



University Of Asia Pacific

CSE 310: Object Oriented Programming II Lab: Visual and Web Design

Project Documentation

MEDICINE CHAI

Submitted to

Durjoy Mistry

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Submitted by

Group Name: BEPROGRAMMER24

Group Number: Team 2

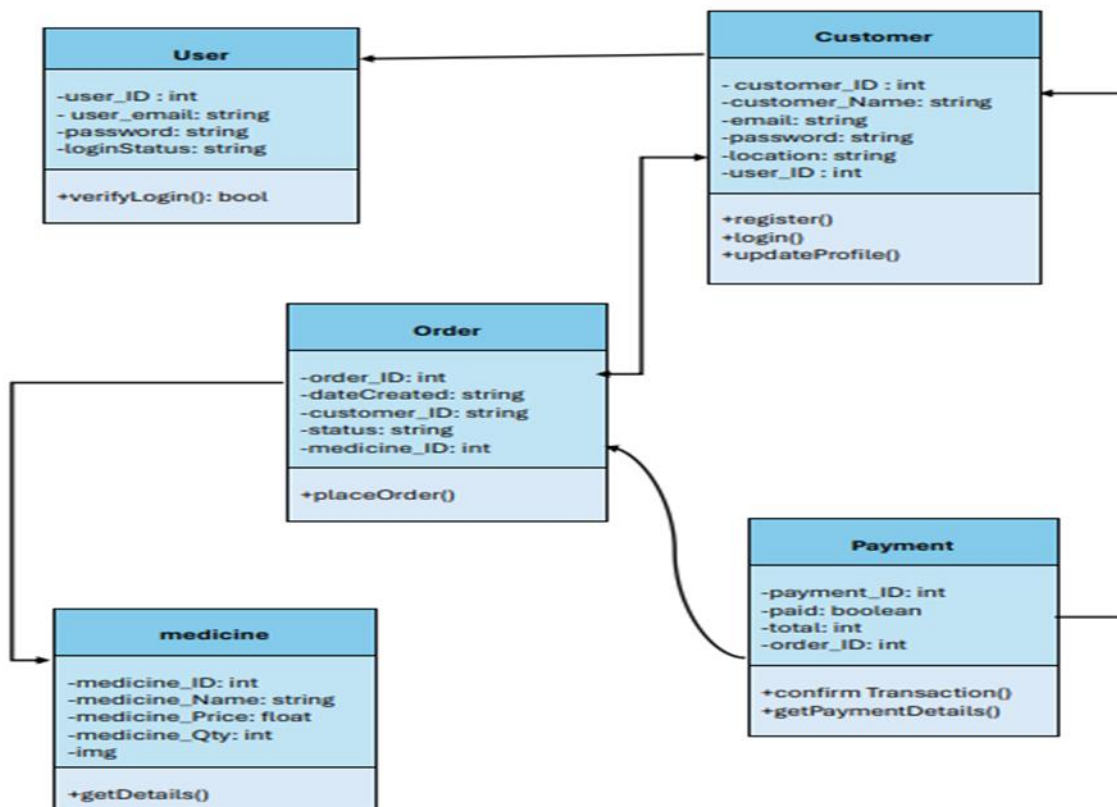
Name	Registration ID
Labanya Saha	21201059
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Introduction

Welcome to Medicine Chai. Our primary objective is to enhance convenience by providing prompt delivery of all necessary medications. Through our website, you can access 24-hour service, thereby saving valuable time.

The motivation behind Medicine Chai stems from the desire to reduce the distance between patients and essential medicines. In the current digital era, marked by the proliferation of digital solutions to simplify various aspects of life, we identified an opportunity to use technology to streamline drug procurement. Our mission is to enable individuals to proactively manage their health by providing a platform that facilitates convenient access to high-quality healthcare products.

Class Diagram



Project Structure

Outline the apps along with their models and their purpose

Medicine App

Models:

1)Product

User can see about medicine

2)Customer

from .models import Customer

class LoginForm(AuthenticationForm)

here user can login using user name and password

if they do not have id they can register in here registration form

class CustomerRegistrationForm(UserCreationForm):

user information

password setup model class

Having customer can change their password also attach with it Also include in here customerprofileinform

3) Cart

In class Cart ,user add product which on they buy.

4) Payment

where user can Pay.

