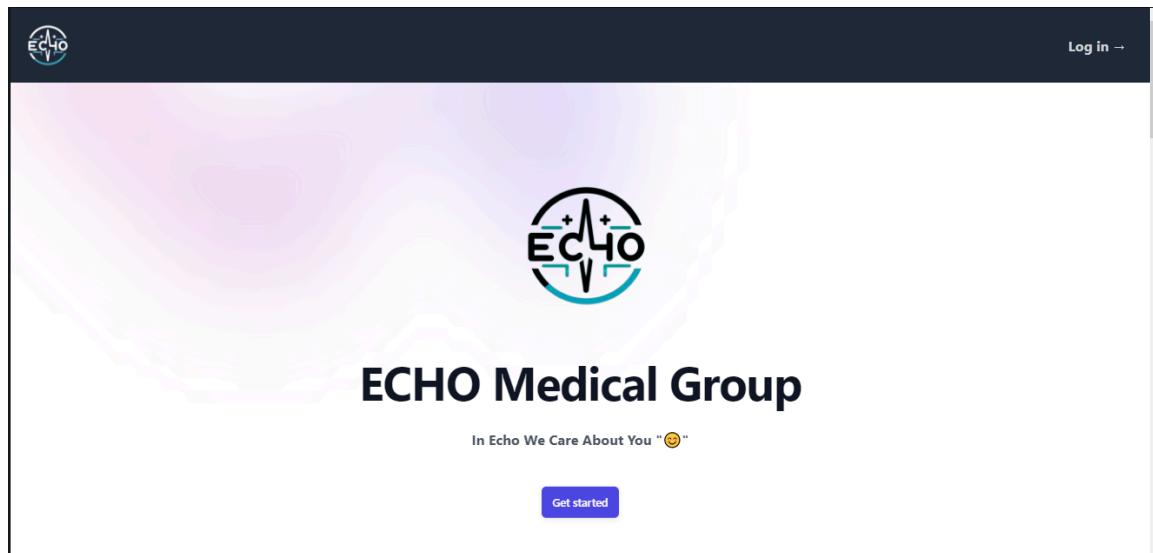
#111827

#374151

#DCF1FF

Patient UI

WHEN THE PATIENT FIRST ENTERS THE SYSTEM, A PAGE APPEARS THAT CONTAINS SOME INFORMATION ABOUT THE PLACE, SOME FEATURES, AND HOW TO COMMUNICATE



About Us



About Us

Welcome to ECHO, where your health and well-being are our top priorities. Our team of experienced healthcare professionals and medical writers work tirelessly to ensure that the content we provide is accurate, easy to understand, and relevant to your needs.

[Book now](#)



Explore Some Of Our Main Service

If you are looking for information on specific conditions, tips for maintaining a healthy lifestyle, or the latest in medical research, you can trust us to be your go-to resource. At ECHO, we believe that everyone deserves access to high-quality healthcare information, and we are committed to empowering you on your journey to better health..

Cardiology

Cardiology focuses on diagnosing and treating heart ailments like arrhythmias and congenital defects. It utilizes tools like ECGs to assess heart health and guide treatment plans.

Oncologist

An oncologist is a medical doctor specializing in cancer care. They guide patients through diagnosis, treatment, and post-treatment care, working with a team to create personalized plans. In essence, oncologists are cancer specialists who oversee all aspects of a patient's care.

Plastic surgery

Plastic surgery tackles both cosmetic and medical concerns. It uses a blend of artistry and medical knowledge to reconstruct, repair, or improve physical appearance and function...

Eye Care

Your trusted partner in eye care! We offer comprehensive resources & expert advice to keep your vision healthy.

Neurology

Neurology is the medical field for nervous system disorders like epilepsy and migraines. Neurologists use expertise and research to improve patients' lives.

Pediatric specialist

Board-certified pediatricians at your practice offer compassionate care for infants, children, and adolescents. They address everything from routine check-ups to complex conditions, ensuring your child's optimal health in a supportive environment.



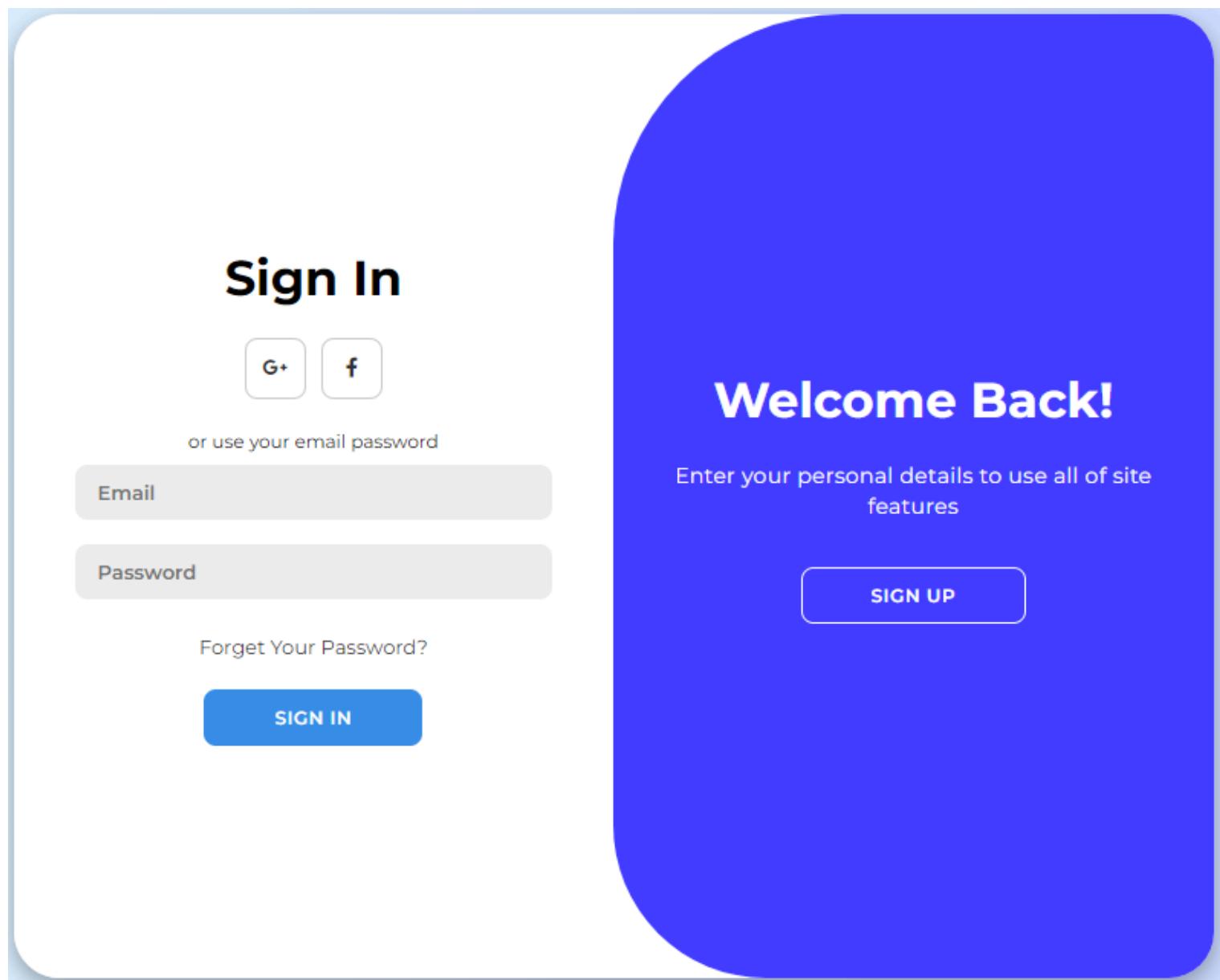
Trusted by the world's most innovative teams



