

**A**  
**Project Report**

**On**

**“Unnavigated”**

[A Travel-Blogging social website]

**Submitted by**

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Roll No.: 20222

Class: **MCA- I**

**Guided by**

Prof. Dipali P. Patil

**For the Academic Year 2021-22**



**Sinhgad Institutes**

Sinhgad Technical Education Society's  
SINHGAD INSTITUTE OF MANAGEMENT,

Vadgaon Bk, Pune

(Affiliated to Savitribai Phule Pune University, Approved by AICTE &  
Accredited by National Board of Accreditation, New Delhi).

**Date:-**

## **CERTIFICATE**

This is to certify that Ms. Shivani M. Awatade, has successfully / partially completed his/her project work entitled “**Unnavigated (A Travel-Blogging social website)**” in partial fulfillment of MCA-I SEM-II Mini Project for the year 2021-2022. He / She have worked under our guidance and direction.

All help received by her from various sources have been duly acknowledged. No part of this project has been submitted elsewhere for award of any other degree.

**Prof. Dipali P. Patil**  
**Project Guide**

**Dr. Chandrani Singh**  
**Director, SIOM-MCA**

**Examiner 1**

**Examiner 2**

**Date:**

**Place: Pune**

## **DECLARATION**

I certify that the work contained in this report is original and has been done by me under the guidance of my supervisor(s).

- The work has not been submitted to any other Institute for any degree or diploma.
- I have followed the guidelines provided by the Institute in preparing the report.
- I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- Whenever I have used materials (data, theoretical analysis, figures, and text) from other sources, I have given due credit to them by citing them in the text of the report and giving their details in the references.

**Name and Signature of Project Team Members:**

<b>Sr. No.</b>	<b>Seat No.</b>	<b>Name of students</b>	<b>Signature of students</b>
<b>1</b>	<b>20222</b>	<b>Shivani Mukesh Awatade</b>	

## **ACKNOWLEDGEMENT**

I have immense pleasure in expressing our sincerest and deepest sense of gratitude towards our guide Prof. Dipali P. Patil for the assistance, valuable guidance and co- operation in carrying out this Project successfully. I have developed this project with the help of Faculty members of our institute and I am extremely grateful to all of them. I also take this opportunity to thank Head of the Department Dr. Chandrani Singh, for providing the required facilities in completing this project. I am greatly thankful to our parents, friends and faculty members for their motivation, guidance and help whenever needed.

**Thank You,**

**Student Name: Shivani Mukesh Awatade**

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# **INTRODUCTION**

## Chapter 1: INTRODUCTION

“Unnavigated” is a social as well as a travel blogging web based application. It will help users explore the unexplored i.e. it will provide them with information about the lesser known places out there. One can also register themselves on this website and share their experiences along with pictures thus helping others with real-time experiences. It’ll also help small businesses grow with growing no. of visitors around such places. With the help of recent reviews, one can plan their travel accordingly through the same platform as it’ll be developed in a collaborative manner with ticket/hotel booking websites.

This project is made using python programming language. As it is a web application, its UI is designed using Django Framework using HTML/CSS templates. Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It’s free and open source.

The objective of this project is to introduce a platform where people can share their travel experiences with others and help them plan their travel hassle-free. One referring this website can be prepared enough by learning through other’s experiences and plan their trip conveniently.

People using this website will get a lot of help plan their travel. Features like “like”, “comment”, will motivate to share more of their experiences. The “save” option will help the ones referring to one’s blog, save it later for reference and convenience to find it when they come back thus eliminating the need to search through a long feed of posts. They can even “Follow” a particular blogger they find interesting and can explore more of their experiences by following them and having their posts appear in their personalized feed.

Users can also subscribe themselves to get more of travel coupons and discounts. This website will provide an opportunity for their users to go for booking their tickets and accommodations via a section called “Trip Coordinators” and can plan everything pre-handedly.

This website’s UI has been designed in a user-friendly way and one can easily Login/Signup and access it very easily.

## 1.1 Existing System and Need for System

- **Existing System:** The current system is manual. It has a high risk of data loss and includes a lot of paper work and maintenance. The present system does contribute itself to the world but not in all every way. It lacks detailed and accurate information all at one place. One may or may not get the desired part of information as it isn't available at single platform. The user has to hustle through multiple travel agencies/people who have been to a certain destination for gathering information, as it is scattered all over and it may confuse the user which one to prefer.

The current system lacks convenience. The data isn't saved and maintained properly and the user's feedback isn't taken care of. Many such flaws are needed to overcome to develop an ideal website which will mark its share for making things convenient for users.

Making a manual system into computerized system is not an easy task, especially due to the complexity of work it involves. To serve better to users is the aim of every management, but the present working system doesn't seems to work properly.

Following are the flaws of current system:

- A customer's personal information can be leaked by any one even the owner so security is not so ensured in manual form.
- Working manually is always hectic and time consuming. If the user wants to plan their travel, he/she has to interview people themselves or approach a travel agent for the same.
- Saving and maintaining data with accuracy is a difficult task.
- It is difficult achieve accurate information regarding a certain location in the manual system.



- **Need for System:** A system which will prevent data loss and can be managed easily is required. It will hold data in the database which can be manipulated or viewed easily when required. In order to drive the objective of the project, the system is selected in such a way so that it would satisfy all the requirements of the project. It also helps to get the desired output.

