



North South University
Department of Electrical & Computer Engineering
Project Report

Project Name: DoorStep

Course Code: CSE311

Section: 1

Submitted by

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Introduction

Providing healthcare for over 160 million people is always a difficult task. Even if that is available, sourcing the prescribed medicines is even more difficult. If that ailment is uncommon requiring special drugs, the problem is serious.

Our project, Doorstep, is an e-commerce site that is based on supply of medicines and delivering them to customers as early as possible within a reasonable cost. Just like any other delivery application, this site allows user to order any kind of medicine. Our goal is to create chances for everyone to have reach of any kind of medicines or prescribed drugs they'd need. The bonus feature to this delivery site is that it'd have profiles of doctors from all around the city or country for the users to communicate with. There'll be Q/A option for the users or patients to ask questions directly. Moreover, there are different pharmacy stores to choose to buy medicines from. The reason behind this project idea is that there are people still out there who're deprived of instant medical care. Our research shows that due to the pandemic situation, it has been very difficult on customers' part to order medicines for home delivery. Our project focuses on eradicating those kinds of problems and many more. This project is now entirely software-based as the course itself demands. But we do believe we'll gain quite an experience to do better in the future by the time this project is completed.

The motives of the project

This e-commerce site is mainly for delivering medicines.

1. Customers, doctors and administrators can register on the site.
2. Accounts can be accessed by the Admin from any location.
3. The data will be kept on the cloud, which will allow the customers to check their records, such as their previous order, anywhere at any time.
4. The store owners will be able to administer and keep track of their sale.
4. Digital payment method will be introduced in order to make payment or exchange of money easier for both the customers and the store owners.
5. The pharmacy or store owner can monitor or update the information of his store at his/her convenience.

System requirements:

Functional requirements:

System must be able to verify information through email.

System must be able to store information in the database.

System must be able to modify or retrieve information when required by the admin.

User ID would be provided when the customer or doctor registers.

There'll be categories for user profiles of doctors and customers

The user must be able to log out after he's done with his work.

System must have the search option for the users to look for any kind of destination or product.

System must be able to process information from the database.

Features:

Here is a list of all the features of this system for the customers:

1. Customer Login option
2. Customer sign-up page.
3. Search Item.
4. Requesting for a medicine feature.
5. Medicine information
6. Doctor's profile
7. Store/Pharmacy section.
8. Cart
9. Order receipt

Here is a list of features for the admins:

1. Access to all customer's information
2. Access to product's information
3. Access to all customer's receipt
4. Administering prices of products
5. Adding new products to the database
6. Access to total amount sold
7. Access to product status

