

## How The System Works

### Database

The database 'clinicdb' contains Login, Staff\_Signup, appointments and users table. The Login table houses all users including the clients, staff and admin. This table is what the login.php module uses to identify between user types and display content accordingly. Staff\_signup table houses the staff details added by the admin. Appointments table contains all the user appointments. These are displayed to each user accordingly. While the users table contains detailed info on all the clients that have signed up.

### How Buttons switch on Log In and Log Out

The buttons are actually a PHP module called 'buttons.php'. Login and Sign up open up their respective modals as shown below, but once you've logged in (either staff or as a client), the buttons display a dropdown with a Log out button and a client and staff specific button. This is accomplished using sessions in PHP, we save the active and name variables in a session and then used an if statement to check if session is logged and active is = 1. Assuming those conditions are true, we then check if user\_type is either staff or client. For the former, we display a Log Out and Your Appointments button, and for the latter we display a Log Out and View All Appointments button.

### Sign Up

Once you click on the sign up button a modal windows opens up where a client enters his/her details and clicks on register, which takes them to register.php module. These details are then stored in a database. The password is hashed using BCrypt for security reasons and we use a md5 hash to store a hash value corresponding to that user and we also keep the active 0 by default. We then store a message in a session variable and display it to the user once they register. An email is sent using PHPMailer to the user with a link to their email.

Clicking on the link opens up the verify.php module. The link sent contains a user's email and the hash value, we retrieve that value and compare it against the records in the database. A MySQL query checks if the subsequent email and hash are in the database, and their active is set to 0, if they are, we update that record and set the active to 1. Active 1 signifies that the user has verified and activated their account.

Register.php stores user details in two tables, users and login. The former contains just user details while the latter also contains their user type to identify the user as staff, client or admin. In the event the query returns nothing, the user is taken to an error page (error.php).

### Login

Click on the Log in Button opens up a modal window with a login form. Clicking on the Log In button in the modal open up the login.php module where the entered credentials are checked against the login table in the database. In our system, we allow both users and staff to login through the front-end login modal. Login.php runs 2 queries that check the user type and their email. If the results return nothing, then the user is taken to the error page (error.php) where an appropriate error message is displayed.

But, if the queries return a result. For both staff and clients we fetch that data into an associative array and then run a password verify function against the password to check if the entered password is correct. If the password is correct, we store email, name, user type and active in the session and set logged in session to true. The user is then logged in and check their respective appointments and so on.

The user is taken to the error page if the password verify function run against the password is wrong.

### **User & Staff Appointments**

Appointments made by registered users are saved in the appointment table, and their status is not confirmed by default.

Once, either the user or staff are logged in, they can check their appointments. For the users, clicking on the 'Your Appointments' button takes them to client.php module. This module first and foremost checks if the user is logged in and then open up, otherwise users are taken to an error page. Once a verified user is logged in, a MySQL query is run against their email. This query checks the appointment table for any past, present or future appointments made by that user. If there are any, they are fetched in an array and displayed in a table format.

Users can cancel any of their appointments if they so desire.

For staff, clicking on 'View All Appointments' button takes them to staff.php module where all appointments made by all users are fetched from the database in an array and displayed in a table format. The staff doctors can view all appointments made and confirm the appointments shown to them, or leave them 'Not Confirmed'. Clicking on the tick, updates the table and sets 'Not Confirmed' to 'Confirmed'.

### **Admin**

The admin cannot login through the front-end, admin-login.php modules takes the admin to a admin-specific log in. The entered email and password is checked against the login table where the email and user type is admin. If yes, then the admin page is displayed (The admin page cannot be opened directly, It can only be accessed through the login page). The admin page contains three modules – admin\_display.php, admin\_staff.php and admin\_delete.php.

Admin\_display.php displays all the users including the staff and users. Admin\_staff.php allows the admin to add new staff members in the system using a form in the Registration tab. While, admin\_delete.php allows the admin to delete any user (client or staff) to be deleted by clicking on the 'trash' icon.

### **Contact**

The contact form opens the contact.php module where the user entered queries are validated and sent to the clinic's admin or support staff using PHPMailer.