5) in order placement

User check when the product deliver

Document each Django model used in the project, including its purpose, fields, and relationships with other models.

1.Product

Purpose: Represents Medicine details.

Fields:

title = models.CharField(max_length=100)

selling_price = models.FloatField()

discounted_price = models.FloatField()

```
quantity = models.IntegerField(null=True)
description = models.TextField(default='')
category = models.CharField(choices=CATEGORY_CHOICES, max_length=2)
product_image = models.ImageField(upload_to='product')
```

Relationships:None.

2.Customer

Purpose: Represents a customer of the system.

Fields:

```
user = models.ForeignKey(User, on_delete=models.CASCADE)
name = models.CharField(max_length=200)
locality = models.CharField(max_length=200)
city = models.CharField(max_length=50)
mobile = models.IntegerField(default=0)
zipcode = models.IntegerField()
state = models.CharField(choices=STATE_CHOICES, max_length=200)
```

Relationships: one to many relationship with product & Customer

This model customer also define

forms.py

purpose:Login,regastration,update,change password,set password

```
class LoginForm(AuthenticationForm):
    username = forms.CharField(widget=forms.TextInput(attrs={'autofocus ':'True',
    'class':'form-control'}))
    password = forms.CharField(widget=forms.PasswordInput(attrs=
    {'autocomplete':'current-password','class':'form-control'}))
```

```
class CustomerRegistrationForm(UserCreationForm):
    username = forms.CharField(widget=forms.TextInput(attrs={'autofocus ':'True',
    'class' : 'form-control'}))
    email = forms.EmailField(widget=forms.
    EmailInput(attrs={'class':'form-control'}))
    password1 = forms.CharField(label='Password',widget=forms.PasswordInput
    (attrs={'class': 'form-control'}))
    password2 = forms.CharField(label='Confirm Password',widget=forms.
    PasswordInput(attrs={'class':'form-control'}))
```

```
class Meta:
    model = User
    fields = ['username','email','password1','password2']
```

```

class MyPasswordChangeForm(PasswordChangeForm):
    old_password = forms.CharField(label='Old Password',widget=forms.PasswordInput
    (attrs={'autofocus':'True','autocomplete':'current-password','class':'form-control'}))
    new_password1 = forms.CharField(label='New Password',widget=forms.PasswordInput
    (attrs={'autocomplete':'current-password','class':'form-control'}))
    new_password2 = forms.CharField(label='Confirm Password',widget=forms.PasswordInput
    (attrs={'autocomplete':'current-password','class':'form-control'}))

```

```

class MyPasswordResetForm(PasswordResetForm):
    email=forms.EmailField(widget=forms.EmailInput(attrs={'class':'form-control'}))

```

```

class MySetPasswordForm(SetPasswordForm):
    new_password1 = forms.CharField(label='New
    Password',widget=forms.PasswordInput(attrs=
    {'autocomplete':'current-password','class':'form-control'}))
    new_password2 = forms.CharField(label='Confirm
    New
    Password',widget=forms.PasswordInput(attrs=
    {'autocomplete':'current-password','class':'form-control'}))

```

Its relation with customer one to one

```

class CustomerProfileForm(forms.ModelForm):
    class Meta:
        model = Customer
        fields=['name','locality','city','mobile','state','zipcode']
        widgets={
            'name':forms.TextInput(attrs={'class':'form-control'}),
            'locality':forms.TextInput(attrs={'class':'form-control'}),
            'city':forms.TextInput(attrs={'class':'form-control'}),
            'mobile':forms.NumberInput(attrs={'class':'form-control'}),
            'state':forms.Select(attrs={'class':'form-control'}),
            'zipcode':forms.NumberInput(attrs={'class':'form-control'}),
        }
    here customer change their profile information

```

3. cart

Customer add in here product

Fields:

```

class Cart(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    product = models.ForeignKey(Product, on_delete=models.CASCADE)
    quantity = models.PositiveIntegerField(default=1)