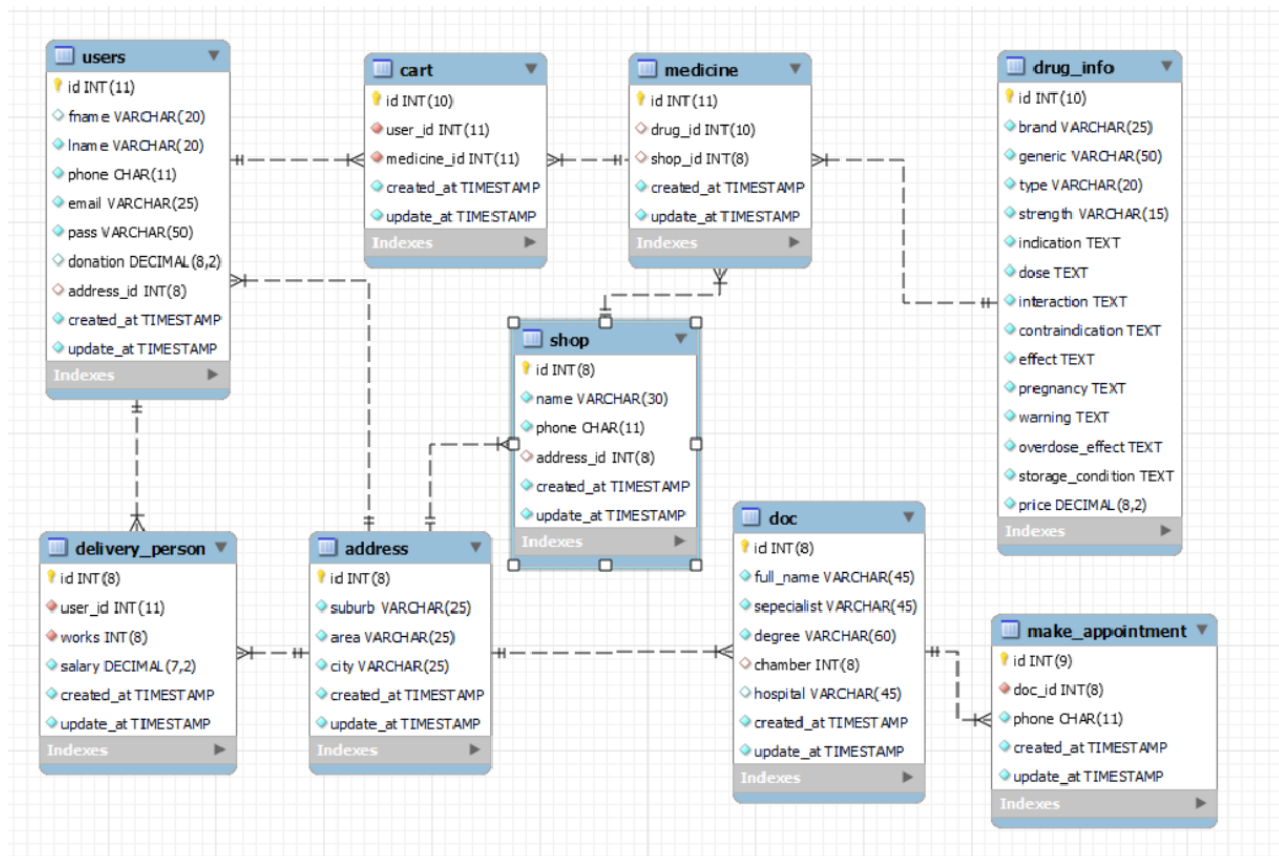
Some of the errors we faced while creating the website:

1. Positioning objects with HTML was difficult.
2. Designs (of the site) with HTML were clashing.
3. Automatic aspect ratio couldn't be implemented on CSS, so couldn't conclude in making the objects of the site dynamic.

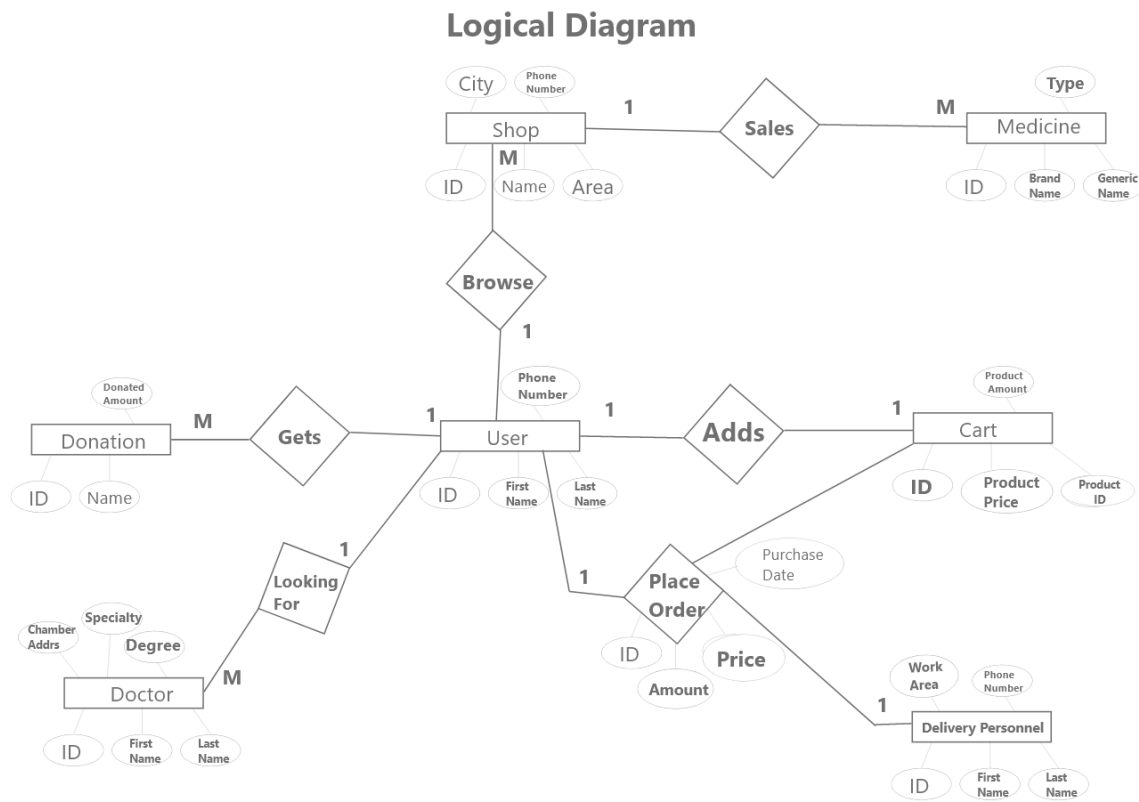
4. Implementing animations like “transitioning” with JavaScript into objects or pages in the site was difficult.
5. Couldn’t show the data values with PHP that was fetched with JavaScript.
6. Faced difficulty in relating/connecting one page of the site with another with MySQL.
7. Couldn’t implement the updating option for adding any changes.
8. Faced difficulty in connecting the two databases with Xampp.

