



## **PREPARED FOR**

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# 1. Problem

Because of coronavirus, waiting for a long time at the clinic with many people gives the patient a higher chance to catch the virus. Also, reserving an appointment with a doctor in another city is difficult for many people. In addition to the confusion when choosing the best doctor.

## 2. Objectives

1. Providing online reservations for patients.
2. Searching for doctors in all specializations.
3. Reducing waiting time at the clinic.
4. Easy access to doctors from different cities.
5. Helping patients to choose the best doctors.
6. Helping doctors organize their appointments.
7. Giving unpopular doctors a chance to get more reputation.

## 3. Technical Obstacles

- Remote work
- Multi user authentication system
- Working with APIs
- Handle Payment gateways
- Mobile verification via SMS
- Deployment
- Testing

## 4. Industry and Market Risks

SWOT Analysis	
STRENGTH	WEAKNESS
<ul style="list-style-type: none"><li>• Most people, especially old people in Egypt, are in need of this platform.</li><li>• Beginner doctors are unknown and need this site to grow with and take their opportunity to prove their skills.</li><li>• Patients want to find the best matching doctors for their needs based on real cases reviews.</li><li>• Helping patients find the nearest, highest rated, specialized doctors.</li></ul>	<ul style="list-style-type: none"><li>• The risk of fake reservations.</li><li>• The patient can't be obligated to attend his reservation</li><li>• Doctors can cancel their appointments anytime</li></ul>
OPPORTUNITIES	THREATS
<ul style="list-style-type: none"><li>• This is the first free application that offers this service to doctors and clinics</li></ul>	<ul style="list-style-type: none"><li>• Convince doctors and clinics to register in the application</li></ul>

## 5. Budgetary Risks

Deployment expenses

## 6. Software

→ Backend :-

- ✓ PHP -> laravel framework
  - Authorization Technique
  - Artisan
  - MVC Support
  - Database Migration

