



Daffodil
International
University

A
PROJECT REPORT
ON
“Medical Emergency Service [MES]”

Submitted in partial fulfillment for
the Course of
Database Management System Laboratory

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CHAPTER 1

INTRODUCTION

1.1 PROJECT AIMS AND OBJECTIVES

Our aim and the main objective are to digitalize the whole medical system. To get all the medical services on one platform

- ✓ We want to build an ambulance service system where anyone can get the ambulances nearby and don't need to pay extra bills.
- ✓ We want to provide the ability to our users to select their preferable doctors.
- ✓ We want to reduce and eventually eliminate the need of physical appointment for doctor visit
- ✓ We want to create a relationship between the doctor and the patient.
- ✓ We want to give all the flexibility to the user as they can get all the medical services they want and need.
- ✓ We want to ensure the customers that the price of medicines is appropriate as the govt rules. So, that anyone doesn't need to buy the medicines paying extras.
- ✓ We want to ensure that the medicines are authentic to avoid further casualties because of fake and lower quality medicines.
- ✓ We want to build awareness among the people about their health issues.
- ✓ We want to create mass awareness about advanced medical services in rural areas.
- ✓ We also want to research with the experts to face the future pandemic situations

1.2 BACKGROUND OF THE PROJECT

We wanted to solve a real-life problem using our technology and benefit a large population. Going through several brainstorming sessions and idea gathering, one hits hard. As a developing country, we didn't have sufficient infrastructure to provide medical information and services. We have seen so many scenarios where people are suffering because of the lack of proper treatment, transportation like an ambulance on time, and lack of information when they are in serious health conditions like heart attack, stroke, or

pregnancy. We don't know where to call or where the ambulance is. The time gap between 5-10 minutes is valuable and, it becomes a life and death situation. If we call the ambulance, we don't know where the ambulance is and how much time will it take over that we don't know whether the driver is lying or not. So, we wanted to solve that problem along with many others by building a platform where people can see where the nearby ambulance is. Also, the user can communicate with the service provider in real-time and can see the locations. We want to save many lives.

As a patient we believe that one should have the option to verify and choose their preferable doctor. So we have provided specialist list according to regional availability.

We also want to work with the pharmacies system. Consumers had to face hassle when they want to buy medicines. If we think about post covid situation. People are being much more conscious about safety. So, we also want to solve that problem. Anyone can get medicines anywhere in the country. We are continuously witnessing scenarios like people are being sick by eating fake drugs. We want to decrease and gradually end this problem

1.3 SCOPE OF THE PROJECT

- ✓ Anyone can consult with foreign experts throughout our platform.
- ✓ We can make business opportunities for foreign investors.
- ✓ Can introduce different brands of medicines to the consumer and help this business to expand
- ✓ It will create job opportunities for unemployed people.
- ✓ can bring advancements in technologies and infrastructure
- ✓ Gaining competitive advantage
- ✓ Providing a unique experience to different types of users based on their location
- ✓ Easy availability and use
- ✓ Flexibility and affordability

CHAPTER 2

SYSTEM ANALYSIS

2.1 SOFTWARE REQUIREMENT SPECIFICATION

User needs: In our platform anyone can solve his medical emergency problems. From an user, they always expect to have good ui and also the flexibility. They actually find the comforts in less complex ui and interactions.

Performance: We will give a better user experience.

Safety: We will secure our sites in many layers. So that anyone feels safety in our site. We want to get their trust and want to be reliable.

System features: We will try to give more features like medicine taking alarms, daily health analysis.

2.2 EXISTING VS PROPOSED

There are some similar apps like us. But they don't have the ambulance service. Its very necessary in daily life. If I talk about daktarbhai. They are working in the similar fields. But not giving users the comfort what they need.

We will try to have a user friendly ui. It will be more secure than the existing platforms. Their field work is so poor. So we will try to gather the information's and have the best analysis.

These similar apps are not updating as much as it should. We will try to provide that.