Diagrams for the project:

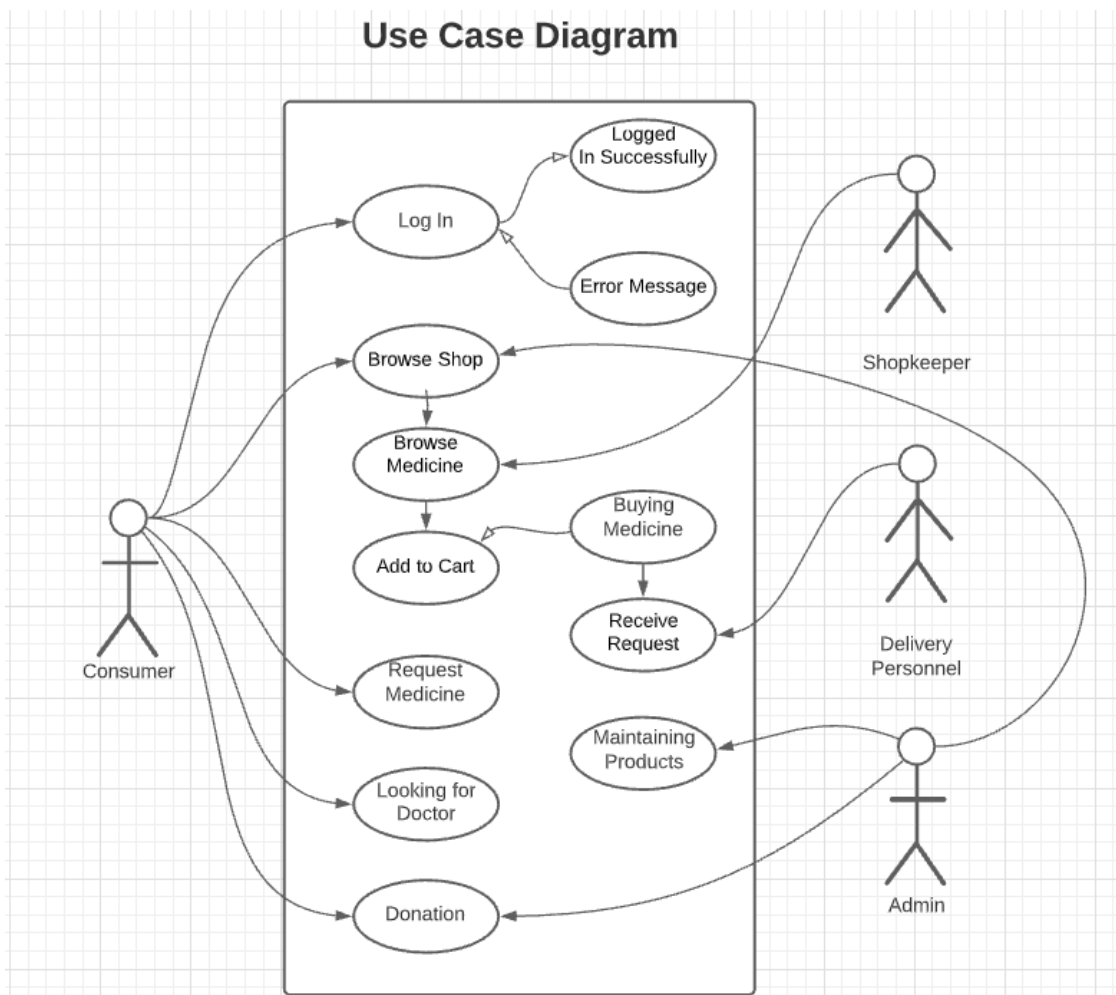
Doorstep ER Diagram



Logical Diagram



Use Case Diagram



Some of the pages of the web pages of the site:



Medicine

Need information on the medicine you're taking? Well, look no further! Doorstep is here to answer all the questions you might have. Just go to the Medicine Database and lookup whatever medicine you need. Brand name or Pharmaceutical name, we can look up both!

Doctor

Our Certified Doctors are here to help! Go to the doctors tab up top to check in with doctors or even book a session! You can find all the information you need before you choose them! Achievements, time, pricing everything is available!



Welcome Back to DoorStep

Email

Password

☐ Remember Me

[Forgot Password](#)

Don't have an account, click [here](#)

DoorStep

Medicine Doctor Shop Add Drug Account

Welcome to DoorStep

First Name

First Name

Last Name

Last Name

Email

Enter Email

Password

Enter Password

Confirm Password

Enter Password

Phone Number

Phone Number

Address

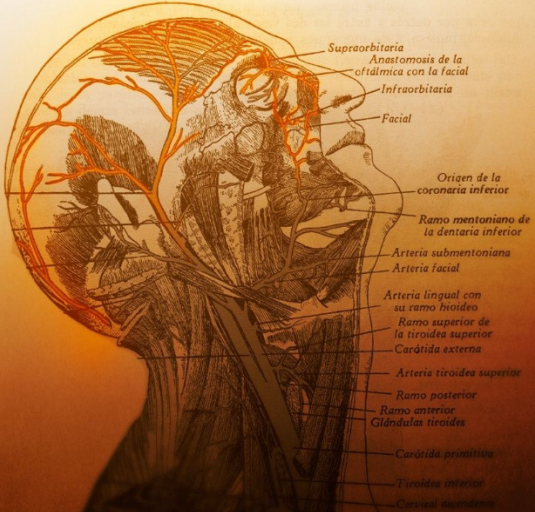
suburb

Area


City

Sign Up

Already have an account, click [here](#)



DoorStep

Medicine Doctor Shop Add Drug Account Profile 

Search By:

Brand Name

Or

Generic Name

Search

Aces

Paracetamol
500 mg
Square Pharmaceuticals Ltd.
Unit Price: ₺ 0.80

Napa

Paracetamol
500 mg
Beximco Pharmaceuticals Ltd.
Unit Price: ₺ 0.80

Antacid Max

Aluminium Hydroxide + Magnesium Hydroxide +
Simethicone
400 mg+400 mg+30 mg
Beximco Pharmaceuticals Ltd.
Unit Price: ₺ 2.00

Bicozin

Vitamin B Complex + Zinc
5 mg + 10 mg
Square Pharmaceuticals Ltd.
Unit Price: ₺ 3.00

CalCor-D

Calcium Carbonate [Coral source] + Vitamin D3
500 mg+200 IU
Pacific Pharmaceuticals Ltd.
Unit Price: ₺ 10.01