→ Frontend:-

- ✓ HTML
- ✓ CSS
- ✓ JavaScript
- ✓ Bootstrap
- ✓ Angular

→ Database:-

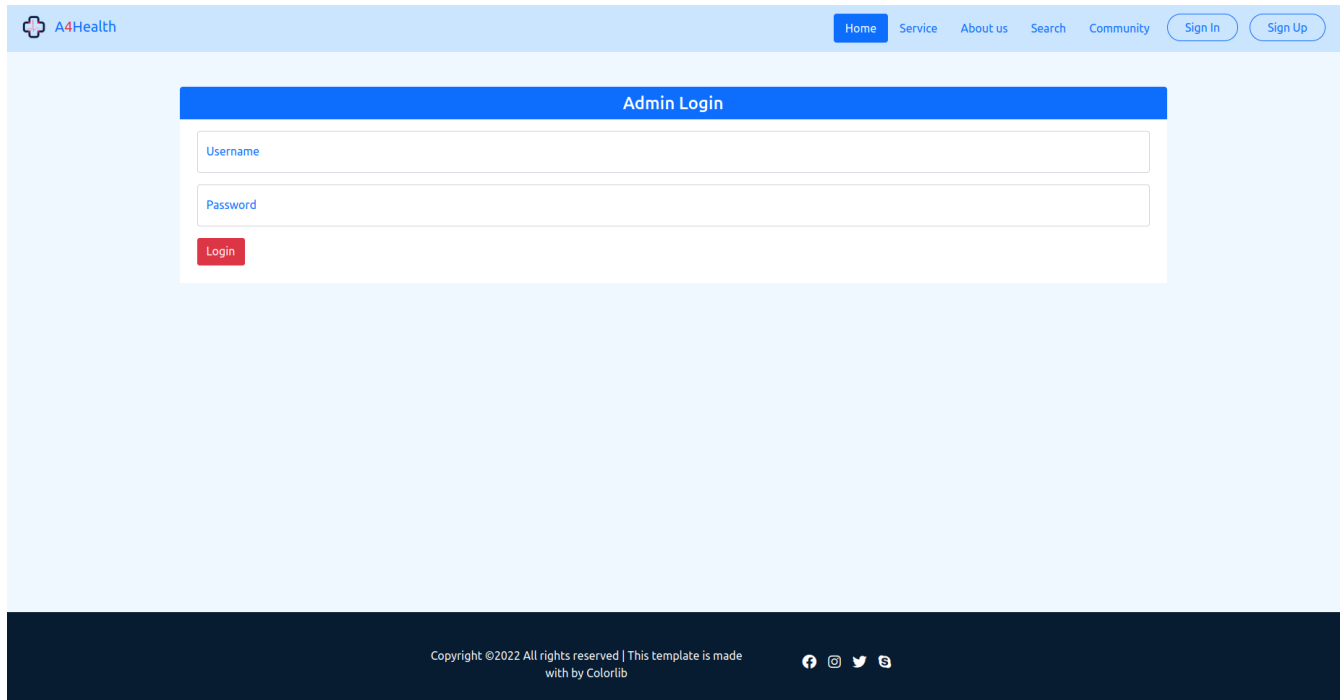
- ✓ MySql

## 7. Milestones and Reporting

Milestone	Tasks
1 - Analysis	
	Analysis and design stage, gather data and create system mockup
	Architecture design
	Design work plan (distribution of tasks to development teams)
	Create ERD & Mapping
2 - Development	
Front-End	<a href="https://github.com/Abdelrhman-1998/A4Health">https://github.com/Abdelrhman-1998/A4Health</a>
Back-End	<a href="https://github.com/Ahmed-Reda99/A4-Health">https://github.com/Ahmed-Reda99/A4-Health</a>
3 - Future Development	
	Super Admin Dashboard
	Storing software copies of doctor documents
	Real-time chat between doctors and patients
	Charts for total payment per month for doctors
	Charts for average rating per month for doctors
	Comment Reply on patients feedback for doctors
	Providing reason when canceling appointments for doctors
	Adding ability to report doctors for patients
4 - Deployment	
	Deployment on Heroku

# How it works?

## 1- Admin



The image shows a web application interface for an admin login. At the top, there is a navigation bar with the 'A4Health' logo on the left and links for 'Home', 'Service', 'About us', 'Search', 'Community', 'Sign In', and 'Sign Up' on the right. The main content area features a blue header for the 'Admin Login' form. Below the header, there are two input fields: 'Username' and 'Password'. A red 'Login' button is positioned below the password field. The footer of the page contains a dark blue bar with copyright information: 'Copyright ©2022 All rights reserved | This template is made with by Colorlib', and social media icons for Facebook, Instagram, Twitter, and Telegram.