```

relationship many to many with customers & one to many with products

4. Payment

Customer Can payment

```
class Payment(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    amount = models.FloatField()
    bikaspay_order_id = models.CharField(max_length=100, blank=True, null=True)
    bikaspay_payment_status = models.CharField(max_length=100, blank=True, null=True)
    bikas_payment_id = models.CharField(max_length=100, blank=True, null=True)
    paid = models.BooleanField(default=False)
```

relationship with customer one to many & with product:One to many

5. Place order

```
class OrderPlace(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    customer = models.ForeignKey(Customer, on_delete=models.CASCADE)
    product = models.ForeignKey(Product, on_delete=models.CASCADE)
    quantity = models.PositiveIntegerField(default=1)
    ordered_date = models.DateTimeField(auto_now_add=True)
    status = models.CharField(max_length=50, choices=STATUS_CHOICES, default='pending')
    payment = models.ForeignKey(Payment, on_delete=models.CASCADE, default='')
    Relations ship with customer one to one
    with product many to one.
```

Installation and Setup

Outline the steps required to set up the project locally, including installation of dependencies and configuration of environment variables

- pip install Django
- pip install pillow
- django admin startproject MedicineWeb
- django admin startapp medicine
- INSTALLED_APPS = [

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

'medicine',

]

STATIC_URL = 'static/'

MEDIA_URL = '/media/'

MEDIA_ROOT = BASE_DIR/'media'

LOGIN_REDIRECT_URL = '/profile/'

Default primary key field type

<https://docs.djangoproject.com/en/5.0/ref/settings/#default-auto-field>

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

EMAIL_BACKEND = "django.core.mail.backends.console.EmailBackend"

➤ pip install requirement.txt

Outline the requirements.txt of the project.

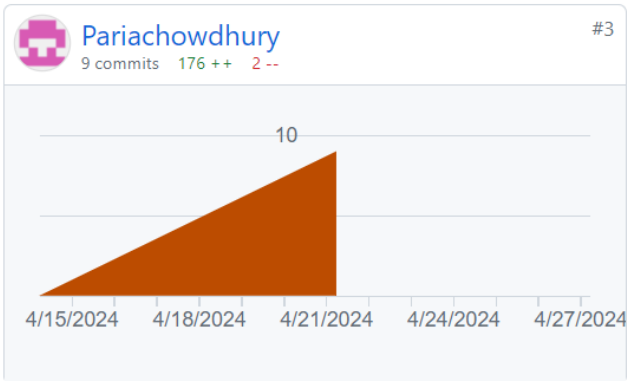
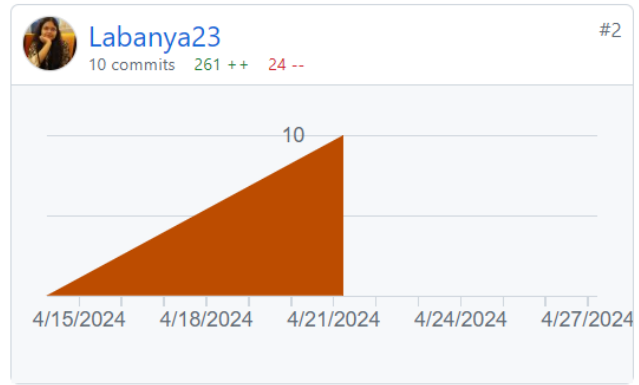
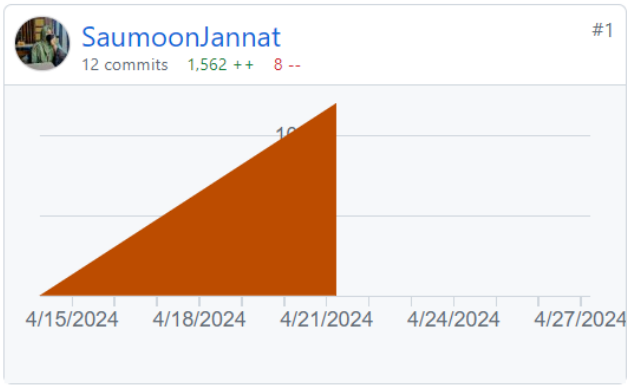
- asgiref==3.8.1
- Django==5.0.4
- pillow==10.3.0
- sqlparse==0.5.0
- tzdata==2024.1

Contribution

➤ [github link](#)

<https://github.com/SaumoonJannat/MedicineWeb.git>

➤ screenshot of the of contribution of each member



➤ contribution table

Table 1: Contribution of each member

S L	First Name	Reg ID	Github username	Number of Commits	No of Lines added	No of Lines deleted
1	Labanya Saha	21201059	Labanya23	10	261	24
2	Jannatun Saumoon	21201066	SaumoonJannat	12	1562	8
3	Paria Chowdhury	21201067	Pariachowdhury	9	176	2