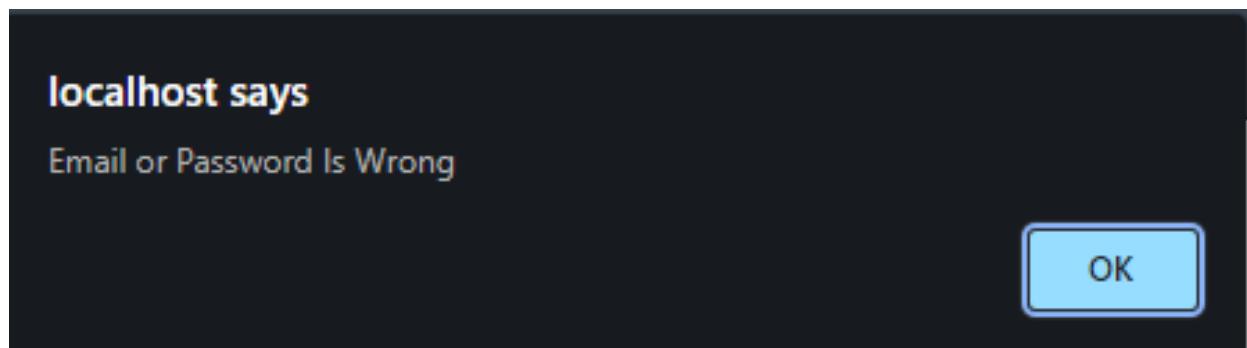
SIGN IN PAGE

TO LOG IN WHEN USER ALREADY HAVA AN ACCOUNT

ASK HIM FOR ENTER AN EMAIL AND PASSWORD



IF THE PASSWORD IS INCORRECT, A WARNING WILL APPEAR STATING THAT IT IS AN ERROR AND THEN IT WILL BE REDIRECTED TO THE REGISTRATION PAGE

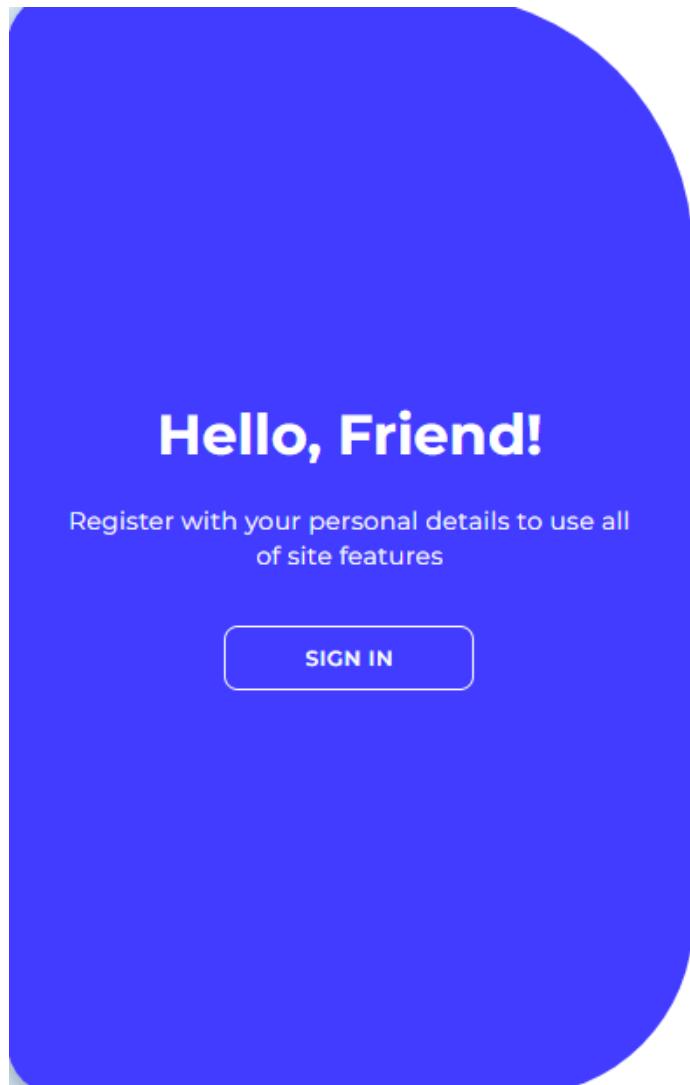


SIGN UP PAGE

TO CREATE ACCOUNT WHEN USER DOES NOT HAVE AN ACCOUNT

ASK HIM FOR ENTER AN

- PATIENT NAME
- PATIENT PHONE NUMBER
- EMAIL
- PASSWORD -> STRONG PASSWORD
- CONFIRM PASSWORD



Hello, Friend!

