

THE RENAL PROJECT

DOCUMENTATION

Technology in use:

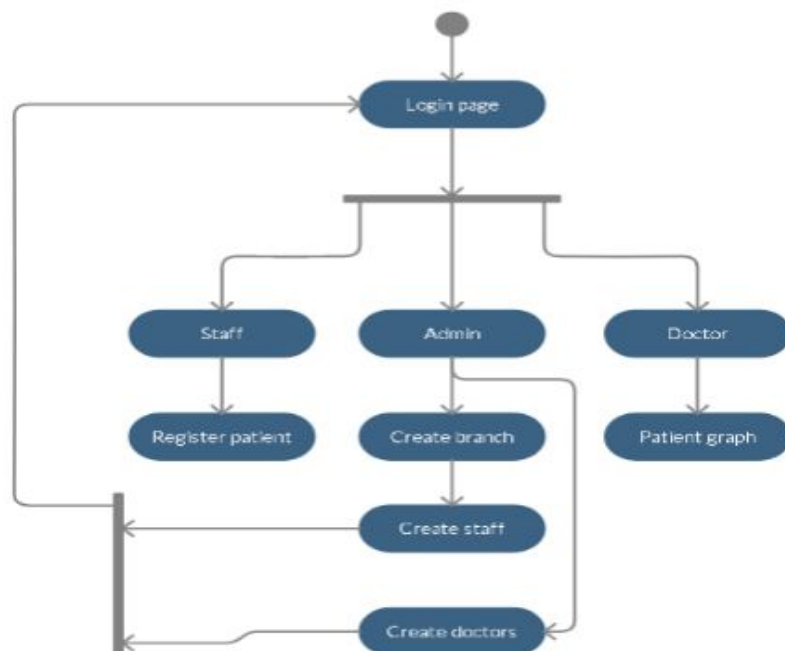
1. PHP 7.2
2. MySql 8.0.21 (for ubuntu)
3. HTML5 & CSS
4. Javascript (vanilla)
5. jQuery
6. Bootstrap 4
7. Fontawesome 4

Project Link: <https://github.com/amritlekhuppal999/RenalProject>

Problem:

To develop a web application that will be helpful for the staff, admins and doctors to track the details about the patients.

Flow Chart:



The Project can be divided into 2 parts:

1. Back-end
2. Front-end

Back-end:

The back end consists of a database and a server-side scripting language. We are using MySql server for database and PHP for scripting language.

Database:

Name: renal_project,
Servername: localhost,
Username: root,
Password: alu@1995,

We have **5 tables**: {admin, branch, doctor, patient, staff}

admin table:

Columns: { id, name, username, email, password, phone_no, status, cip, cby, cdate }

doctor table:

Columns: { id, name, username, email, password, phone_no, status, cip, cby, cdate }

branch table:

Columns: { id, name, cost_per_patient, status, cip, cby, cdate }

staff table:

Columns: { id, branch_id, name, username, email, password, phone_no, status, cip, cby, cdate }

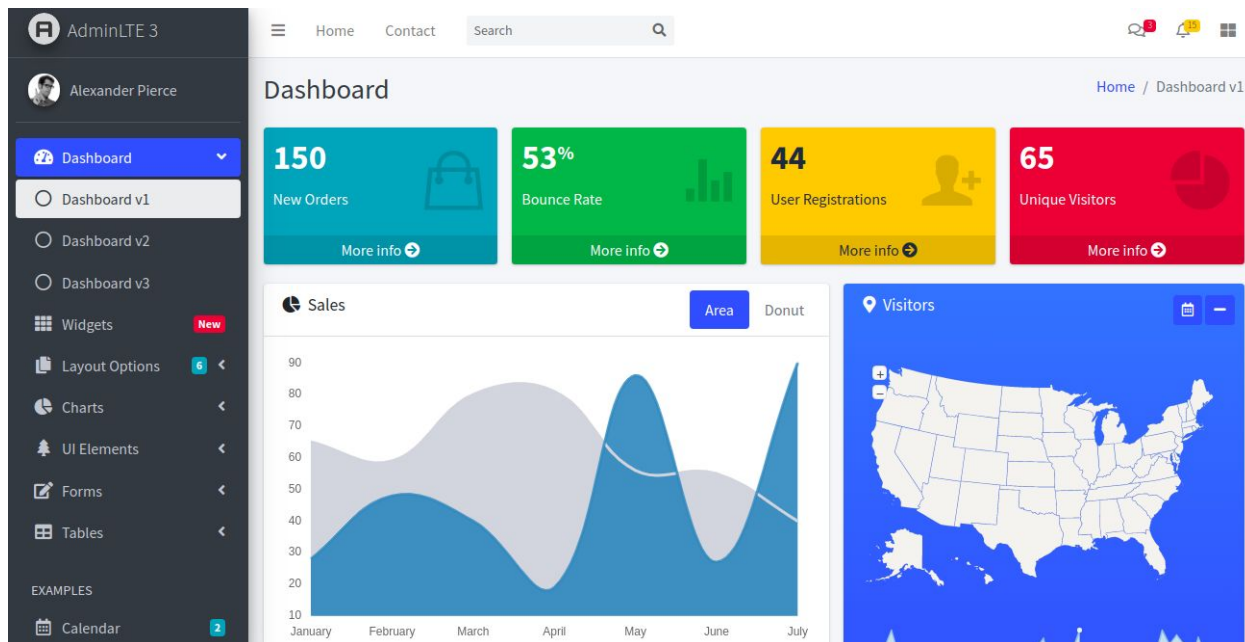
PHP:

We are using the MVC approach. We have divided the function part, the connection part and the actual code part for better coding.

Front End:

Consists of HTML & CSS, Javascript, and other applications based on them like bootstrap, font-awesome. The GUI of our website.

We are using **AdminLTE** 3.0.2 UI theme for building our website.



PAGES:

Login: Three types of login { admin, doctor, staff}.

Admin login: UserType: 1

Username: first_admin

Password: 123456789

Doctor Login: UserType: 2

Username: doc_strange

Password: 123456789

Staff Login: UserType: 3

Username: doc_strange

Password: 123456789

Register:

Only admin can register, doctors and staff are created by admin later.
Four fields { name, email, phone no, password }.

Upon successful registration or login, **session** starts and these values are stored in it:

userid, userType, email, name. E.g: `$_SESSION["email"]`

Admin:

add-admin:

Add Admin

ADD ADMIN

Admin Name

Name

Username

admin_123

Email

xyz@yahoo.com

Phone no.

7999945555

Password

Status

Inactive

ADD

*Email, username, phone-no must be **unique** or record won't add.
Password length must be between **8-20 chars**.*

view-admin:

View Admin

Search by Admin Name

Name	Username	Email	Phone	Status	Action
test_admin_x	testAdmin@gmail.com	testAdmin@gmail.com	7417417417	Active	✎
Admin X	admin_x	adminX@gmail.com	7414741777	Inactive	✎
Test Admin	test_admin@gmail.com	test_admin@gmail.com	487975416	Active	✎
SSJ	ssj999	ssj999@gmail.com	7894567894	Inactive	✎
Sanjay	sanjay_111	sanjay@gmail.com	7849746124	Inactive	✎
Ankit	ankit_123	agu@gmail.com	7777777777	Inactive	✎
Admin	first_admin	admin@gmail.com	6845745615	Active	✎

*Click on the **edit-icon** in the Action column to edit the respective record.*

update-admin:

Update Admin

UPDATE ADMIN

Admin Name: test_admin_x

Username: testAdmin@gmail.com

Email: testAdmin@gmail.com

Phone no.: 7417417417

Password: ****

Status: Active

UPDATE

Password field is inactive.

Same rules apply as add-admin

Doctor: Same as admin.

Staff:

add-staff:

*Here we first have to select a **branch** because as per problem, staff must be added in the branch. (we will see the branch part after this)*

Add Staff

Select Branch

Select

Select

Patna Branch

Kolkata Branch

Mumbai


Pune Branch

Select

Upon selecting the branch we see the form to add staff.

Add Staff

Branch: **Pune Branch**

ADD STAFF 

Staff Name **Username**

Email **Phone no.** **Password**


Status




ADD

Same details are filled here as the admin or doctor along with the **branch-id** in a hidden input field to identify/sort branch wise staff.

view-staff:

View Staff



Branch	Staff Name	Username	Email	Phone	Status	Action
Patna Branch	Staff X	staff_x	staffx@gmail.com	8888888800	Active	
Kolkata Branch	Staff_1	staff_1	staff@gmail.com	123456789	Active	
Patna Branch	Uppal Singh	upp@gmail.com	upp@gmail.com	1234567890	Inactive	

Click on the **edit-icon** in the Action column to edit the respective record.

update-staff: Same as the **add** part except the branch cannot be changed.

Branch:

add-branch:

You add branch name, cost-per-patient, status.