2.3 SOFTWARE TOOL USED

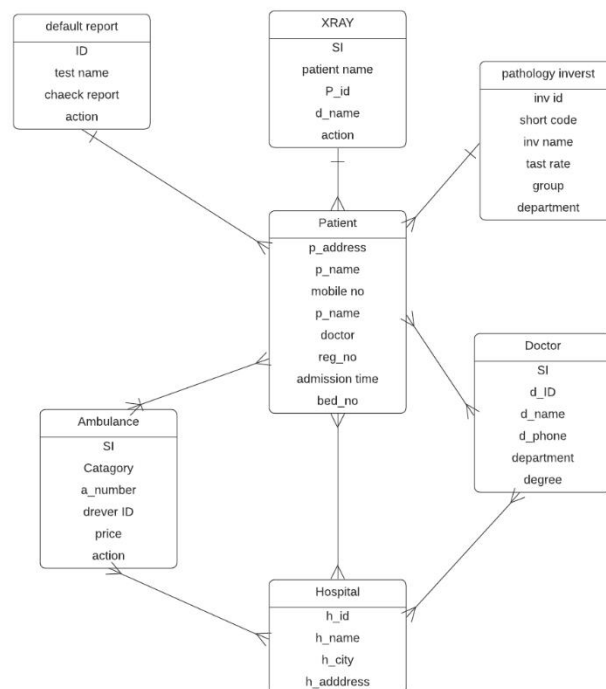
We have used Adobe XD for the ui section. For client side we will write codes in VS code. For server side we will use node js and tools like Xampp. We will use mysql commands for database management system.

CHAPTER 3

SYSTEM DESIGN

3.1 TABLE DESIGN

table diagram MES



Link:

https://lucid.app/lucidchart/ddd5a0d2-2515-46d2-b1b3-2db0638fd419/edit?invitationId=inv_f1a3bf6a-058e-48c8-ba87-6cc273e26688