### **Reset Password**

Reset password works on the base of forgot.php, reset.php and reset\_password.php modules. The principle is the same as signup, except once an email is provided a confirmation link is sent and assuming its true, the user is then allowed to change the password of his/her account.

**Home Page:**



## About Us

GC Clinic is the leading and longest established private hospital and clinic in Ireland. Since it opened in the mid 1980s, the Clinic has consistently built an unparalleled reputation in new high-tech surgical procedures, medical treatments and ground-breaking diagnostics. This reputation means that some of the best international and national consultants work at GC Clinic.

GC Clinic has been recognised for over ten years by the Joint Commission International (JCI) which accredits only hospitals that raise safety and quality of care standards to the highest levels. We were one of the first hospitals in Ireland to attain this international recognition.

GC Clinic is a progressive and pioneering hospital in which care for the patient is central to everything we do.



## Best In Class Healthcare

Patient outcomes at GC Clinic are very positive. We follow the progress of patients from the beginning of their journey with us and many of our outcomes outstrip international standards. We are also the first hospital to provide treatment in single-patient rooms, thus reducing the risk of hospital acquired infections. This is something on which we are very proactive and there's more information in the Infection Prevention and Control section on this site.

At GC Clinic we are constantly striving to enhance the patient experience. This means we monitor, measure and benchmark aspects of the hospital to ensure that in many instances our services and patient outcomes exceed standards set by European and international monitoring bodies. Achieving Joint commission International (JCI) accreditation is a strong validation that a hospital has taken the extra steps to meet a high level of safety and quality. Retaining the accreditation means that we at GC Clinic constantly push our teams to ensure patient safety is central to our work and achieve the best possible outcomes for every patient in our care.