Add Branch

ADD BRANCH

Branch Name

Cost per patient

Status

Name

100.50









Inactive

ADD

view-branches:

View Branches

Search by Branch Name

Name	Cost per patient	Status	Action	Add Staff
Pune Branch	1000.50	Active		
Mumbai	150	Active		
Kolkata Branch	50	Active		
Patna Branch	20.58	Active		

Here, we have a shortcut to add staff in the table, in “**Add Staff**” column. Clicking on that icon will take user directly to the **add-staff** page with the respective branch **name** selected.

update-branches:

Update Branch

UPDATE BRANCH

Branch Name

Cost per patient

Status



Patna Branch

20.58

Active

UPDATE

Branch Staff

Name	Username	Email	Phone	Status	Action
Staff X	staff_x	staffx@gmail.com	8888888800	Active	
Uppal Singh	upp@gmail.com	upp@gmail.com	1234567890	Inactive	

Everything is the same as add-branch but with one **difference**.
Here we can see the **branch staff** assigned to it in the table below, with the option to add new or edit existing records.

Patient:

add-patient:

Accessible only by **staff** in staff login.

Add Patient

REGISTER PATIENT

Patient Name

Phone no.

Date of Birth

Name

7999945555

Status

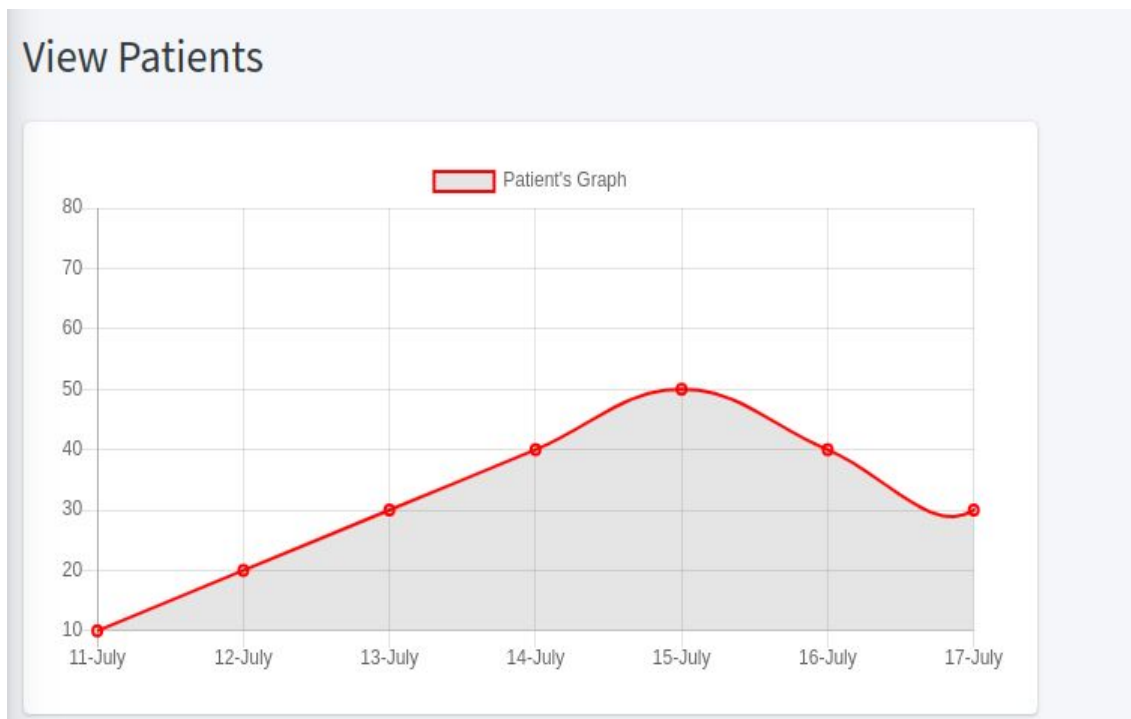
Inactive

REGISTER


view-patient:



Accessible only by **doctor** and **staff**.

Has a patient count per day **chart**.



Lower half:



Branch	Name	Phone	Date of Birth	Status	Action
Kolkata Branch	Patient 2	7829741949	22-Feb-2010	Active	
Kolkata Branch	Patient 1	7829741963	21-Sep-2022	Inactive	

update-patient: *same as add-patient page.*

Table of Access for users:

	Admin	Branch	Staff	Doctor	Patient
Admin	A + E + V	A + E + V	A + E + V	A + E + V	V
Branch	-/-	-/-	-/-	-/-	-/-
Staff	NA	NA	NA	NA	A + E + V
Doctor	NA	NA	NA	NA	V
Patient	-/-	-/-	-/-	-/-	-/-

A: Add

E: Edit

V: View

NA: Not Authorized