In today's world of technology where every aspect of the life is computerized so that the system used should be efficient and accurate. If we use the old techniques, we can access only a limited amount of a data and accuracy of the obtained result isn't assured. A platform which is completely designed for maintaining user data and health statistics is the need of the hour because it will facilitate the users maintaining data of interest. The new system is required to save resources such as time and manpower, which are valuable in the present scenario of system. The new system helps us handle large database in a smooth manner and also makes the updation of data very easy.

This project will be user friendly. It will provide quick performance application and provide correct output. Accuracy and efficiency is an ordinary function of this project.

## 1.2 Scope of Work

- **Current scope:**

Currently this project is designed as a web application. It has been developed using Django framework in python.

- **Future scope:**

This project can be further extended as an android app and can have many more features like connected APIs, Reviewing system etc. We can also extend it by adding a live-location feature etc. so that one can share their location with their fellow-followers thus providing them with accurate location. We can also add tabs like personalized travel plans and travel product shopping etc.

## 1.3 Operating Environment - Hardware and Software

- **Server side requirement**

- 1. Hardware Requirements**

**Processor** - 2.8 GHz 64-bit

**RAM** - 2 GB

**HDD** - 64 GB (minimum)

- 2. Software Requirements:**

**Operating System**

**Database** – dB SQLite with Python

**Front End** – Django (HTML/CSS)

**Server Side Script-** Python

**Software Development Tool** - PyCharm

- **Client side requirement**

- 1. Hardware Requirements:**

**Processor** – 2.8 GHz 32-bit

**RAM** – 4GB

**HDD** – 64 GB

- 2. Software Requirements:**

**Operating System-** Windows 8 or later, mac OS Sierra 10.12 or later

**Browser** - Google Chrome 54 or later, Mozilla Firefox ESR 45 or v48 or later

## **PROPOSED SYSTEM**

## **Chapter 2: PROPOSED SYSTEM**

### **2.1 Proposed System (Introduction of system)**

The current system is manual and holds lots of paper work. It has lot of limitations and barrier. There is a risk of data loss, security, accuracy, etc. A more reliable infrastructure is required to prevent the user data from all these barriers.

An interactive and dynamic website for travel bloggers and travelers which provides all the information and lets them post their blogs, also collaborates with hotel and ticket booking websites through APIs for ease of user in getting all facilities at one place.

This project is developed using python programming language which provides security in the form of data abstraction and encapsulation.

Data abstraction is a OOPs concept and is basically the reduction of a particular body of data to a simplified representation of the whole. Abstraction, in general, is the process of taking away or removing characteristics from something in order to reduce it to a set of essential characteristics.

Data Encapsulation is another OOPs concept that bind a group of related properties, functions, and other members are treated as a single unit. Class is the best example of Data Encapsulation. It sometimes referred to as data hiding that prevents the user to access the implementation details.

As it is a desktop application, its UI is designed using Django Framework. Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source. Django was designed to help developers take applications from concept to completion as quickly as possible. Django takes security seriously and helps developers avoid many common security mistakes. Some of the busiest sites on the web leverage Django's ability to quickly and flexibly scale.

## **2.2 Module specifications**

### **A. Home Page with Login/Sign up option**

This is the first appearing screen/main gateway of the project. It provides the user with a feed that contains all the posts of every user that has ever been posted; and options like login, sign up, where users can join the community and explore additional features, About us option to know more about the “Unnavigated” community, and trip coordinators page for the reference for user to plan their trip.

### **B. Login / Sign up pages**

This is the second module of the project. This is where existing users can login and new users can sign up using their respective credentials and information.

### **C. Edit user details/ reset password**

Here the user if they wish to can modify/edit the user details and update them. Also one can reset their password if they wish to.

### **D. User Personalized Feed**

This is where the user can explore more of the content that has been posted on the platform. It has been provided in two ways. One being “All posts” where the users can go through every posts that has been posted by any user, and “Following” section so the users gets to see the filtered version of their feed i.e., in this section they can view the posts of only people they are interested in and follow.

### **E. Like, comment and save functionality**

These are the options with the help of which the user can let another user know what they think about the content posted by them. These statistics help one be motivated to share more of their experiences. The “like” function helps user to convey that they like the content posted by another user. The “comment” option helps them express their opinion in brief; and the “save” option lets the user save the post later for viewing so that they don’t have to search through series of other posts.

## **F. Create Post functionality**

This feature lets user share their experience in a written form (text) or visual form (pictures). They can also edit or delete it later if they want to.

## **G. User Profile**

This feature lets the user to showcase who they are and what are their experiences. It a combine platform in a timeline form where users can view/edit posts created by them in a timely manner. One can even visit another user's profile and view their timeline.

## **H. Follow other user**

Using this option, one can get more of the person whose content they are interested in. They just have to hit the follow button in suggestions menu or visit their profile and find the same button there as well.

## **1.3 Objectives of System**

### **1. A platform to share opinions**

This project provides a common platform for the people with a common interest i.e. “Travel”. Here people can come together and share their experiences about their trips. They can share the lesser known places they explored, the perfect time of the year to visit this place, what and how much to carry, the ways to reach this place and all such details.