A4Health

Home Service About us Search Community Sign In Sign Up

Admin Login

Username

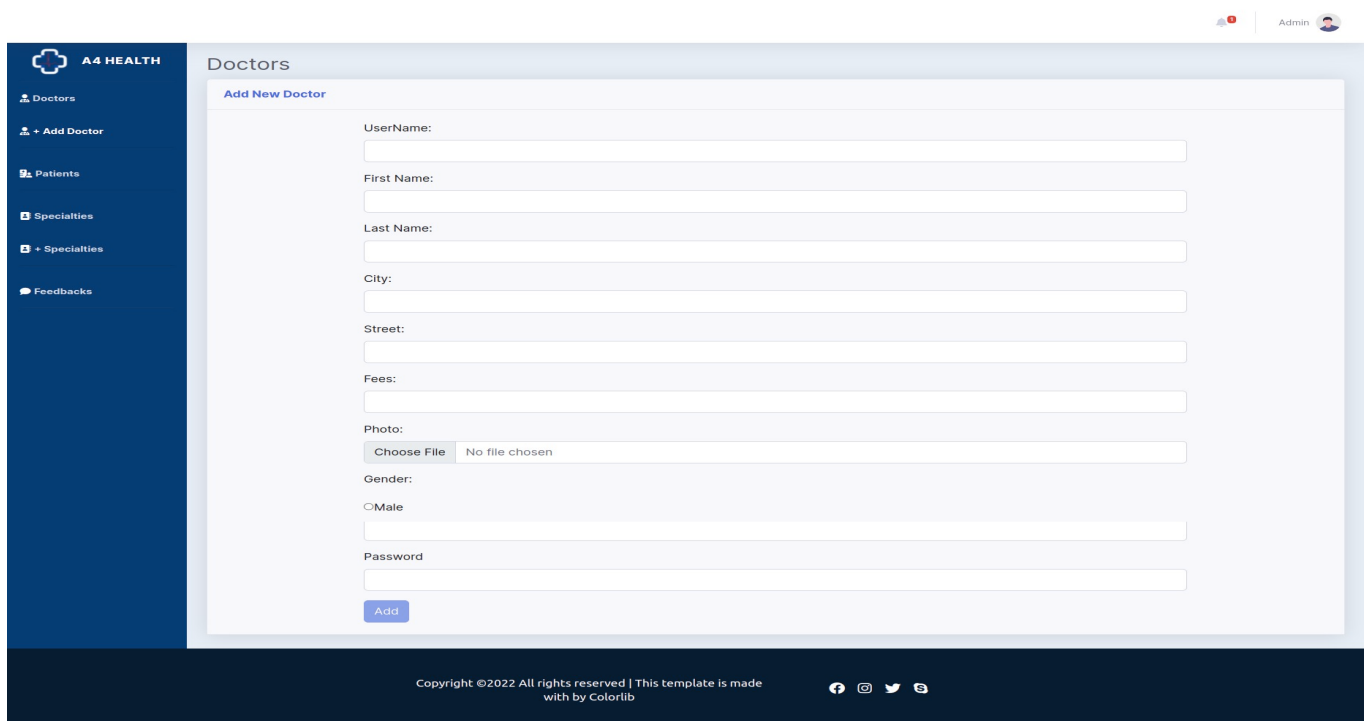
Password

Login

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Facebook Instagram Twitter Telegram

## -Login



The image displays a web application interface for registering a new doctor. The top navigation bar includes the 'A4 HEALTH' logo, a notification bell, and a user profile labeled 'Admin'. A dark blue sidebar on the left contains a menu with options: 'Doctors', '+ Add Doctor', 'Patients', 'Specialties', '+ Specialties', and 'Feedbacks'. The main content area is titled 'Doctors' and features a sub-header 'Add New Doctor'. The form contains several input fields: 'UserName:', 'First Name:', 'Last Name:', 'City:', 'Street:', 'Fees:', 'Photo:' (with a 'Choose File' button and 'No file chosen' text), 'Gender:' (with a radio button for 'Male'), and 'Password'. An 'Add' button is located at the bottom of the form. The footer is a dark blue bar with copyright text: 'Copyright ©2022 All rights reserved | This template is made with by Colorlib', and social media icons for Facebook, Instagram, Twitter, and Telegram.

A4 HEALTH

Doctors + Add Doctor Patients Specialties + Specialties Feedbacks

Doctors

Add New Doctor

UserName:

First Name:

Last Name:

City:

Street:

Fees:

Photo:

Choose File No file chosen

Gender:

Male

Password

Add

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Facebook Instagram Twitter Telegram

## -Register new doctor

- Doctors
- + Add Doctor
- Patients
- Specialties
- + Specialties
- Feedbacks

0

Admin

## Doctors

Doctors's Data

ID	First Name	Last Name	Gender	Title	Specialization	City	Street	Delete
8	Abdelrahman	Saied	Male	professor	Heart	Cairo	30	Delete
5	Ashraf	Ahmed	Male	lecturer	Heart	Alexandria	25	Delete
2	maohmod	Hassan	Male	lecturer	Heart	Alexandria	253	Delete