Register with your personal details to use all of site features

[SIGN IN](#)

Create Account



or use your email for registration

Patient Name

Phone Number

Email

Password

Confirm Password

[SIGN UP](#)

IF THE PASSWORD DOES NOT MEET REXG STANDARDS SHOW HIM INSTRUCTIONS

....

The password must contain at least :
one uppercase letter,
one lowercase letter,
one number,
and one spesial character.

ALSO, IF THE PASSWORD CONFIRMATION DOES NOT MATCH THE PASSWORD, AN ERROR APPEARS

....|

Passwords Do Not Match!

AFTER LOGGING IN, THE USER IS DIRECTED TO HIS [DASHBOARD PANEL](#), WHERE A VISUAL SUMMARY OF :

- RESERVATIONS,**
- ACTIVE RESERVATIONS,**
- CANCELED RESERVATIONS,**
- THE TOTAL PAID,**
- AND THE NUMBER OF TOTAL RESERVATIONS .**

The screenshot shows the ECHO dashboard interface. At the top, there is a navigation bar with icons for Echo, Dashboard, New Reservation, Calendar, Medical-Record, a bell通知, and a user profile. Below the navigation bar, the word "Dashboard" is displayed in bold. The main area contains six cards arranged in a grid:

- Today Reservations**: Represented by a calendar icon with a checkmark. Value: [1]
- Active Reservations**: Represented by a person icon with a checkmark. Value: [0]
- canceled Reservations**: Represented by a person icon with a crossed-out checkmark. Value: [0]
- Done Reservations**: Represented by a calendar icon with a blue checkmark. Value: [1]
- Total Payments**: Represented by a hand holding coins icon. Value: [25]
- Total Reservations**: Represented by a group of people icon. Value: [6]

THE RESERVATIONS PAGE

THE PATIENT CAN :

- **CHOOSE THE SPECIALTY**
- **DOCTORS IN THE SPECIALTY CHOSEN BY THE PATIENT ARE AUTOMATICALLY SHOWN TO HIM**
- **THEN THE PRICE OF THE EXAMINATION APPEARS BASED ON THE DOCTOR'S CHOICE**
- **THE PATIENT HAS COMPLETE FREEDOM TO CHOOSE THE DAY OF THE EXAMINATION**

specialization

Cardiology

Doctor

DR / Ahmed Fathy

price

15

Date

06/07/2024



Time

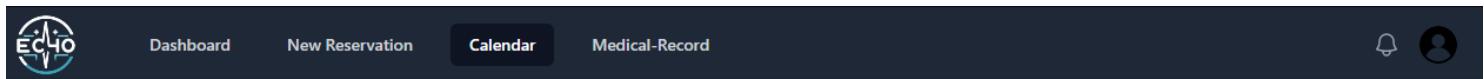
02:06:34 PM

Save

AUTOMATICALLY, ON THE RESERVATIONS PAGE, THE PATIENT IS SHOWN THE RESERVATIONS FOR THE CURRENT DAY ONLY

- **HE CAN CANCEL THE RESERVATION**
- **HE MONITORS THE RESERVATION STATUS**

IF THE DOCTOR WRITES THE RESERVATION REPORT, THE VALUE OF THE RESERVATION STATUS BECOMES COMPLETED



Calendar

Dr Name	Reservations	Reservations Date	Date	Paid	Status	Cancel
DR / Ahmed Fathy	Cardiology	2024-06-07	2024-06-07 15:36:33	15	<button>Active</button>	<button>cancel</button>
DR / Nabila Laz	orthopedics	2024-06-07	2024-06-07 02:52:41	25	<button>Done</button>	<button>cancel</button>

THE MEDICAL RECORD PAGE

THE PATIENT CAN ACCESS

- ALL PREVIOUS RESERVATIONS HE MADE ON THE ECHO SYSTEM
- HE CAN ALSO PRINT THE DOCTOR'S REPORT AND ACCESS IT AT ANY TIME
- HE CAN ALSO SEARCH DURING A SPECIFIC PERIOD FOR SPECIFIC TESTS THAT HE PERFORMED DURING THIS PERIOD

Medical-Record

Dr Name	Reservations	Reservations Date	Date	Paid	Status	Cancel
DR / Ahmed Fathy	Cardiology	2024-06-07	2024-06-07 15:36:33	15	<button>Active</button>	<button>View</button>
DR / Nabila Laz	orthopedics	2024-06-06	2024-06-07 03:04:27	25	<button>Done</button>	<button>View</button>
DR / Nabila Laz	orthopedics	2024-06-07	2024-06-07 02:52:41	25	<button>Done</button>	<button>View</button>
DR / Ahmed Fathy	Cardiology	2024-06-06	2024-06-06 17:13:41	15	<button>Done</button>	<button>View</button>
DR / Ahmed Hassan	Oncologist	2024-06-06	2024-06-02 01:49:31	650	<button>Done</button>	<button>View</button>
DR / Ibrahem Ramy	plastic surgery	2024-06-02	2024-06-02 01:26:44	25	<button>Done</button>	<button>View</button>
DR / Ahmed Fathy	Cardiology	2024-06-02	2024-06-01 00:02:38	15	<button>Done</button>	<button>View</button>

Report



ECHO Medical Report

Patient Report

ID	Patient Name	Reservation Date	Doctor	Reservation
280	Zeyad Yasser	2024-06-07	DR / Ahmed Fathy	Cardiology

Treatment:

The Treatment Has Not Been Written Yet

Scan:

The Scan Has Not Been Written Yet

Report:

The Report Has Not Been Written Yet

PATIENT PROFILE PAGE

IT SHOWS SOME PERSONAL INFORMATION THAT CAN BE MODIFIED BY THE PATIENT ONLY AND SOME SIMPLE MEDICAL INFORMATION ABOUT THE PATIENT

Welcome Zeyad Yasser

Profile

This information will be displayed publicly so be careful what you share.