### **2. Review platform**

It provides a platform to review a certain location and rate it so that others can know if the worthy enough to visit thus saving their time, money and efforts. One can let others know via posts along with pictures if the place is worthy enough to visit.

### **3. A common platform for all needs**

It provides everything at one place. It provides a social platform, blogging website, review platform and an option to plan their travel and accommodations with the help of travel coordinators thus eliminating the need to go physically to a travel agent or any other platform.

### **4. To eliminate manual system**

It enables the user to review a certain place, learn more of it and even plan the trip through a digital platform. The user does not have to physically go to a travel agent for booking their tickets and places or learn about the places to explore. All of this can be done with a single platform through this project.

### **5. To promote tourism and small businesses**

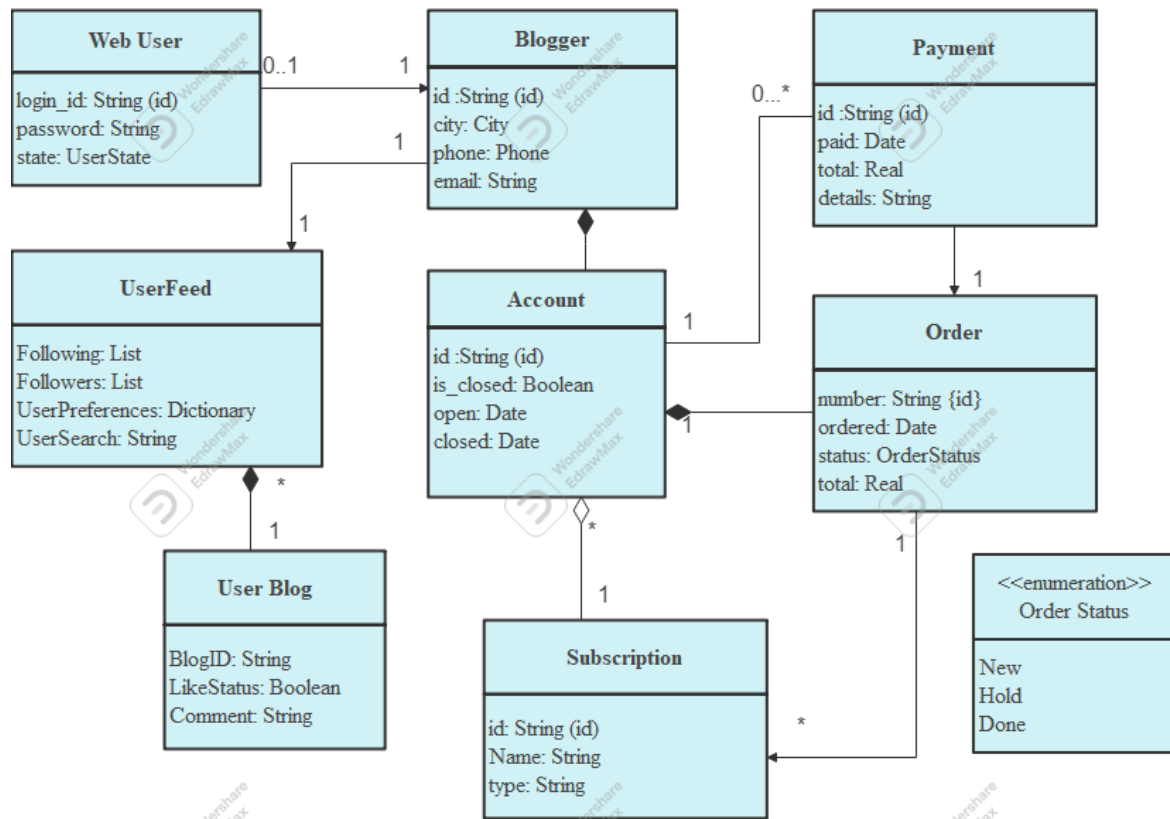
This platform will inspire people to travel more and explore the beauty of our country. It'll also help small business like food stalls, stalls with traditional or historical artifacts grow as people visiting these tourist places will share their reviews about them through such platform thus enhancing their businesses.