Attaching screenshot of key features along with short explanation

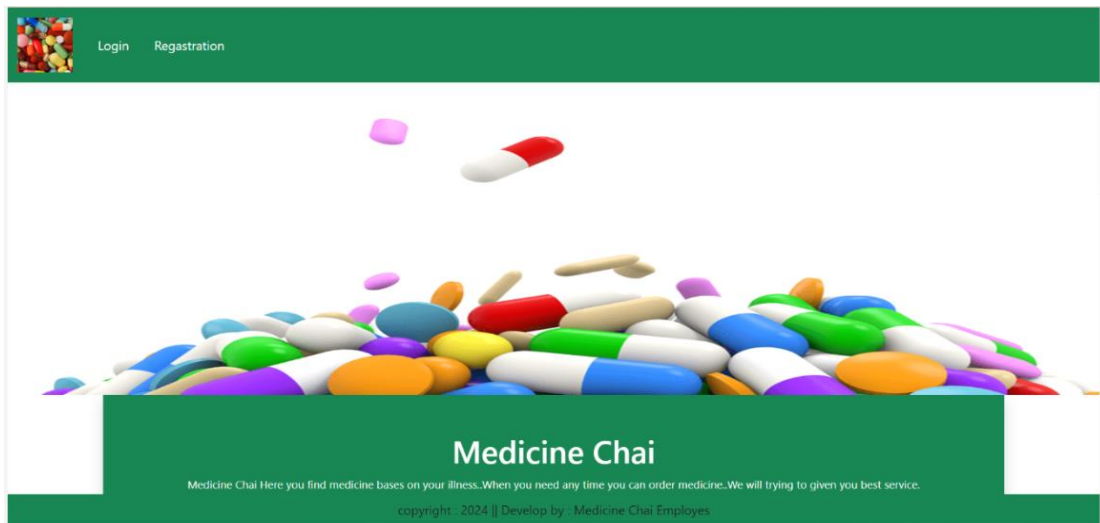


Fig: for new user

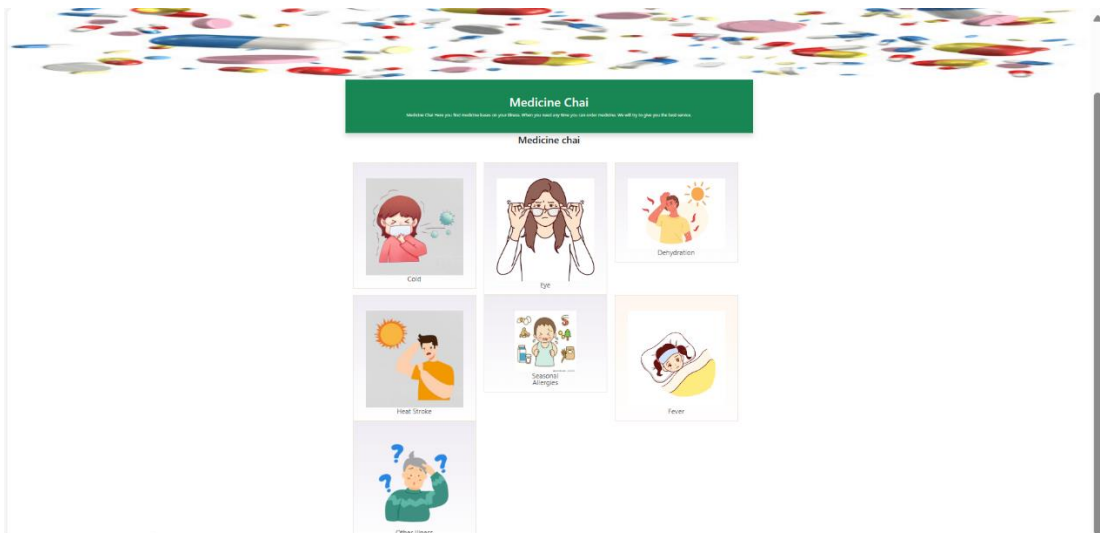


Fig: Home page

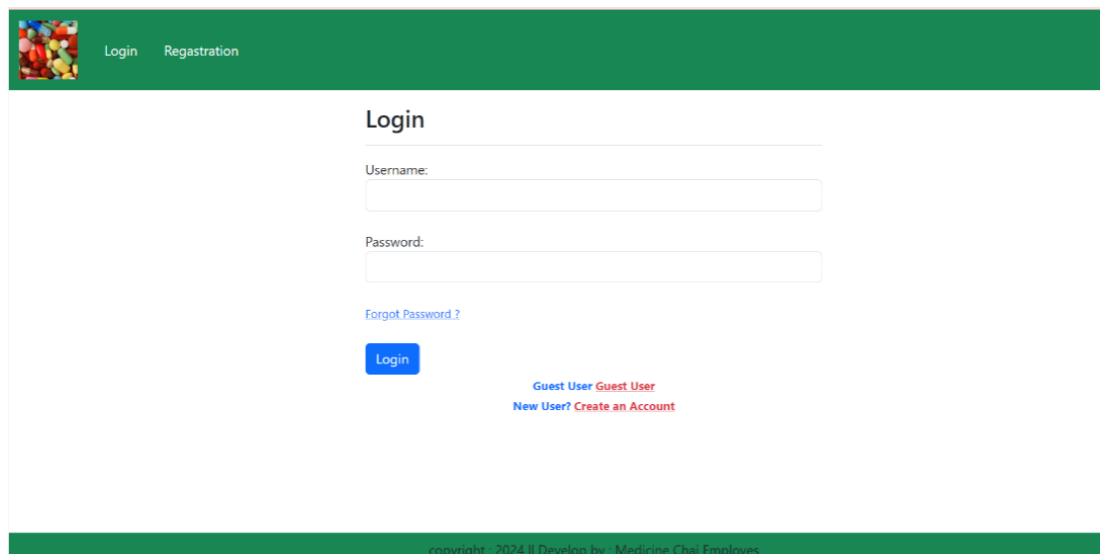



Fig: Login page

 [Login](#) [Regastration](#)

Customer Registration

Username:

Email:

Password:


Confirm Password:

Submit

Existing User? [Login Now](#)

copyright : 2024 || Develop by : Medicine Chai Employees

Fig: Registration page

 [Home](#) [MedicineChai](#) [About Us](#) [Contact Us](#) [Users](#) [Cart 4](#)

Welcome User

Profile

Address

Address 1

Name: saumoon

Locality: Bangladesh

Mobile:12345678910

City:dhaka

state:Dhaka

Pincode:23232

Update

Address 2

Name: moon

Locality: Bangladesh

Mobile:880123456789

City:Gaibandha


state:Rangpur

Pincode:23232

Update

Copyright : 2024 || Developed by : Medicine Chai Founders

Fig: User Profile page

 [Home](#) [MedicineChai](#) [About Us](#) [Contact Us](#) [Users](#) [Cart 4](#)

WelcomeUser

Change Password

Old Password:

New Password:

Confirm Password:

Submit

Copyright : 2024 || Developed by : Medicine Chai Founders

Fig: Changing Pass



Fig: Medicine Library

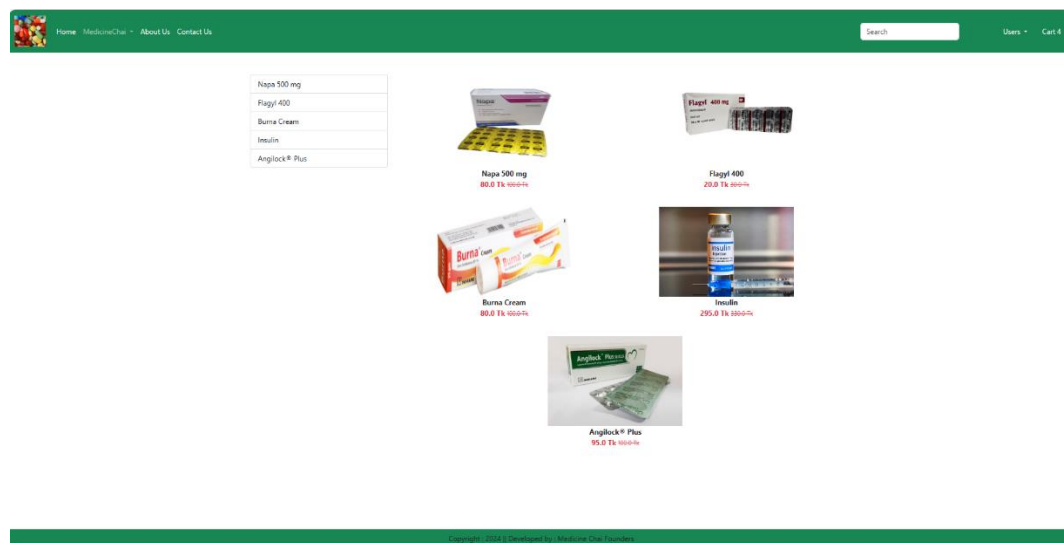


Fig: Medicines

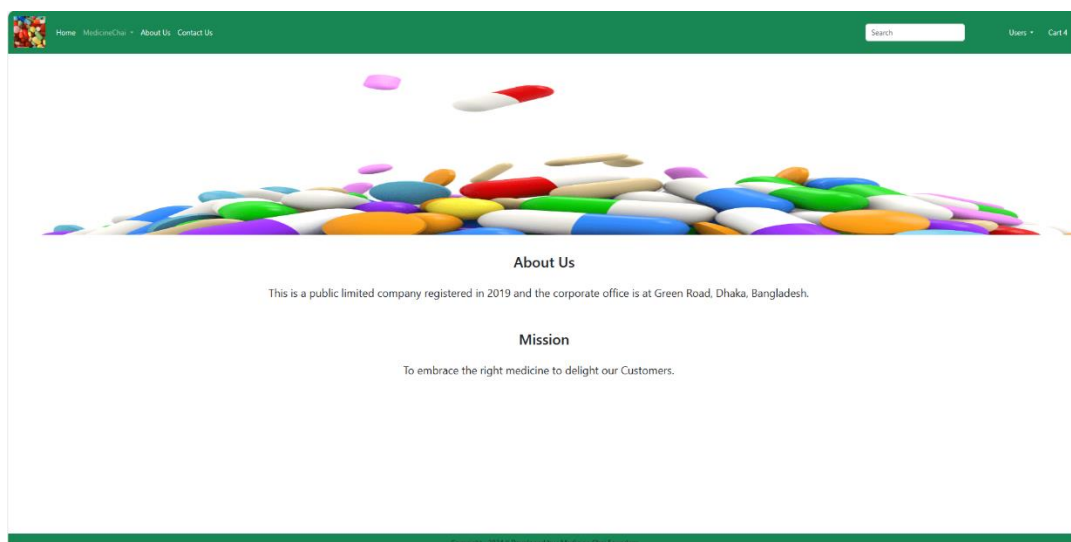


Fig: About Us

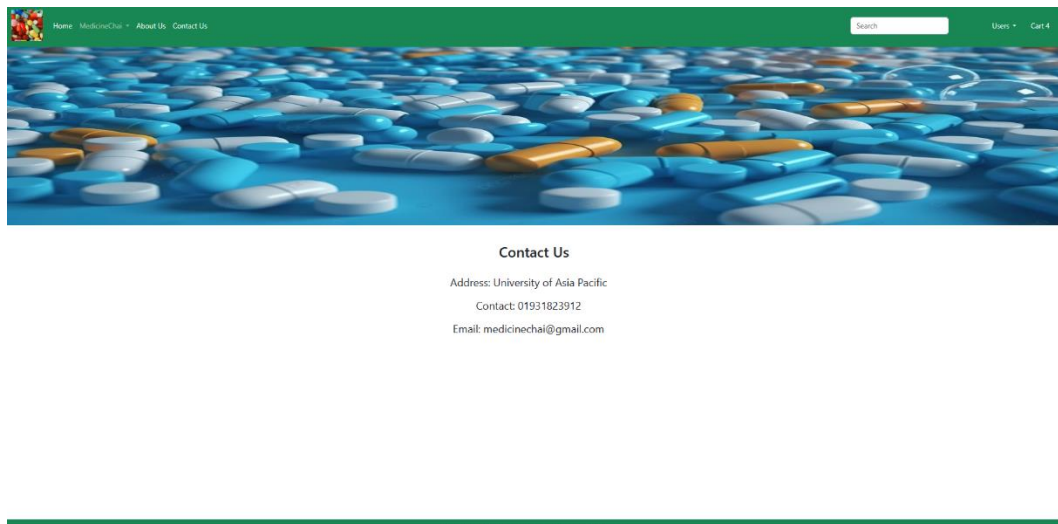


Fig:Contact Us