User name

Zeyad Yasser

Phone Number

1024474059

email

zeyad@z.z

Age

20

Gender

Male

Save

Medical Information

Patient ID 124

Blood Pressure 00

Normal 00

Blood Sugar 00

Normal 00

Attachments

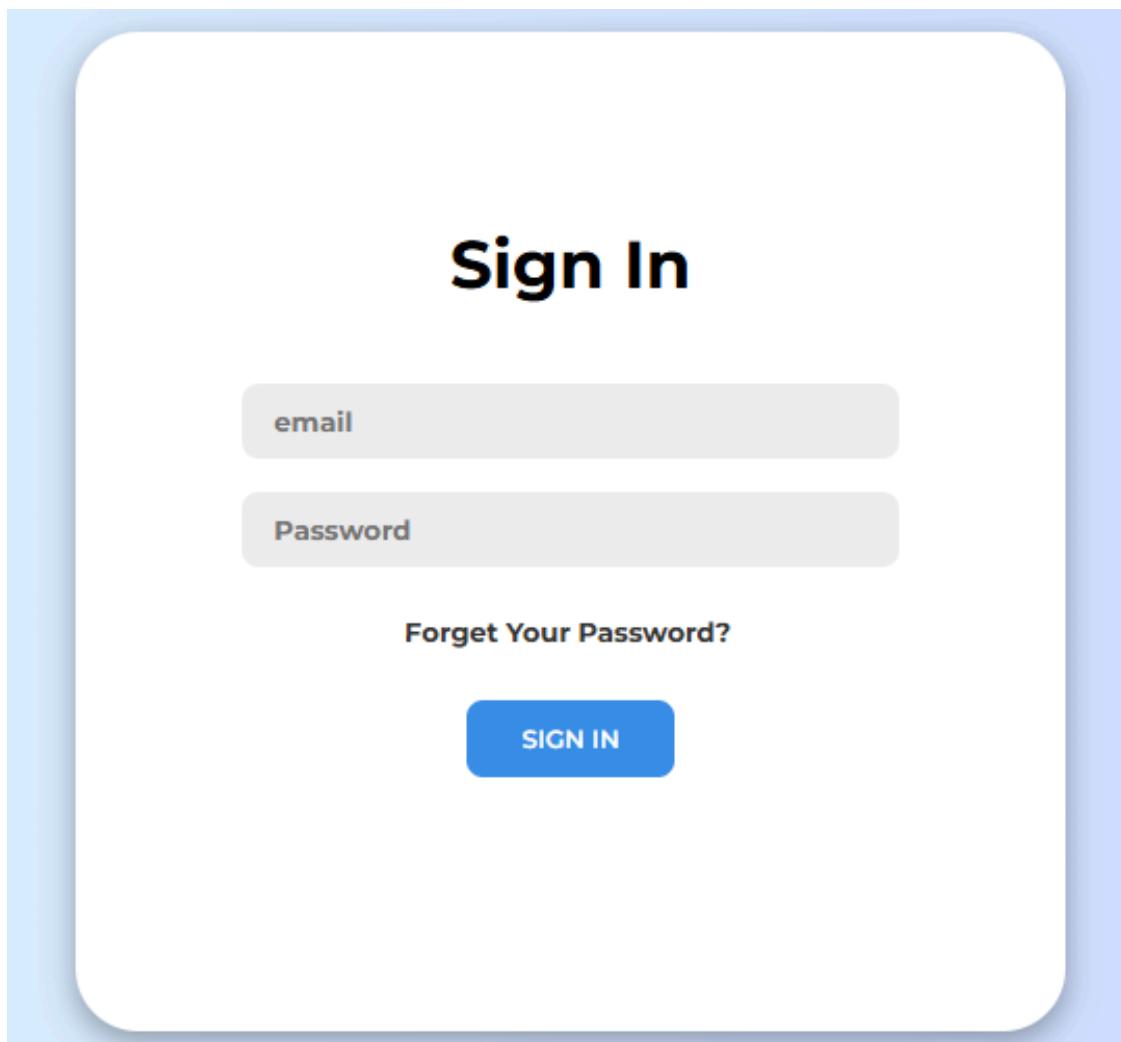
 report 1.pdf	2.4mb	Download
 report 2.pdf	4.5mb	Download

Doctor UI

DOCTOR LOG IN

THE SYSTEM LOGIN PAGE IS A SINGLE INTERFACE ON EACH OF THE FOLLOWING PAGES:

- **DOCTOR**
- **MANAGER DIRECTOR**
- **ADMINISTRATORS**
- **EMPLOYEES**



DOCTOR DASHBOARD

THE DOCTOR'S DASHBOARD PAGE CAN TRACK

- HIS RESERVATIONS FOR THE CURRENT DAY,
- ACTIVE
- CANCELED RESERVATIONS,
- TOTAL OF PREVIOUS RESERVATIONS, ALL ON THE SYSTEM.

The screenshot shows a dark-themed dashboard with a navigation bar at the top. The navigation bar includes a logo, links for 'Dashboard', 'Reservations', 'Medical Record', 'Write Report', and 'Log Out'. Below the navigation bar, the word 'Dashboard' is displayed in a large, bold font. The main content area features five cards arranged in two rows. The first row contains four cards: 'Today Reservations' (2), 'Active Reservations' (1), 'canceled Reservations' (0), and 'Done Reservations' (1). The second row contains one card: 'Total Reservations' (6).

Category	Count
Today Reservations	[2]
Active Reservations	[1]
canceled Reservations	[0]
Done Reservations	[1]
Total Reservations	[6]

RESERVATIONS PAGE

- THE DOCTOR'S RESERVATIONS FOR THE CURRENT DAY
- THE STATUS OF EACH EXAMINATION ARE SHOWN

THE DOCTOR CAN SEARCH FOR A SPECIFIC PATIENT IN RESERVATIONS
WHEN WRITING THE REPORT, CLICK ON VIEW TO DISPLAY THE REPORT
WRITING PAGE

Reservations

Search

Search

Patient ID	Patient Name	Reservation	Phone Number	Gender	signDate	Statuses	Report
124	Zeyad Yasser	Cardiology	1024474059	Male	2024-06-07	Active	<button>View</button>
148	Mohamed Abdelazim	Cardiology	1002802638		2024-06-07	Done	<button>View</button>