## **ANALYSIS AND DESIGN**

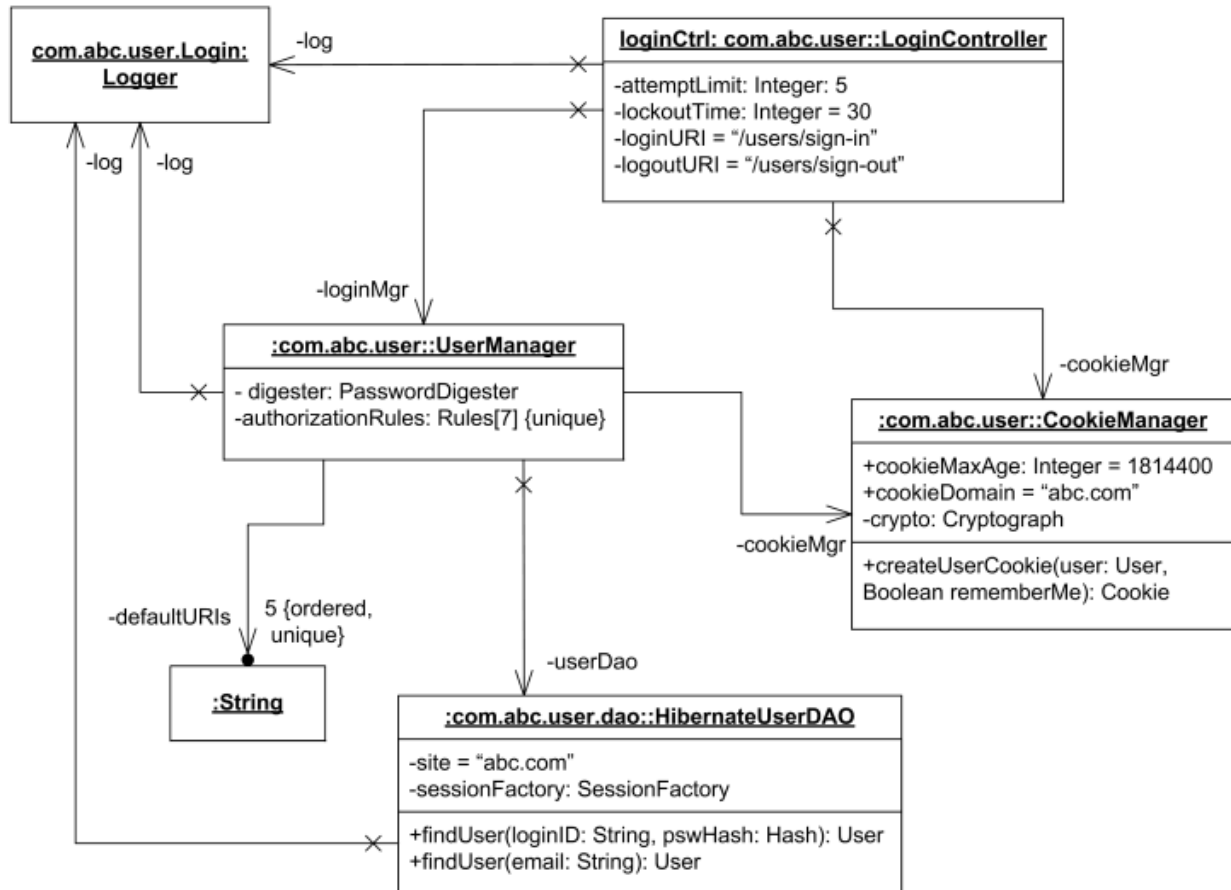


## Chapter 3: ANALYSIS & DESIGN

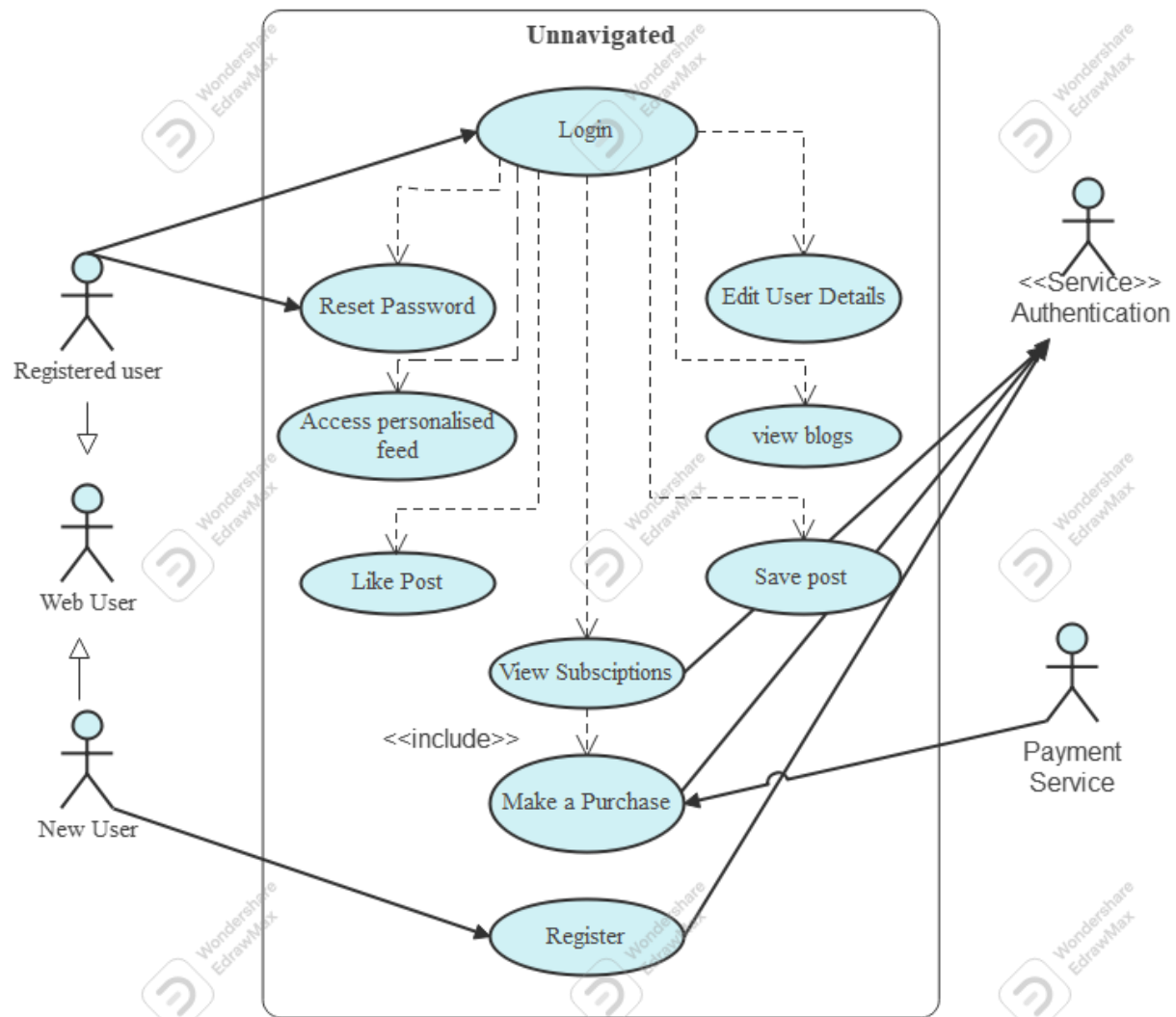