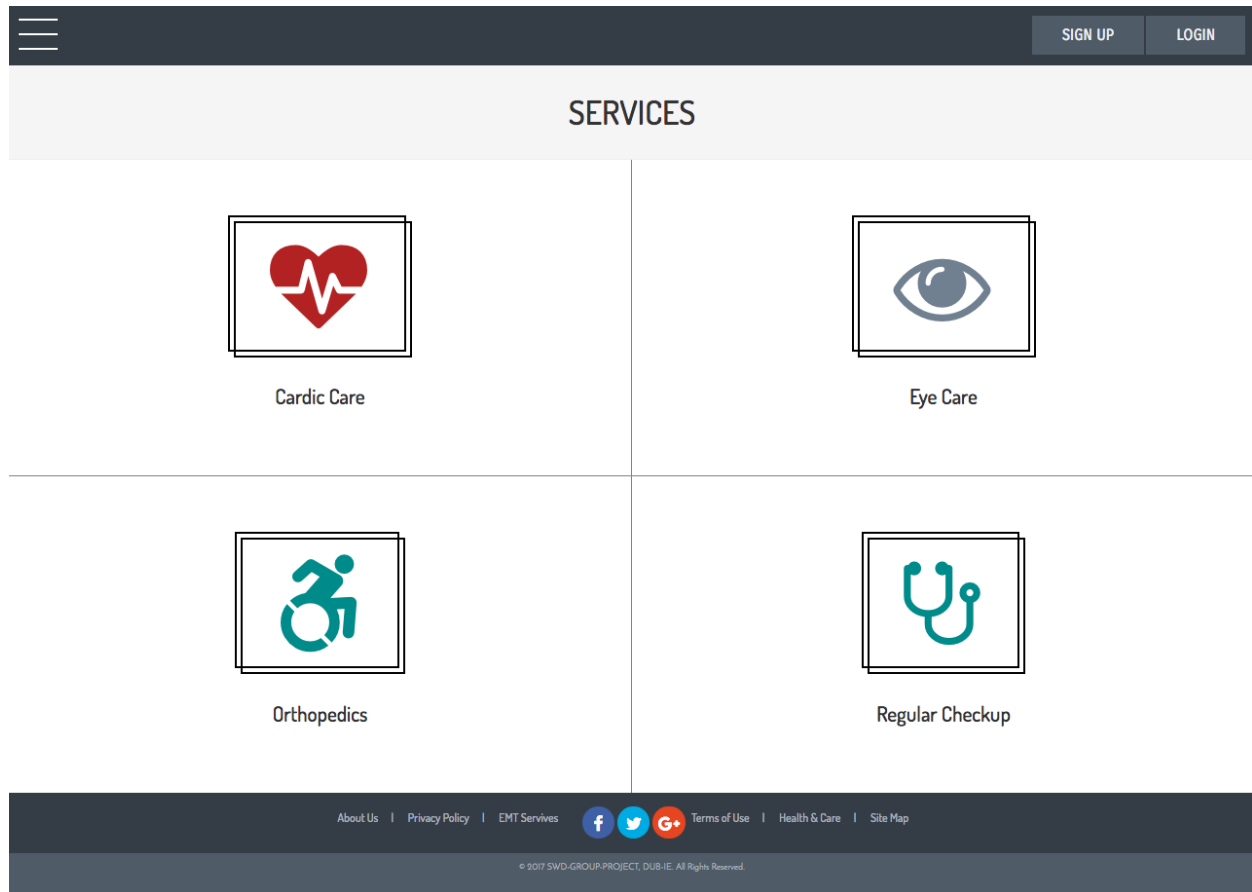


## Our Doctors are Qualified Professionals

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## Services Page:



## Resources Page:

[SIGN UP](#)[LOGIN](#)

## RESOURCES

### Cardiac Care

Cardiac care is really important as it is the thing that can't wait. As the center focus of cardiology, the heart has numerous anatomical features (e.g., atria, ventricles, heart valves) and numerous physiological features (e.g., systolic heart sounds, diastolic heart sounds) that have been encyclopedically documented for many centuries. Disorders of the heart lead to heart disease and cardiovascular disease and can lead to a significant number of deaths; cardiovascular disease is the leading cause of death. The heart is a muscle that squeezes blood and functions like a pump. Each part of the heart is susceptible to failure or dysfunction and the heart can be divided into the mechanical and the electrical parts.



The electrical part of the heart is centered on the periodic contraction (squeezing) of the muscle cells that is caused by the cardiac pacemaker located in the sinoatrial node. The study of the electrical aspects is a sub-field of electrophysiology called cardiac electrophysiology and is epitomized with the electrocardiogram (ECG/EKG). The action potentials generated in the pacemaker propagate throughout the heart in a specific pattern. The system that carries this potential is called the electrical conduction system. Dysfunction of the electrical system manifests in many ways and may include Wolff-Parkinson-White syndrome, ventricular fibrillation, and heart block.

The mechanical part of the heart is centered on the fluidic movement of blood and the functionality of the heart as a pump. The mechanical part is ultimately the purpose of the heart and many of the disorders of the heart disrupt the ability to move blood. Failure to move sufficient blood can result in failure in other organs and may result in death if severe. Heart failure is one condition in which the mechanical properties of the heart have failed or are failing, which means insufficient blood is being circulated.

[Learn more >](#)

### Oral Health

Taking good care of your mouth, teeth and gums is a worthy goal in and of itself. Good oral and dental hygiene can help prevent bad breath, tooth decay and gum disease—and can help you keep your teeth as you get older.



Researchers are also discovering new reasons to brush and floss. A healthy mouth may help you ward off medical disorders. The flip side? An unhealthy mouth, especially if you have gum disease, may increase your risk of serious health problems such as heart attack, stroke, poorly controlled diabetes and preterm labor.

The case for good oral hygiene keeps getting stronger. Understand the importance of oral health – and its connection to your overall health.

[Learn more >](#)

### Eye Care


Low vision and blindness have dire effects on individuals, families, and communities. These effects range from a decrease in quality of life and increased mortality to large-scale economic consequences. Culturally, there is often a stigma associated with blindness, further alienating the afflicted from their communities.<sup>[1]</sup> Social disadvantages are also enormous. 50% of the blind in impoverished countries report a loss of social standing and decision-making authority, and 80% of blind women note a loss of authority within their families.<sup>[2]</sup> Fortunately, there is hope that we can reverse these devastating impacts, as long as the medical community continues to increase access to surgery and care.