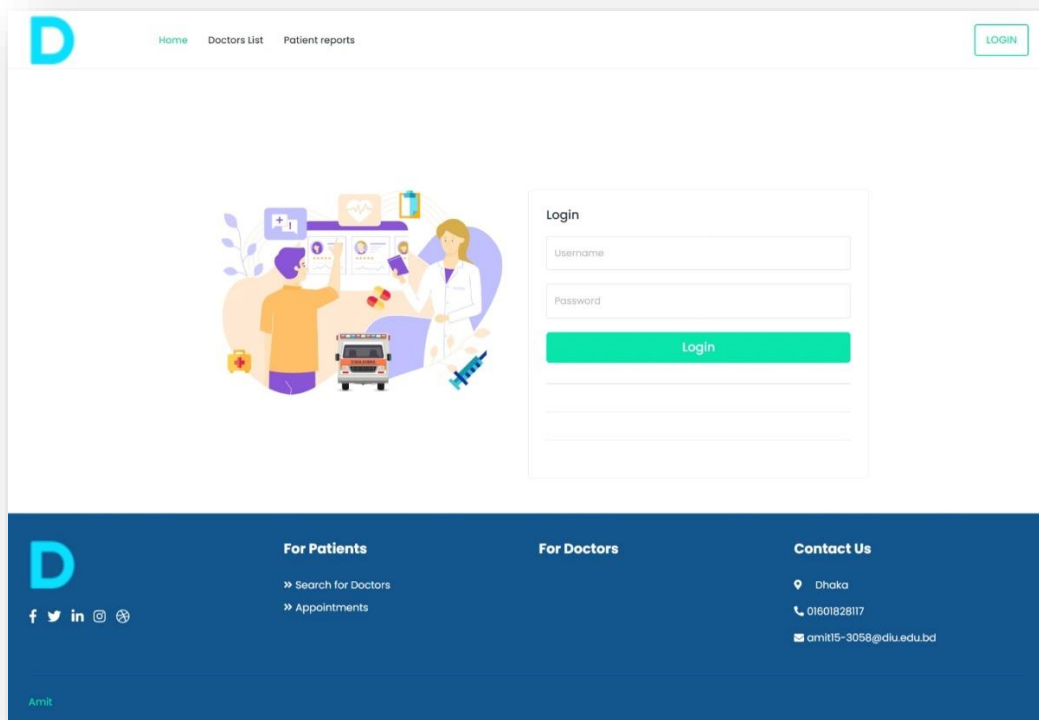
CHAPTER 4


SYSTEM IMPLEMENTATION

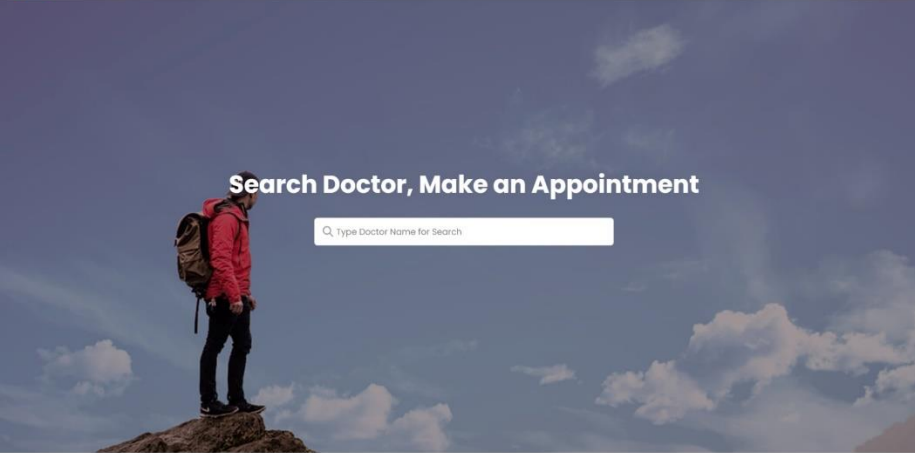
4.1 MODULE DESCRIPTION

Our project is a web-based project. We want to solve a very needed problem through our project. Our clients can have a better experience with medical services. Our basic goal is to make a database of available doctors from all departments in all regions. Anyone can get an appointment with their chosen doctor. It will make their life more comfortable and release the hassle. Our system also records all the necessary reports of every patient. We have an ambulance service. Anyone can get the details of the ambulance and can easily get the information. Anyone can find a blood donor through our website.

4.2 SCREEN SHOTS





[Home](#)
[Doctors List](#)
[Patient reports](#)
[LOGIN](#)




Search Doctor, Make an Appointment

Department


The department in our hospital, We have more than 35 doctors in those 6 categories, 6 Doctor's of whom are regularly providing us with total facilities.




Urology




Neurology




Orthopedic



Cardiologist




Dentist



Urology


Book Our Doctor



Dr. Mahamudur Rahaman
MBBS, BCS (Health), MS(Ortho)

📍 MES
📅 Friday
📞 600


[View Profile](#) [Book Now](#)



Dr. A J M SADEQUE
MBBS, FCPS(CHILD)

📍 MES
📞 700


[View Profile](#) [Book Now](#)



Dr. Mohammad Jamal Hossen
MBBS, BCS (Health), FCPS(INT), MS(INT)

📍 MES
📞 600


[View Profile](#) [Book Now](#)



Dr. Md. Yousuf
MBBS, BCS (Hn (Surgery), MS (

📍 MES
📞 600

[View Profile](#)




Chat online


Book Online

Availabe Features in Our Clinic


It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout.




Operation




Medical




Patient Ward



Test Room



Laboratory



[f](#)
[t](#)
[in](#)
[@](#)

Amit

For Patients

- Search for Doctors
- Appointments

For Doctors

Contact Us

📍 Dhaka

📞 01801828117

✉ amit15-3056@diu.edu.bd

Dashboard / All Ambulance

Show 10 entries

Search:

SI No	Category	Ambulance number	Driver ID	Price	Action
1	Delux AC	111	First	1000	
2	VIP	116	First	1000	
3	VIP	117	First	1000	
4	VIP	121	First	1000	
5	VIP	125	First	1000	
6	VIP	126	First	1000	
7	VIP	203	Second	1000	
8	VIP	205	Second	1200	

Showing 1 to 8 of 8 entries

Previous 1 Next

Dashboard / All Doctor

Add New Doctor

Show 10 entries

Search:

SI No	Doctor ID	Image	Doctor Name	Phone	Department	Profile / Degree
1	1	No Photo	Dr. A J M SADEQUE	0	Pediatrics	MBBS, FCPS(CHILD)
2	2		Dr. Md Yakub Hosen	0	General surgery	MBBS, BCS (Health), MCPS (Surg)
3	3	No Photo	Dr. SHEIKH KHAIRUL KABIR TIPU	0	Physical Medicine	MBBS, BCS(Health), FCPS(Medical)
4	4	No Photo	Dr. MD.ISMAIL	0	Skin and Sexual health (genitourinary medicine)	MBBS, BCS(Health), DDV(Ostria),
5	5	No Photo	Dr. MOSHAMMAT ZEBUNNESA			MBBS,FCPS,MS(BSMMU)(OBS&G)
6	12	No Photo	Dr. MD.JAHIR UDDIN CHY	0	Skin and Sexual health (genitourinary medicine)	MBBS, DD
7	15	No Photo	LT.COL.MD.ANWAR HOSSAIN			FCPS
8	16	No Photo	MD.ABDULLAH AL MAMUN			MBBS,BCS(H),FCPS,MD(CHILD).
9	17	No Photo	Dr. MD.SAIFUL ISLAM TIPU CHY	0	Cardiology	MBBS, BCS(Health), CCD, FCPS(P
10	18	No Photo	Dr. MD IQBAL HOSAIN	0	Pediatrics	MBBS, BCS(Health), FCPS(P-2), M

Showing 1 to 10 of 81 entries

Previous 1 2 3 4 5 ... 9 Next

D

Menu Icon

Amit

Main

Dashboard

Departments

Doctors

Bed

Patients

Patients List

Admission Report

Reception

Human Resources

Accounts

Pathology

XRAY

USG

User Management

Settings

Patient

Dashboard / Admission Statement

Search Single Patient By ID

Admission Statement

First Date

Last Date

Report Button

First Date

Last Date

VIEW

Admission Statement Doctor Wise

First Date

Last Date

Doctor Name

Report Button

First Date

Last Date

Select an option

VIEW

CHAPTER 5

SYSTEM TESTING

Added data

Ambulance

Sl No	Category	Ambulance number	Driver ID	Price	Action
1	Delux AC	111	First	1000	Edit Delete
2	VIP	116	First	1000	Edit Delete
3	VIP	117	First	1000	Edit Delete
4	VIP	121	First	1000	Edit Delete
5	VIP	125	First	1000	Edit Delete
6	VIP	126	First	1000	Edit Delete
7	VIP	203	Second	1000	Edit Delete

Showing 1 to 7 of 7 entries

Ambulance

After adding
a new data
to the table

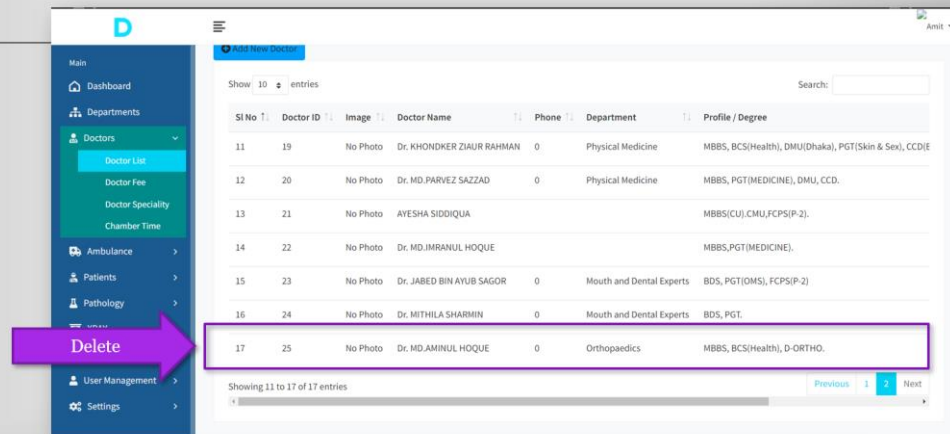
Sl No	Category	Ambulance number	Driver ID	Price	Action
1	Delux AC	111	First	1000	Edit Delete
2	VIP	116	First	1000	Edit Delete
3	VIP	117	First	1000	Edit Delete
4	VIP	121	First	1000	Edit Delete
5	VIP	125	First	1000	Edit Delete
6	VIP	126	First	1000	Edit Delete
7	VIP	203	Second	1000	Edit Delete
8	VIP	205	Second	1200	Edit Delete