### 3.1 Class Diagram



## 3.2 Object Diagram

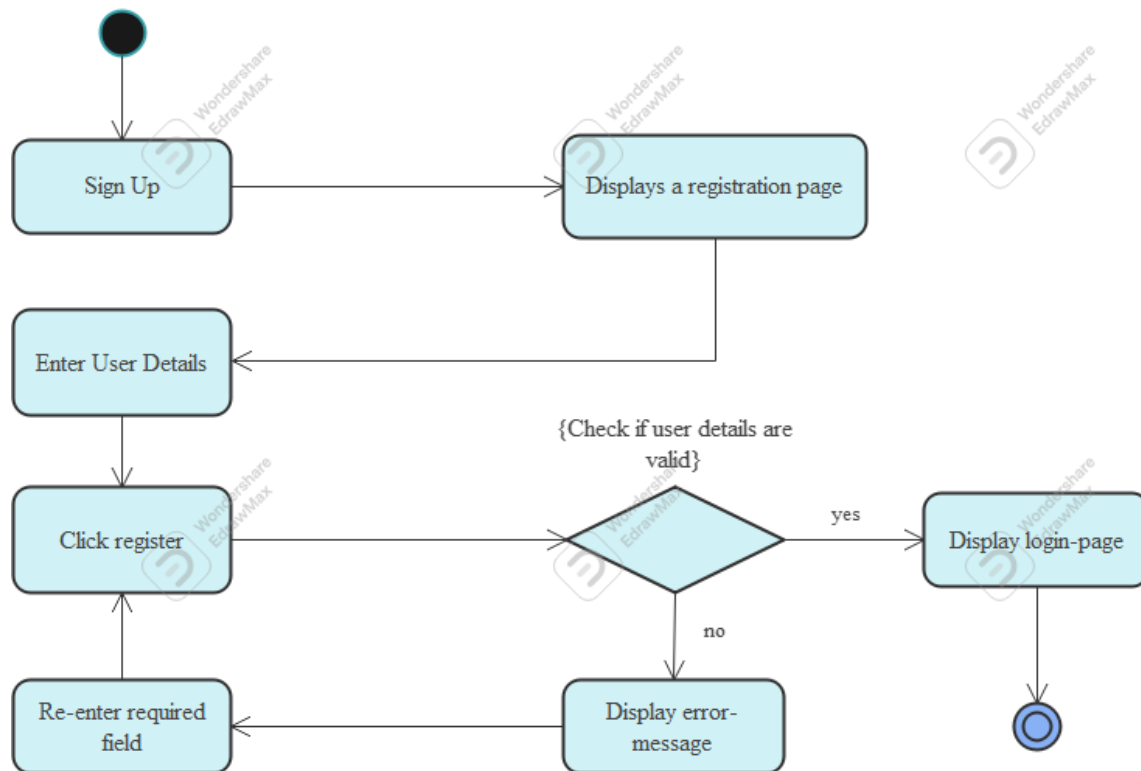


### 3.3 Use case Diagram

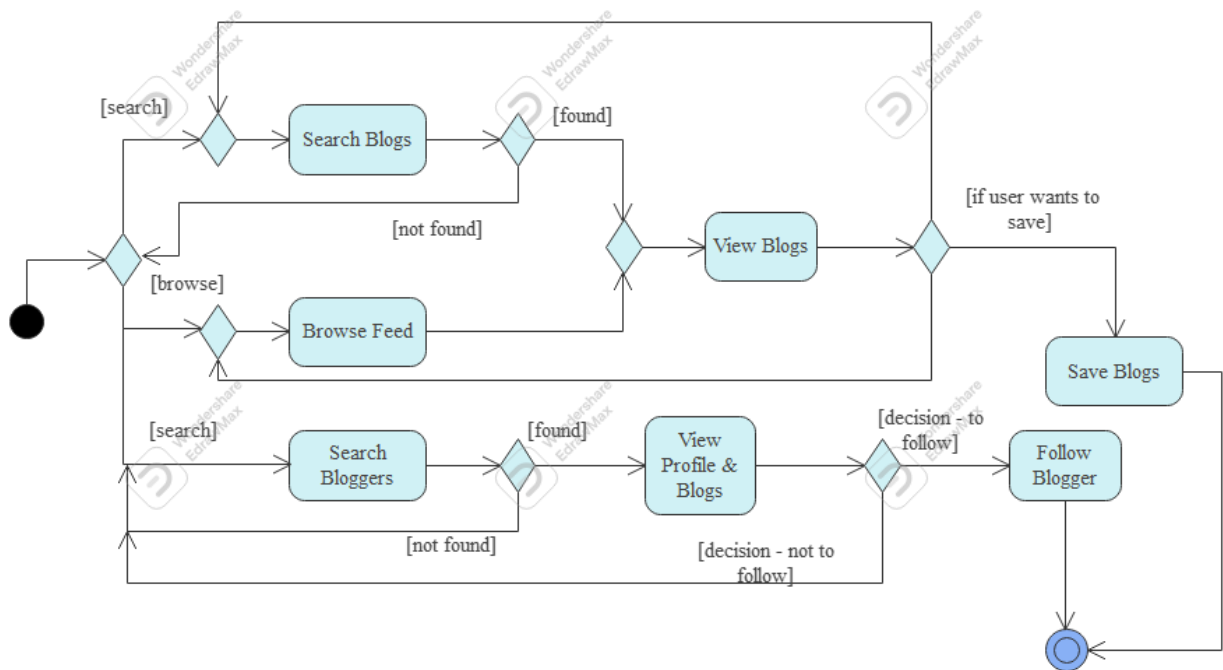