Routine eye exams are important – regardless of your age or your physical health. During a comprehensive eye exam, your eye doctor does much more than just determine your prescription for eyeglasses or contact lenses. He or she will also check your eyes for common eye diseases, assess how your eyes work together as a team and evaluate your eyes as an indicator of your overall health. Also, eye doctors often are the first health care professionals to detect chronic systemic diseases such as high blood pressure and diabetes.

[Learn more >](#)

## Consultation Fee Page:



[SIGN UP](#)

[LOGIN](#)

CONSULTATION FEES

### Cardiac Care

Lorem ipsum dolor sit amet, consectetur adipisicing elit.  
Voluptatibus, quae!

€ 350.99

[Book Now](#)

### Eye Care

Lorem ipsum dolor sit amet, consectetur adipisicing elit.  
Voluptatibus, quae!

€ 250.99

[Book Now](#)

### Bone Care

Lorem ipsum dolor sit amet, consectetur adipisicing elit.  
Voluptatibus, quae!

€ 750.99

[Book Now](#)

### Regular Checkups

Lorem ipsum dolor sit amet, consectetur adipisicing elit.  
Voluptatibus, quae!

€ 99.99

[Book Now](#)

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## Appointments Page:

[SIGN UP](#)[LOGIN](#)

### SCHEDULE APPOINTMENT

#### ENTER DETAILS

\* Please Login/ Sign-up first to book an appointment !

Information About Patient:

Full Name

Contact number

Email Address

Date and Time:

Date (DD/MM/YYYY)

Time



SUBMIT

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## Contact Us Page:

SIGN UP

LOGIN

CONTACT US

📍 GCD, Dublin 8

📞 01-1234567

✉ info@example.com

🕒 Mon - Fri | 9:00 - 18:00

SEND US A MESSAGE

My name is

My e-mail is

My subject is

I'd like to talk about

SEND

☆☆☆☆☆

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## Admin Page:





USERS

REGISTRATION



Admin - GC Clinic

LOG OUT

Client Information.

User ID	Name	Phone	Email	Active	
5	Locke Lamora		unknown.rebellion1@gmail.com	Yes	
8	Noman Sanaullah	+353834886711	asd@asd.com	No	
11	Gurcharan Singh	+353834886711	gurcharan.singh6662@gmail.com	Yes	
13	Jean Tannen	+353834886711	jean@gmail.com	No	

Staff Information.

Staff ID	Name	Phone	Email	Gender	Position	Date of Birth	Address	Active	
4	Danish Ali	+353834886711	dan@gmail.com	Male	Cleaning & Maintainance	03/10/1994	3, The Barley House, Cork Street, Dublin 8	Yes	
5	Saujan	+353834886711	saujan@gmail.com	Male	Doctor	03/10/1994	3, The Barley House, Cork Street, Dublin 8	Yes	

USERS

REGISTRATION

Admin - GC Clinic

LOG OUT

Staff Registration

Name

Email Address

Contact Number

Designation

Gender

Date Of Birth DD/MM/YYYY

Password

Address

Register

## Client Appointment Page:

### All Scheduled Appointments.

\* Click on ✕ to cancel your Appointment.

App_ID	Name	Phone	Email	Date	Time	Confirmation
3	Locke Lamora	+353834886711	unknown.rebellion@gmail.com	24/04/2017	09:00 - 13:00	Cancelled
4	Locke Lamora	+353834886711	unknown.rebellion@gmail.com	00/00/0000	14:00 - 17:00	Cancelled

## Staff Appointment Page:

### All Scheduled Appointments.

\* Click on ✓ to confirm Appointment.

App_ID	Name	Phone	Email	Date	Time	Confirmation
1	Noman Sanaullah	+353834886711	nomansanaullah@gmail.com	24/01/1995	14:00 - 17:00	CONFIRMED
2	Gurcharan Singh	+353834886711	blah@gmail.com	24/01/1995	14:00 - 17:00	CONFIRMED
3	Locke Lamora	+353834886711	unknown.rebellion@gmail.com	24/04/2017	09:00 - 13:00	Cancelled
4	Locke Lamora	+353834886711	unknown.rebellion@gmail.com	00/00/0000	14:00 - 17:00	Cancelled
5	asd	123123	asd@asd.com	24/04/2017	14:00 - 17:00	Not Confirmed ✓