Paloxi DT

Palonosetron
0.5 mg
Beacon Pharmaceuticals Ltd.
Unit Price: ₺ 22.00

Alcet

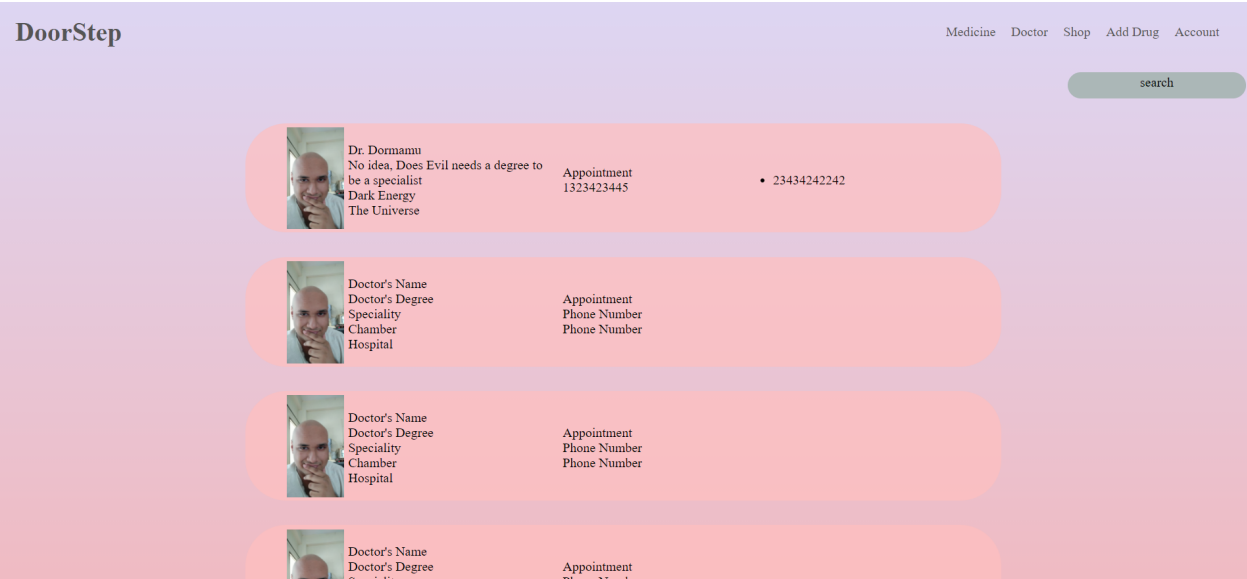
Levocetirizine Dihydrochloride
5 mg
Healthcare Pharmaceuticals Ltd.
Unit Price: ₺ 4.50

Doxicap

Doxycycline Hydrochloride
100 mg
Renata Limited
Unit Price: ₺ 2.20

Fenofex

Fexofenadine Hydrochloride
120 mg
Incepta Pharmaceuticals Ltd.
Unit Price: ₺ 8.00



HTML and CSS version of the homepage the website:

Result Grid						
Filter Rows:						
	id	suburb	area	city	created_at	update_at
▶	1	Bashundhora	Baridhara	Dhaka	2021-09-05 00:37:45	2021-09-05 00:37:45
	2	Noton Bazar	Baridhara	Dhaka	2021-09-05 00:37:45	2021-09-05 00:37:45
	5	New Market	Chawlkazar	Chittagon g	2021-09-05 00:37:45	2021-09-05 00:37:45
	9	Sunapur	Maizdi	Nowakhali	2021-09-05 00:37:45	2021-09-05 00:37:45
	10	Janina	Eitao Janina	Narayanganj	2021-09-05 11:54:36	2021-09-05 11:54:36
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid						
Filter Rows:						
	id	name	phone	address_id	created_at	update_at
▶	3	Murir Teen Medical Stor	01722222222	2	2021-09-05 00:39:56	2021-09-05 00:39:56
	4	Kala kaowa Drug Shop	01866666666	1	2021-09-05 00:39:56	2021-09-05 00:39:56
	7	Jibon Drug Shop	01266666666	2	2021-09-05 00:39:56	2021-09-05 00:39:56
	8	Ali Drug Store	01577777777	5	2021-09-05 00:39:56	2021-09-05 00:39:56
*	NULL	NULL	NULL	NULL	NULL	NULL

References:

1. <https://www.w3schools.com/html/>
2. <https://www.w3schools.com/css/default.asp>
3. <https://www.w3schools.com/js/default.asp>
4. <https://www.w3schools.com/php/default.asp>
5. https://www.w3schools.com/howto/howto_js_cascading_dropdown.asp
6. <https://stackoverflow.com/questions/1808108/how-to-access-php-variable-s-in-javascript-or-jquery-rather-than-php-echo-vari?fbclid=IwAR27y69bGlbk6rNXfulaWahF0HOXBPIiKPAuMxzzDIInr-1MO1oZVgvmnmA>