### 3.4 Activity Diagrams

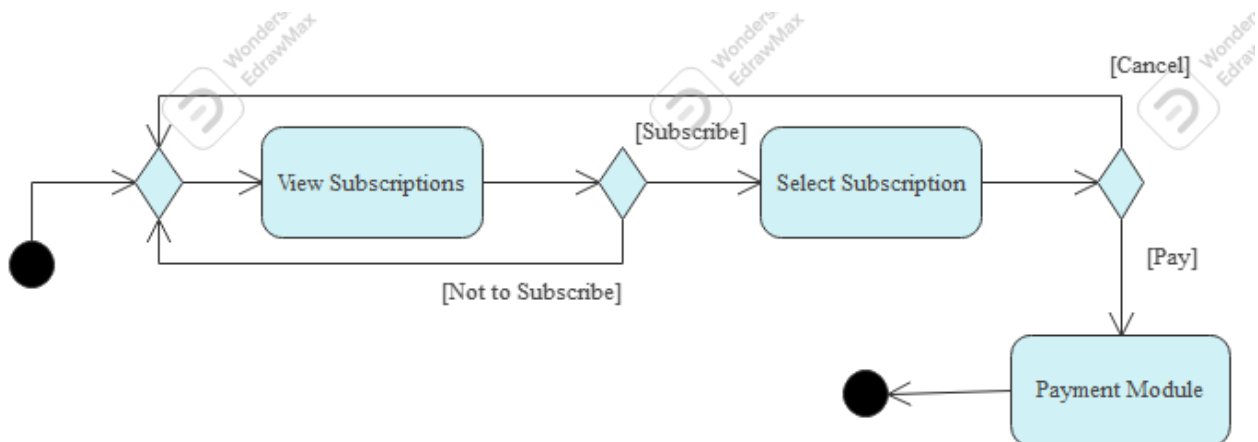
#### a) Registration/Login Module



## b) User-feed Module