Patient Report

First name

Date

Patient ID

Reservation Type

Doctor

Treatment

Scan

Report

Submit

MEDICAL RECORD PAGE

THE DOCTOR CAN ACCESS, SEARCH AND VIEW ALL MEDICAL RECORDS

Search

Search

Patient ID	Patient Name	Reservations	Date	Sign Date	Report
124	Zeyad Yasser	Cardiology	2024-06-07	2024-06-07 15:36:33	<button>View</button>
148	Mohamed Abdelazim	Cardiology	2024-06-07	2024-06-07 14:16:34	<button>View</button>
146	mohamed abdelaziem	General Surgery	2024-06-06	2024-06-07 03:17:21	<button>View</button>
124	Mohamed Nageub	orthopedics	2024-06-06	2024-06-07 03:04:27	<button>View</button>
124	Zeyad Yasser	orthopedics	2024-06-07	2024-06-07 02:52:41	<button>View</button>
145	zxcv	General Surgery	2024-06-06	2024-06-06 17:15:15	<button>View</button>
124	Zeyad Yasser	Cardiology	2024-06-06	2024-06-06 17:13:41	<button>View</button>
142	ECHO	urologist	2024-06-02	2024-06-02 19:54:37	<button>View</button>

Super Admin , Admin , User UI

THE PAGES FOR THE ORGANIZATION AND ITS EMPLOYEES ARE ONE PAGE,

BUT THE WAY IT IS DISPLAYED IS ACCORDING TO THE USERS' PERMISSIONS

THE POWERS VARY FROM

- **SUPER ADMIN**
- **ADMINISTRATOR**
- **EMPLOYEE**

EACH USER HAS HIS POWERS DISTRIBUTED ACCORDING TO HIS ROLE IN THE SYSTEM

- **THE SUPER ADMIN IS TO FOLLOW UP AND MONITOR THE ENTIRE SYSTEM, ADD USERS AND DOCTORS, AND ADD SPECIALTIES IF HE WANTS TO EXPAND HIS MEDICAL INSTITUTION.**
- **THE ADMINISTRATIVE ROLE IS ONLY TO MONITOR AND FOLLOW UP**
- **THE EMPLOYEE'S JOB IS TO REGISTER CASES AND ORGANIZE RESERVATIONS WITH THE HELP OF THE ECHO SYSTEM**

PAGES THAT EXIST WITH ALL USERS WITHIN THE ORGANIZATION

- **RESERVATIONS PAGE**
- **MEDICAL RECORD PAGE**

Reservations

Search							
Patient ID	Patient Name	Reservation	Doctor	appointment Date	sign Date	Status	by
124	Zeyad Yasser	Cardiology	DR / Ahmed Fathy	2024-06-07	2024-06-07 15:36:33	Active	Patient
148	Mohamed Abdelazim	Cardiology	DR / Ahmed Fathy	2024-06-07	2024-06-07 14:16:34	Done	amna mohamed
124	Zeyad Yasser	orthopedics	DR / Nabila Laz	2024-06-07	2024-06-07 02:52:41	Done	Patient

Medical Record

Search						
Patient ID	Patient Name	Reservations	Date	Sign Date	Report	
124	Zeyad Yasser	Cardiology	2024-06-07	2024-06-07 15:36:33	<button>View</button>	
148	Mohamed Abdelazim	Cardiology	2024-06-07	2024-06-07 14:16:34	<button>View</button>	
146	mohamed abdelaziem	General Surgery	2024-06-06	2024-06-07 03:17:21	<button>View</button>	
124	Mohamed Nageub	orthopedics	2024-06-06	2024-06-07 03:04:27	<button>View</button>	
124	Zeyad Yasser	orthopedics	2024-06-07	2024-06-07 02:52:41	<button>View</button>	
145	zxcv	General Surgery	2024-06-06	2024-06-06 17:15:15	<button>View</button>	

THE PERMISSIONS TO MONITOR ACTIVE EMPLOYEES AND DOCTORS ARE POSSIBLE FOR BOTH THE SUPER ADMIN AND THE ADMINISTRATOR

THE SUPER ADMIN OR ADMINISTRATOR CAN KNOW THE RESERVATIONS MADE BY EACH EMPLOYEE INDIVIDUALLY BY CLICKING ON VIEW.

IT SHOWS THE DATA OF EACH INDIVIDUAL PATIENT ALONG WITH THE TOTAL AMOUNT COLLECTED BY THIS EMPLOYEE ONLY

Users

User ID	User Name	Log Status	Payments
1	Zeyad Yaser	'ON'	<button>View</button>
7	Admin	'ON'	<button>View</button>
9	amna mohamed	'ON'	<button>View</button>
10	abdelrahman gamal	'OFF'	<button>View</button>
11	almoatasem ali	'ON'	<button>View</button>
12	malak yahya	'ON'	<button>View</button>

Payments

Patient ID	Patient Name	Reservations	Paid	By	Print
141	shaimaa abdallah	obstetrician-gynecologist	700	zeyad Yaser	<button>View</button>
144	vbn hgf	Cardiology	15	zeyad Yaser	<button>View</button>
124	Zeyad Yasser	Cardiology	15	zeyad Yaser	<button>View</button>
Total Payments [730]					

TO KNOW ALL THE DOCTORS AVAILABLE ON THE SYSTEM

Doctors Statue

Doctor ID	Doctor Name	Doctor statue
14	DR / Mostafa Hassan	'ON'
15	DR / Ahmed Fathy	'ON'
17	DR / Bassem Hassan	'ON'
34	DR / Ahmed Okasha	'ON'
11	DR / Hamada Saad	'OFF'
13	DR / Nabila Laz	'OFF'
16	DR / Ibrahim Ramy	'OFF'
18	DR / Motaz Elsafy	'OFF'

SPECIAL POWERS FOR SUPER ADMIN

- ADD DOCTORS
- ADD SPECIALIZATIONS
- ADD EMPLOYEES

specialization

ADD DOCTOR

Select specialization

Doctor name

DR /

Appointment price

Email

Password

Add Doctor

ADD USER

User name

Role

User

Email

Password

Add User

ADD SPECIALIZATIONS

Specialization name

Add Specialization

ALL USERS HAVE THE ABILITY TO SEARCH AND PRINT REPORTS



ECHO Medical Report

Patient Report

ID	Patient Name	Reservation Date	Doctor	Reservation
279	Mohamed Abdelazim	2024-06-07	DR / Ahmed Fathy	Cardiology

Treatment:

Treatment Plan

1. *Medical Management:*

- *Antiplatelet Therapy:* Aspirin 81 mg daily.