Showing 1 to 8 of 8 entries

Delete data

Doctors List

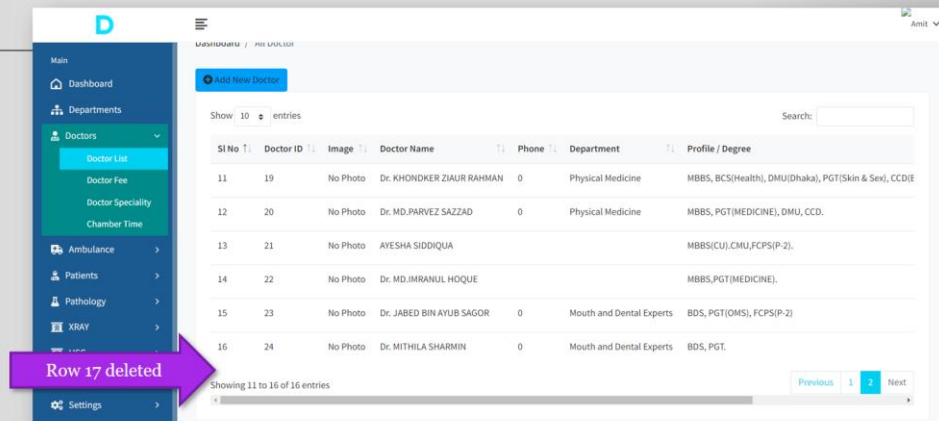
Deleting a row from the database



The screenshot shows a web application interface for managing doctors. On the left is a sidebar menu with options: Main, Dashboard, Departments, Doctors (selected), Doctor Fee, Doctor Speciality, Chamber Time, Ambulance, Patients, Pathology, XRAY, User Management, and Settings. The 'Doctors' menu item is expanded, and a purple arrow labeled 'Delete' points to the 'Delete' option. The main content area displays a table of doctors. The table has columns: Sl No, Doctor ID, Image, Doctor Name, Phone, Department, and Profile / Degree. Row 17 is highlighted with a purple border. Below the table, it says 'Showing 11 to 17 of 17 entries'.

Sl No	Doctor ID	Image	Doctor Name	Phone	Department	Profile / Degree
11	19	No Photo	Dr. KHONDKER ZIAUR RAHMAN	0	Physical Medicine	MBBS, BCS(Health), DMU(Dhaka), PGT(Skin & Sex), CCD(E
12	20	No Photo	Dr. MD. PARVEZ SAZZAD	0	Physical Medicine	MBBS, PGT(MEDICINE), DMU, CCD,
13	21	No Photo	AYESHA SIDDIQUA			MBBS(CU), CMU, FCPS(P-2),
14	22	No Photo	Dr. MD. IMRANUL HOQUE			MBBS, PGT(MEDICINE),
15	23	No Photo	Dr. JABED BIN AYUB SAGOR	0	Mouth and Dental Experts	BDS, PGT(OMS), FCPS(P-2)
16	24	No Photo	Dr. MITHILA SHARMIN	0	Mouth and Dental Experts	BDS, PGT,
17	25	No Photo	Dr. MD. AMINUL HOQUE	0	Orthopaedics	MBBS, BCS(Health), D-ORTHO,

Doctors List



The screenshot shows the same web application interface after deleting a row. The sidebar menu is the same. The main content area displays the same table of doctors, but row 17 has been removed. The table now shows rows 11 to 16. A purple arrow labeled 'Row 17 deleted' points to the 'Delete' option in the sidebar menu. Below the table, it says 'Showing 11 to 16 of 16 entries'.

Sl No	Doctor ID	Image	Doctor Name	Phone	Department	Profile / Degree
11	19	No Photo	Dr. KHONDKER ZIAUR RAHMAN	0	Physical Medicine	MBBS, BCS(Health), DMU(Dhaka), PGT(Skin & Sex), CCD(E
12	20	No Photo	Dr. MD. PARVEZ SAZZAD	0	Physical Medicine	MBBS, PGT(MEDICINE), DMU, CCD,
13	21	No Photo	AYESHA SIDDIQUA			MBBS(CU), CMU, FCPS(P-2),
14	22	No Photo	Dr. MD. IMRANUL HOQUE			MBBS, PGT(MEDICINE),
15	23	No Photo	Dr. JABED BIN AYUB SAGOR	0	Mouth and Dental Experts	BDS, PGT(OMS), FCPS(P-2)
16	24	No Photo	Dr. MITHILA SHARMIN	0	Mouth and Dental Experts	BDS, PGT,