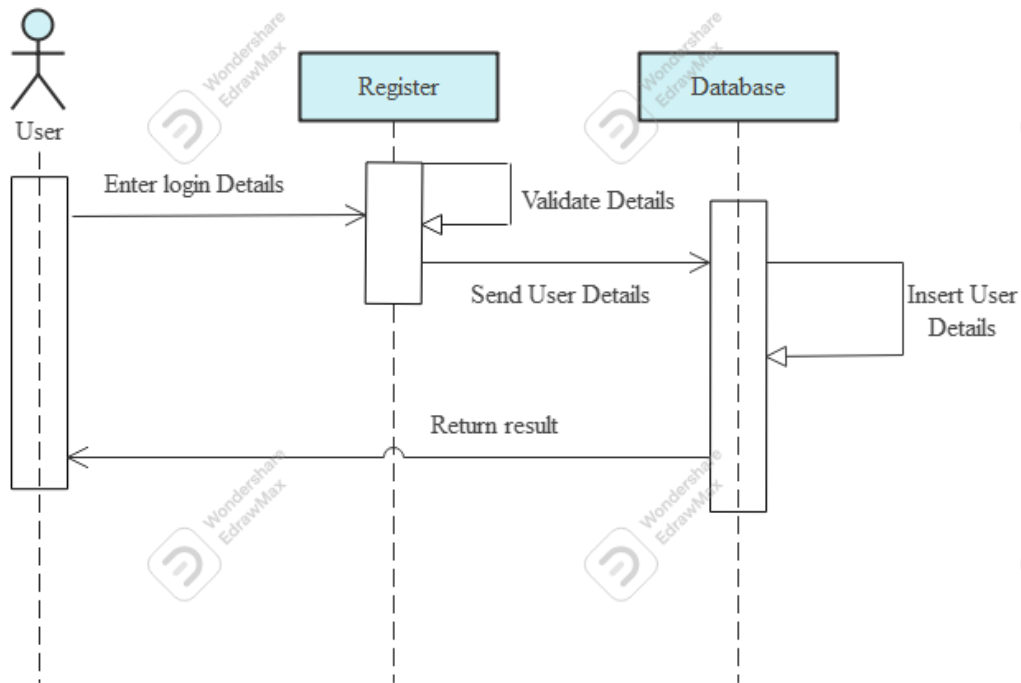


## c) Subscription/payment Module

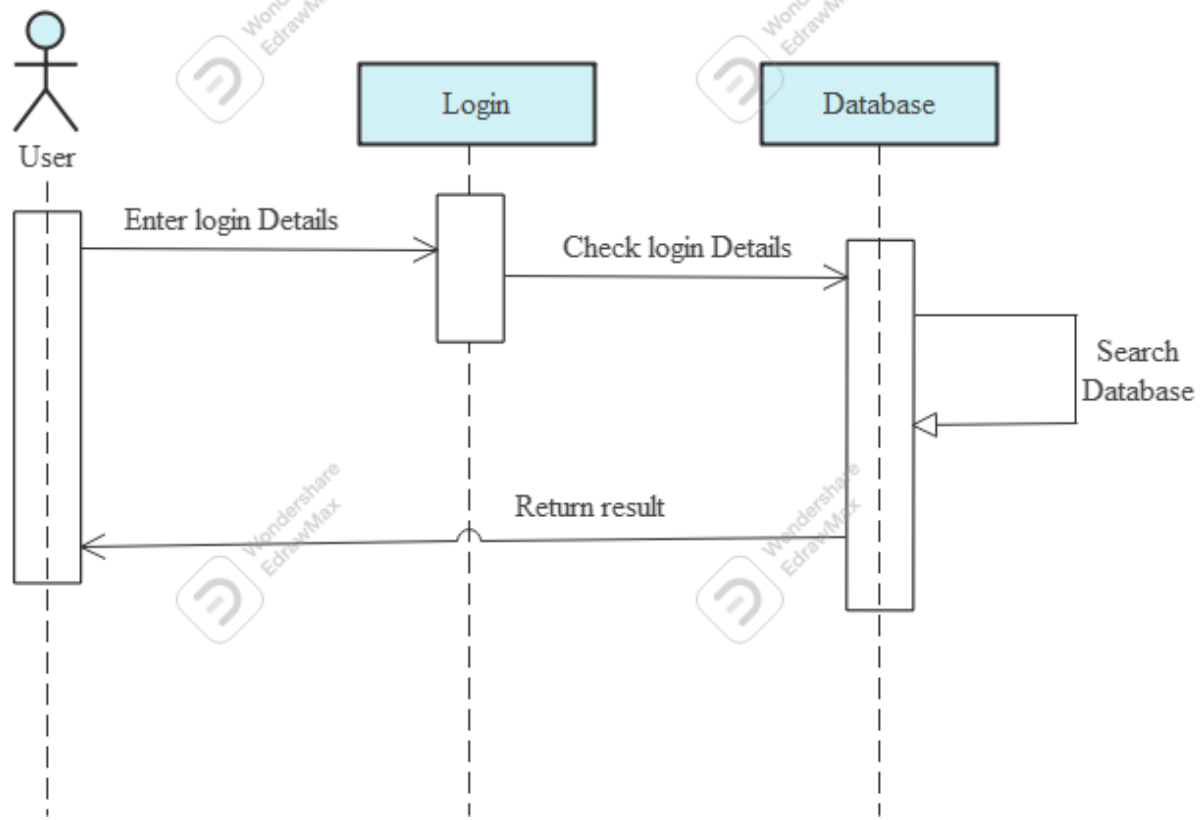


### 3.5 Sequence Diagram