Scan:

Diagnostic Tests

- *Electrocardiogram (ECG):* Showed signs of ischemia with ST segment depression in the anterior leads.
 - *Echocardiogram:*
 - *Stress Test:*
 - *Coronary Angiography:*
- Normal left ventricular function with no significant valvular abnormalities.
Positive for inducible ischemia with chest pain and ECG changes during exercise.
Revealed a 70% stenosis in the left anterior descending (LAD) artery.

Report:

Physical Examination

- *General Appearance:*
 - *Vital Signs:*
- Patient appears well-nourished and in no acute distress.
Temperature: 36.8°C (98.2°F)
Heart Rate: 85 bpm

**ALSO SUPER ADMIN AND ADMINISTRATOR HAVE THE ABILITY
TO PRINT PAYMENT RECEIPT**



Echo Medical System

Patient Name	shaimaa abdallah
Reservation Date	2024-06-07
DR Name	DR / Ahmed Okasha
Reservation Type	obstetrician-gynecologist
Patient ID	141
Payed	700 EGP

Signature:

Stamp:

Meet Our Team



**Zeyad Yasser
(Team Leader)**



**Amnaa Mohamed
(Project Manager)**



Abdelrahman Gamal

Almoatasem Ali

Malak Yahyia



ZEYAD YASER ABDALLAH

TEAM LEADER

FULL STACK DEVELOPER

CONTACT



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Zeyad Yasser



Zeyad Yasser



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Abdo Gamal



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HTML / CSS

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Almoatasem Ali



almo3tasem_445

PHOTO ALBUM

Project Objectives

What is new in your work

Benefits of the project to government

Methods and tools used in project

Evaluation

Budget and total needs

Future work

Conclusion

Photo of working group

Goals of the project at all and future

Adds to the project or the new at all (option)

What Benefits back from our project

Tools and lang

Test and uses to rate

When meet with team

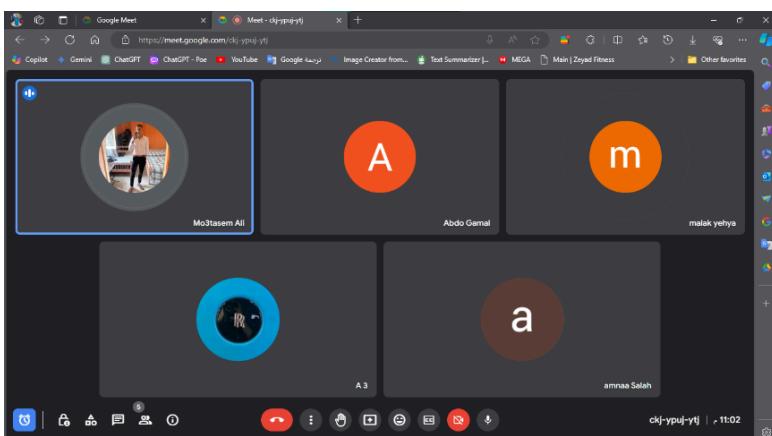
update

Same summary but ending

0.0.0.0.0.0.0.0.ss



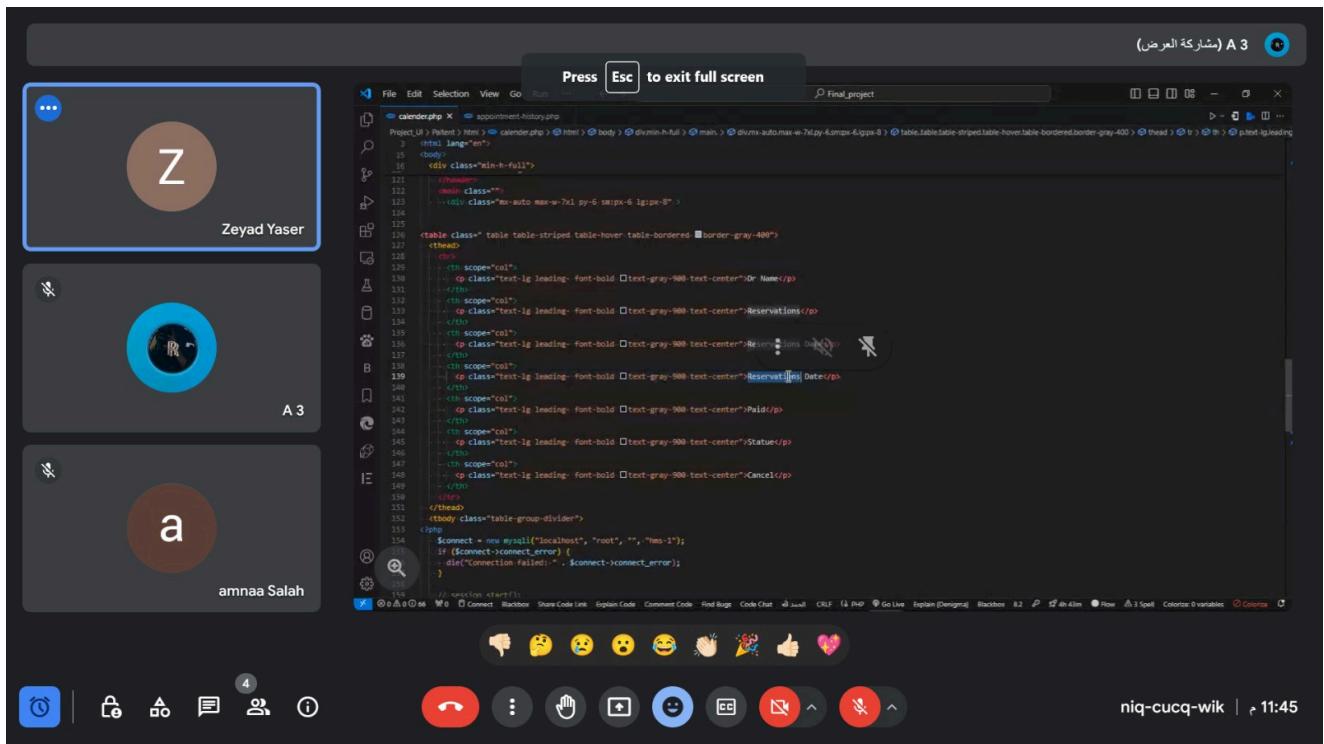
Task				
Task 3				
Task 4				
Task 5				
Mo3	50%	5/10	35%	
Amnaa	100%	10/10	80%	https://drive.google.com/drive/folders/153q9gjLrX_0d_3kR2W64NmjtH9zrsg-drive-link
3bdo	100%	10/10	80%	https://drive.google.com/drive/folders/1Y7Gce0TqJd_H4bV3_w4lRlmkkfSmN7usg-drive-link
Malak	100%	10/10	40%	https://drive.google.com/drive/folders/1Kyp-Pm0K7RkaaNgYzfdKKKKf-Htrg-drive-link
Zeyad	100%	100/100	100%	https://drive.google.com/drive/folders/1l1tMViJa7PferOkersIWy0k7X3_4E1vclp/ung-drive-link