« Previous 1 Next »

-List all doctors

- Doctors
- + Add Doctor
- Patients
- Specialties
- + Specialties
- Feedbacks

0

Admin

## Patients


Patient's Data

ID	Full Name	Gender	Delete
4	Mona Ahmed	Female	Delete
9	ahmed Mohamed	Male	Delete

« Previous 1 Next »

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-List all patients



A4 HEALTH

Doctors

+ Add Doctor

Patients

Specialties

+ Specialties

Feedbacks





Patient's Feedbacks

Feedbacks


Search with Doctor Name

ID	Patient	Feedback Messages	Doctor	Rating	Delete
5	Mona Ahmed	Good Doctor	Dr. maohmod Hassan	★★★★★	Delete
6	ahmed Mohamed	Nice	Dr. Ashraf Ahmed	★★★★★	Delete
7	Mona Ahmed	Good Doctor	Dr. maohmod Hassan	★★★	Delete
8	ahmed Mohamed	Nice	Dr. Ashraf Ahmed	★★★★	Delete
9	ahmed Mohamed	adada	Dr. maohmod Hassan	★★★★	Delete

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-List all feedback



A4 HEALTH

Doctors

+ Add Doctor

Patients

Specialties

+ Specialties

Feedbacks





Patient's Feedbacks

Feedbacks

ashraf

ID	Patient	Feedback Messages	Doctor	Rating	Delete
6	ahmed Mohamed	Nice	Dr. Ashraf Ahmed	★★★★★	Delete
8	ahmed Mohamed	Nice	Dr. Ashraf Ahmed	★★★★	Delete

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-Filter feedback by doctor name

A4 HEALTH

Doctors

+ Add Doctor

Patients
Specialties

+ Specialties

Feedbacks

Doctors

Doctors's Data

ID	First Name	Last Name	Gender	Title	Specialization	
8	Abdelrahman	Saied	Male	professor	Heart	
5	Ashraf	Ahmed	Male	lecturer	Heart	
2	maohmod	Hassan	Male	lecturer	Heart	

« Previous 1 Next »

NEW NOTIFICATION

Doctor: maohmod Hassan

Report this patient : Mona Ahmed

check feedback message [from here](#)

Delete
Delete
Delete

-Get notifications about reported feedback

A4 HEALTH

Doctors

+ Add Doctor

Patients
Specialties

+ Specialties

Feedbacks

Specialties


Specialty's Data

ID	Name	Edit	Delete
2	Test1	Edit	Delete
3	Heart	Edit	Delete

« Previous 1 Next »

-List all specialities



A4 HEALTH

Doctors

+ Add Doctor

Patients

Specialties

+ Specialties

Feedbacks


Specialties


Add New Specialty


Specialty Name:


Add

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-Add new speciality

A4 HEALTH

Doctors

+ Add Doctor

Patients

Specialties

+ Specialties

Feedbacks


Specialties


Add New Specialty


Specialty Name:


Edit

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-Edit speciality

## 2- Doctor

[Home](#)[Service](#)[About us](#)[Search](#)[Community](#)[Sign In](#)[Sign Up](#)

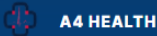
Log in


Save


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-Login





 Profile


 Edit Profile


 Appointment


 Reservations

 Feedbacks

 Change Password

 Offers

 Profile



**Firsnt Name :** Abdelrhman

**Last Name :** Ashraf

**Title :** professor


**Specializtion :** Test1

**Description**

Activate Windows

Go to Settings to activate Windows.

Abdelrhman



-View public profile

A4 HEALTH

Profile

Edit Profile

Appointment

Reservations

Feedbacks

Change Password

Offers

Adam

Edit Profile

First Name

Adam

Last Name

Ahmed

Choose Title

Professors

Fees

150

Phone

201201227473

Cairo

Street

40 st

Describe yourself

Lorem ipsum dolor sit amet.