Appointment

Book Doctors Appointment

Book Our Doctor

Add New Appointment

Date

Select Date

Full Name

Type Full Name


Age type only number

Type age

Mobile Number Type only number


Mobile Number


Send Your Appointment



Dr. Mohammad Jamal Hossen


MBBS, BCS (Health), FCPS(ENT), MD(ENT)

 MES

 03 600


View Profile


Book Now



Dr. Md. Yousuf

MBBS, BCS (Health), FCPS(ENT), MD(ENT)

 MES

 03 600

View Profile

Book Now

Book Doctors Appointment

Book Our Doctor

Add New Appointment

Date

08-04-2022

Full Name

Amit


Age type only number

22

Mobile Number Type only number


01601828117


Send Your Appointment



Dr. Mohammad Jamal Hossen


MBBS, BCS (Health), FCPS(ENT), MD(ENT)

 Hospital Management System

 03 600


View Profile


Book Now



Dr. Md. Yousuf

MBBS, BCS (Health), FCPS(ENT), MD(ENT)

 Hospital Man

 03 600

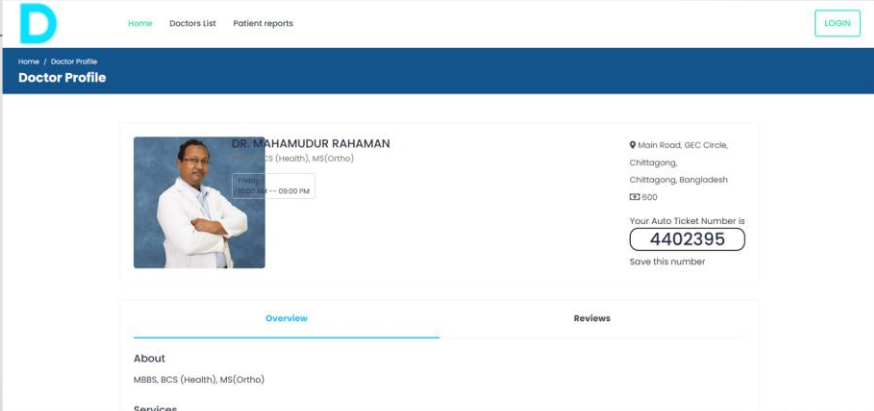
View Profile

Book Now

[15]

Book Doctors Appointment

An auto generated ticket number is provided



The screenshot shows a web application for booking doctor appointments. The header includes a logo 'D', navigation links for Home, Doctors List, and Patient reports, and a LOGIN button. The main content area displays the profile of Dr. Mahamudur Rahaman, an MBBS, BCS (Health), MS(Ortho) doctor. A photo of the doctor is shown next to his name and qualifications. Below the photo, there is a section for 'About' and 'Services'. To the right of the photo, the doctor's location is listed as Main Road, GEC Circle, Chittagong, Bangladesh, with a phone number 600. A prominent feature is the 'Your Auto Ticket Number is 4402395', which is highlighted in a rounded rectangle. Below the ticket number, there is a link to 'Save this number'. The page also has tabs for 'Overview' and 'Reviews'.

Home / Doctor Profile

Doctor Profile

DR. MAHAMUDUR RAHAMAN
MBBS, BCS (Health), MS(Ortho)

Main Road, GEC Circle,
Chittagong,
Chittagong, Bangladesh
600

Your Auto Ticket Number is
4402395
Save this number

Overview **Reviews**

About
MBBS, BCS (Health), MS(Ortho)

Services

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

We have a far goal to achieve. Now we are implementing some of our ideas. It is on the testing level. It is now in beta version and getting reviews from the users. It will help us to grow and to get our flaws. We are trying to improve our project day by day and implementing new thoughts

Future scopes

- Anyone can consult with foreign experts throughout our platform.
- We can make business opportunities for foreign investors.
- It will create job opportunities for unemployed people.
- We can have the advance technologies and expand our project
- We can have the market advantages. As the market can be easily accessed.
- We can provide some unique features and can get the clients.
- Our platform is very easy to use. Anyone can use this app. It will provide the comfort.

CHAPTER 7

REFERENCES

<https://laragon.org/>

<https://www.mysql.com/>

<https://codeigniter.com/>

<https://www.php.net/>