CSS		
Day	Elements from	Elements To
Day 1	CSS Selectors Reference	Media Queries And Responsive Designs
Day 2	Design 4 (P1)	
Day 3	Design 4 (P2)	
Day 4	Task	Task
Day 5		
Day 6		

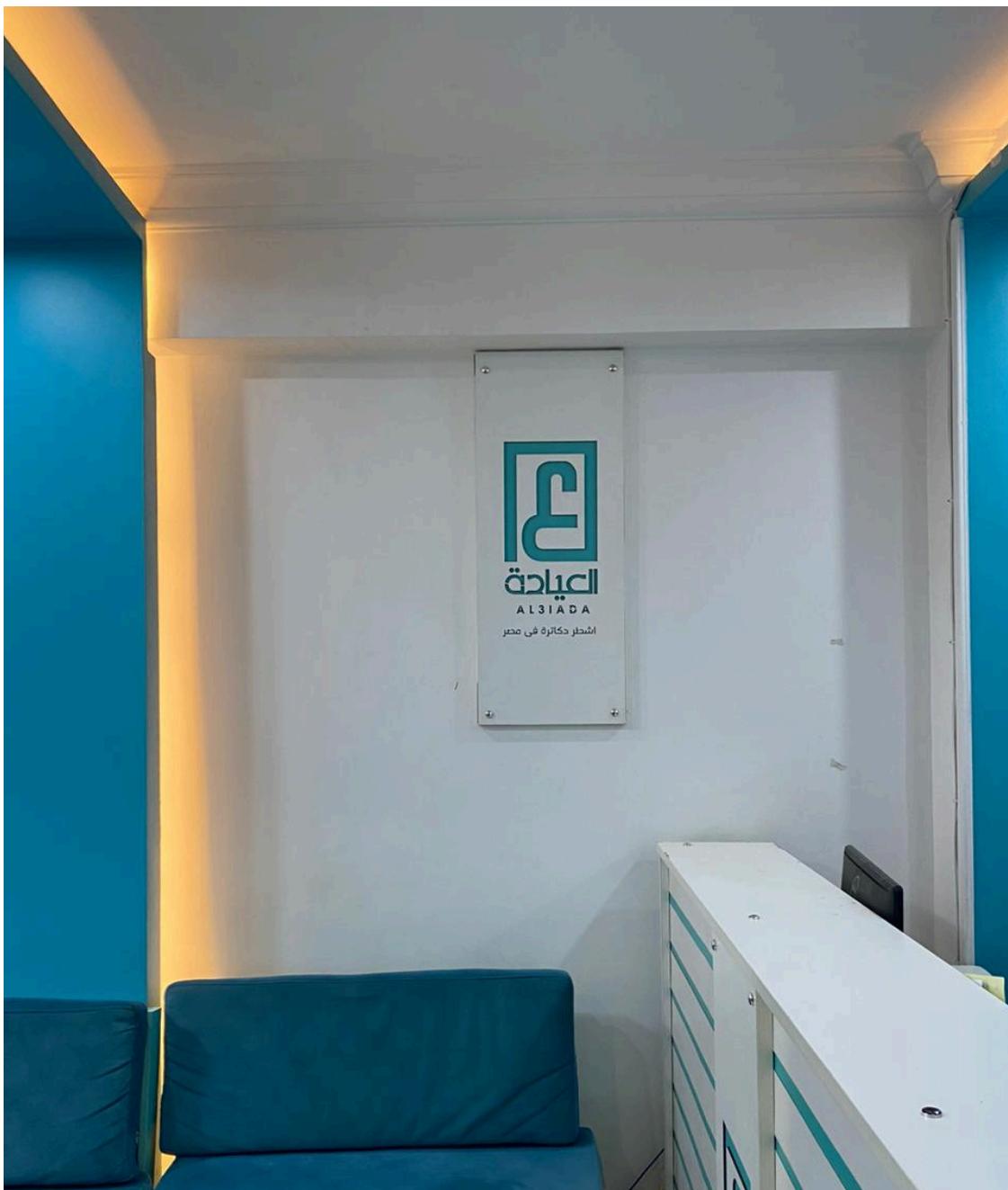
Name	Part 1	N1
Mo3	50%	5/10
Amnaa	100%	10/10 و نجحه
3bdo	100%	10/10 و نجحه
Malak	100%	10/10 و نجحه
Zeyad	100%	100/100 و نجحه