Save

Activate Windows  
Go to Settings to activate Windows.

-Edit his profile

A4 HEALTH

Profile

Edit Profile

Appointment

Reservations

Feedbacks

Change Password

Offers

Abdelrhman

Change Password

Old Password

Password

Password Confirmation









Save

Activate Windows  
Go to Settings to activate Windows.


-Change his password

## Your Appointments

### Patients' Appointments

ID	Time	Date	Action
20	19:00:00	2022-03-29	 
19	19:00:00	2022-03-28	 
18	19:00:00	2022-03-27	 
17	19:00:00	2022-03-26	 

-Manage all his appointments

 A4 HEALTH

Profile

Edit Profile

Appointment

Reservations

Feedbacks

Change Password

Offers

### New Group of Appointment

Start Date

End Date

Time

Patient Limit

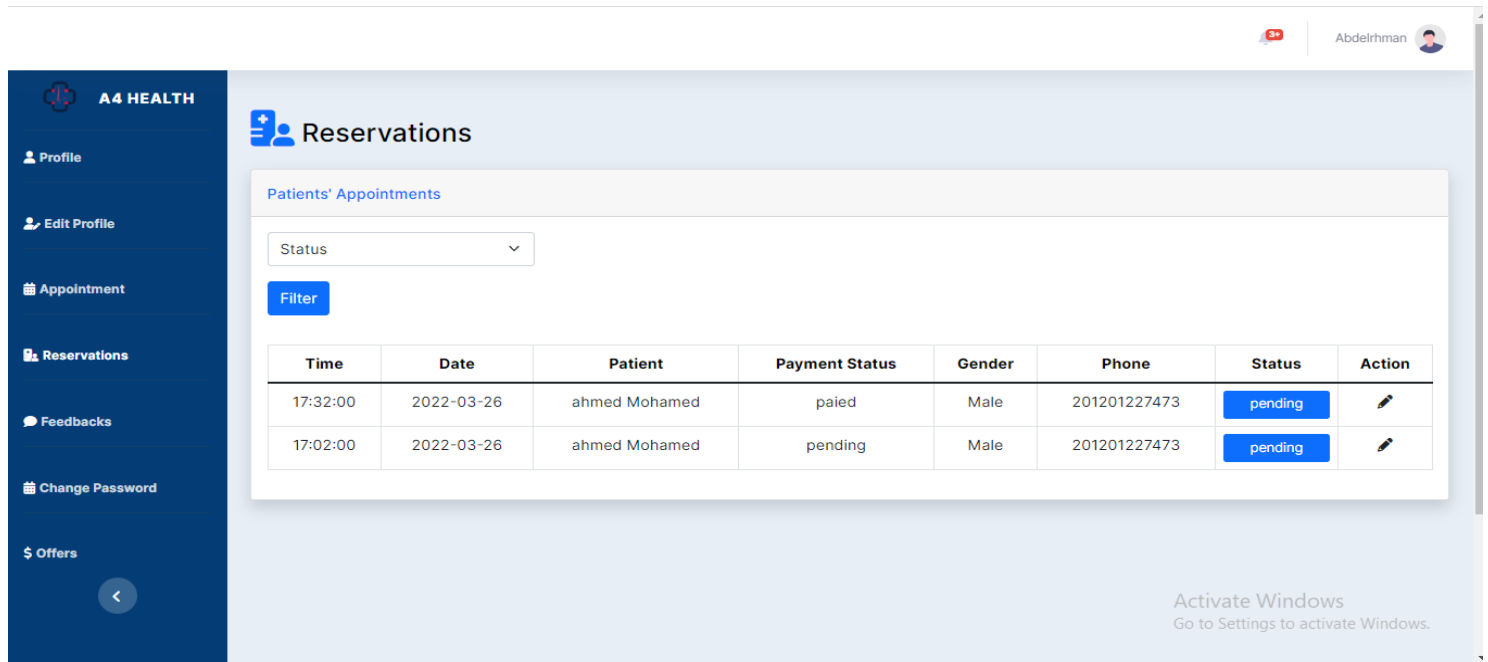
Examination Time

Add New Appointments

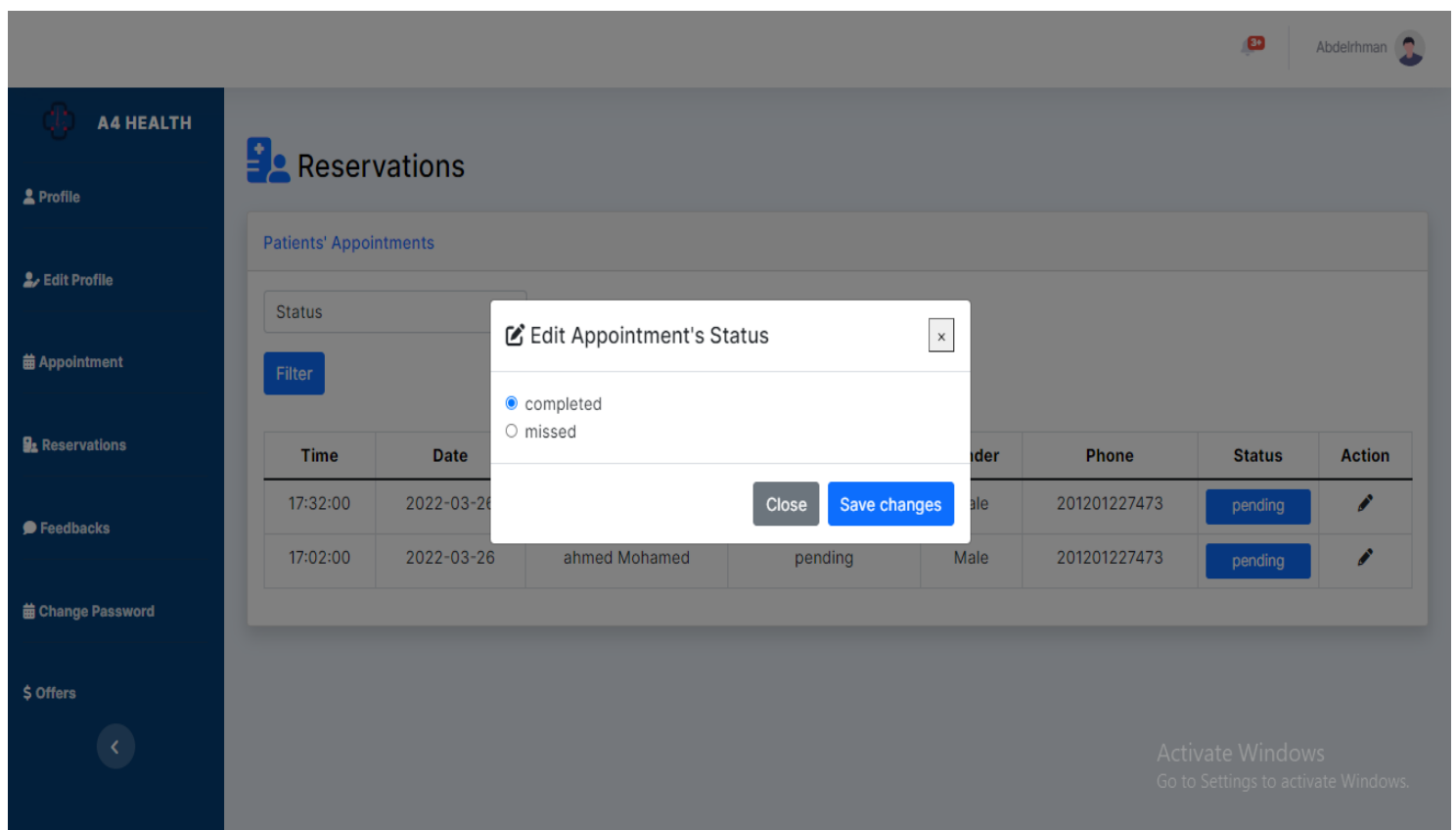
Activate Windows

Go to Settings to activate Windows.

-Add new appointment



-List all his reservations



-Change reservation status

- Profile
- Edit Profile
- Appointment
- Reservations
- Feedbacks
- Change Password
- Offers

Feedbacks

helpful

Rating

★★★★

ahmed

Report

excellent

Rating

★★★★★

ahmed

Report

Activate Windows  
Go to Settings to activate Windows.

-List all his feedback

- Profile
- Edit Profile
- Appointment
- Reservations
- Feedbacks
- Change Password
- Offers

New Offer

Add New Offer

Your Offers

ID	Name	Discount	Action
10	offer1	%10	

Activate Windows  
Go to Settings to activate Windows.

-Manage his offers


ALERTS CENTER

2022-03-26  
**New Reservation ahmed Mohamed**

2022-03-26  
**New Reservation ahmed Mohamed**

-Get notifications about new or canceled reservations

### 3- Patient

 A4Health

HomeServiceAbout usSearchCommunitySign InSign Up

Sign Up

First Name

Last Name

Username





Password

Gender ☐ Male ☐ Female


Phone +2

Verify

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#### -SignUp

 A4Health

HomeServiceAbout usSearchCommunitySign InSign Up





Log in

Username

Password

Save

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#### -Login

## Best Doctors in Egypt

15000 Doctors - 9000 Professors and Consultants - More than 40 Specialties



select a specialty  In this city  In this Area  Or search by name  Search

[Choose Speciality](#) [Choose City](#) [Choose Area](#) [Doctor name](#)

### Filters

- Title >
- Gender >
- Availability >
- Examination Fees >
- Offers >
- Submit

### All Specialities

Search results : 2 doctors



**Doctor : Abdelrhman Ashraf**  
**Test1 professor**

Overall ratings from 900 visitors

[Alexandria 50 Mortda Basha st](#)

**Fees: 200 LE**

Today	Tomorrow
4:32 PM	3:32 PM
5:02 PM	4:02 PM
5:32 PM	4:32 PM
6:02 PM	5:02 PM
6:32 PM	5:32 PM
7:02 PM	6:02 PM
7:32 PM	6:32 PM



Book

Book



**Doctor : Adam Ahmed**  
**Heart professor**

Overall ratings from 900 visitors

[Cairo 40 st](#)

**Fees: 150 LE**

Not Available

< Previous 1 Next >

-Browse available doctors

### Filters

- Title >
  - All
  - Professor
  - Lecturer
  - Consultant
  - Specialist
- Gender >
- Availability >
- Examination Fees >
- Offers >
- Submit

### All Specialities

Search results : 2 doctors



**Doctor : Abdelrhman Ashraf**  
**Test1 professor**

Overall ratings from 900 visitors

[Alexandria 50 Mortda Basha st](#)

**Fees: 200 LE**

Today	Tomorrow
3:32 PM	3:32 PM
4:02 PM	4:02 PM
4:32 PM	4:32 PM
5:02 PM	5:02 PM
5:32 PM	5:32 PM
6:02 PM	6:02 PM
6:32 PM	6:32 PM