AL3YADA Visit





FUTURE WORK

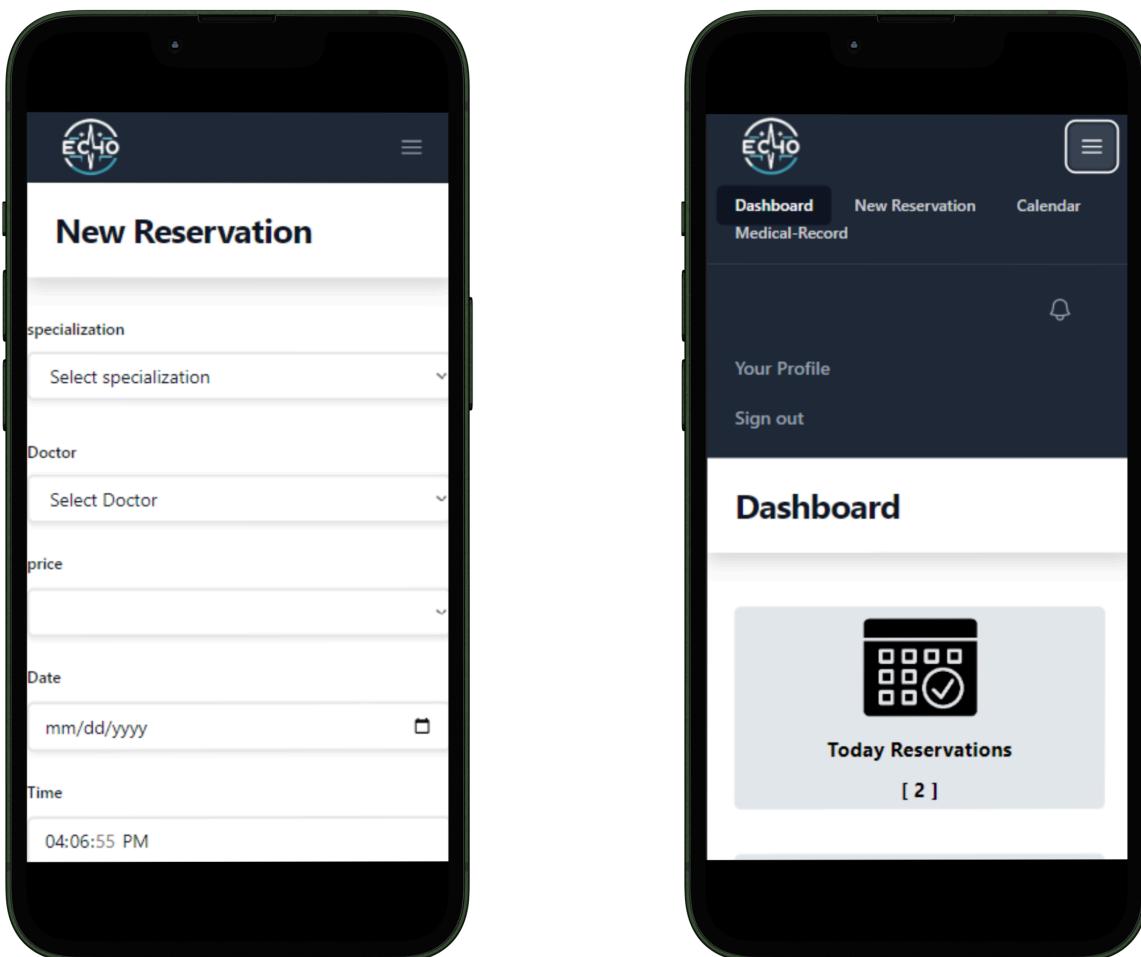
WE SEEK PERMANENT DEVELOPMENT IN THE ECO SYSTEM

WE HAVE A FUTURE VISION AND A GOOD DEVELOPMENT PLAN

THAT WILL ADD MORE WONDERFUL FEATURES TO RAISE THE QUALITY OF SERVICE

WE SEEK FUTURE DEVELOPMENT IN THE FOLLOWING:

- MOBILE APPLICATION TO FACILITATE USE FOR THE PATIENT



- A SPECIAL API FOR THE PATIENT TO ALERT HIM OF THE NUMBER WAITING IN FRONT OF HIM BY SENDING AN SMS WHEN HIS TURN COMES.
- ONLINE MULTIPLE PAYMENT OPERATIONS
- ENABLING THE PATIENT TO ADD HIS OWN REPORTS AFTER CONFIRMING THEM FROM THE DOCTOR
- IMPROVING THE AUTOMATION OF THE MEDICAL RECORD
- ADDING SOME MEDICAL DETAILS TO THE PATIENT'S PROFILE
- ADDING A LIVE CHAT TO FACILITATE COMMUNICATION AND SENDING CONSULTATIONS

AND MORE FUTURE DEVELOPMENTS ARE ON A LONG JOURNEY OF IMPROVEMENT TO ENSURE PATIENT COMFORT AND SYSTEM EFFICIENCY

CONCLUSION

IN THE EVER-EVOLVING LANDSCAPE OF HEALTHCARE MANAGEMENT, HARNESSING THE POWER OF TECHNOLOGY HAS BECOME ESSENTIAL FOR CLINICS TO THRIVE AND DELIVER EXCEPTIONAL CARE. OUR MEDICAL CLINIC MANAGEMENT PROJECT IS A TESTAMENT TO THE TRANSFORMATIVE POTENTIAL OF INFORMATION TECHNOLOGY IN REVOLUTIONIZING HEALTHCARE OPERATIONS

BY LEVERAGING CUTTING-EDGE IT SOLUTIONS, WE HAVE DESIGNED A SYSTEM THAT GOES BEYOND TRADITIONAL CLINIC MANAGEMENT MODELS. OUR USE OF ADVANCED TECHNOLOGIES HAS ENABLED US TO CREATE A PLATFORM THAT IS NOT ONLY EFFICIENT, BUT ALSO INTELLIGENT AND ADAPTABLE.

AS WE CONCLUDE THIS JOURNEY, WE ARE REMINDED OF THE ENORMOUS POTENTIAL OF TECHNOLOGY TO REVOLUTIONIZE HEALTHCARE MANAGEMENT.

OUR COMMITMENT TO PUSHING THE BOUNDARIES OF IT INNOVATION IN HEALTHCARE REMAINS STEADFAST, AND WE ARE EXCITED TO CONTINUE EXPLORING NEW FRONTIERS IN THE PURSUIT OF EXCELLENCE

IN A WORLD WHERE TECHNOLOGY IS RAPIDLY RESHAPING EVERY ASPECT OF OUR LIVES, OUR PROJECT SERVES AS A BEACON OF INNOVATION, GUIDING CLINICS TOWARDS A FUTURE WHERE HEALTHCARE IS NOT JUST MANAGED,

BUT TRULY IMPROVED THROUGH THE TRANSFORMATIVE POWER OF IT. THIS IS NOT JUST THE END OF THE PROJECT; IT'S THE DAWN OF A NEW ERA IN HEALTHCARE MANAGEMENT, WHERE TECHNOLOGY IS ENABLING CLINICS TO DELIVER UNPARALLELED CARE AND OUTCOMES FOR THEIR PATIENTS.

Thank
you!