Book

Book

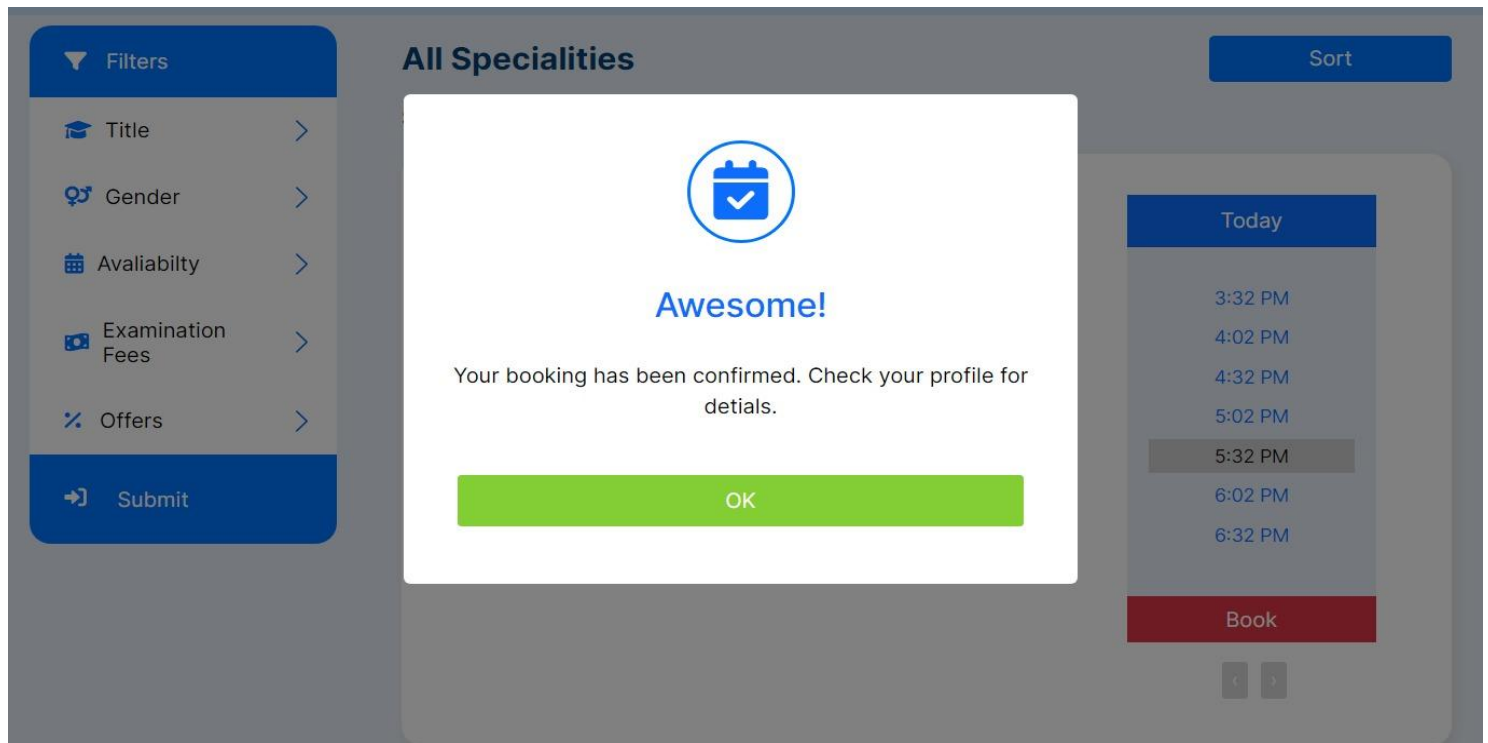
**Doctor : Adam Ahmed**

### Sort

- ☒ Top rated
- ☐ Price Low to High
- ☐ Price High to Low

-Filter search results






-Book an appointment



## Embedded Payment


ABDELRHMAN AHSRAF AHMED

4508 7500 1574 1019




02 / 22
...

Pay Now

-Paying online for his booking



[Home](#) [Service](#) [About us](#) [Search](#) [Community](#) [ahmed](#)



[Manage Profile](#) [Reservations](#) [Change Password](#)

<

Manage Profile

First Name

Ahmed

Last Name

Mohamed

Gender

☒ Male ☐ Female

Phone

01201227473


City

Save


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-Manage his profile



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<

User name Reservations

Abdelrahman Saied

2022-03-30

18:15:00

payment status: pending

Pay

Cancel

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-Manage his reservations