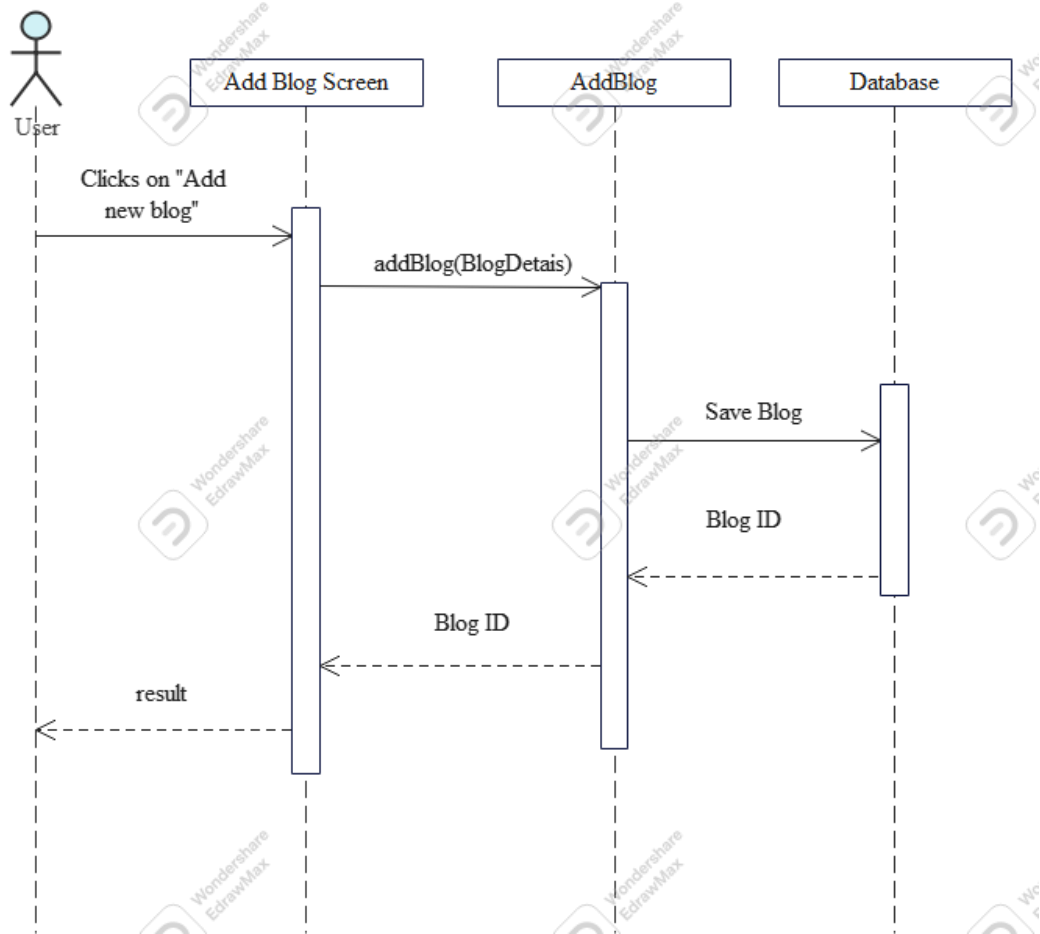
#### a) Registration module



## b) Login module

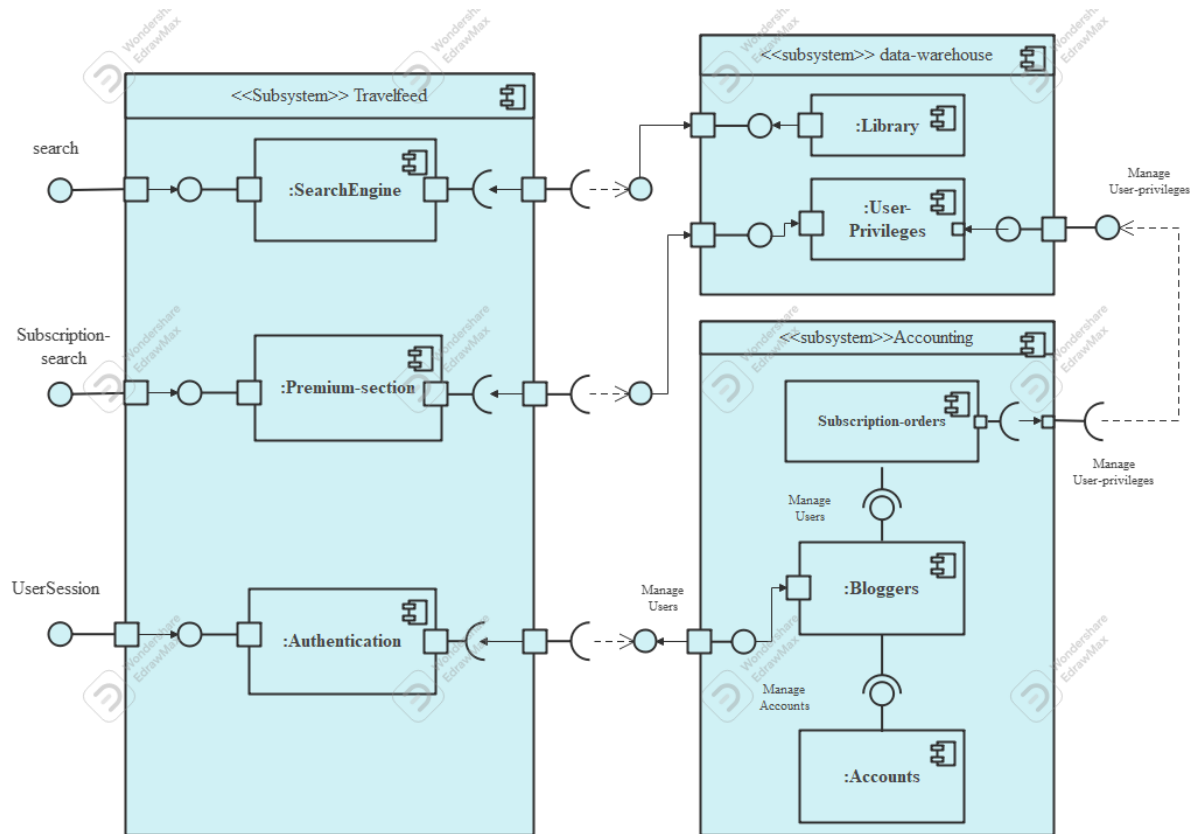


### c) Blog module

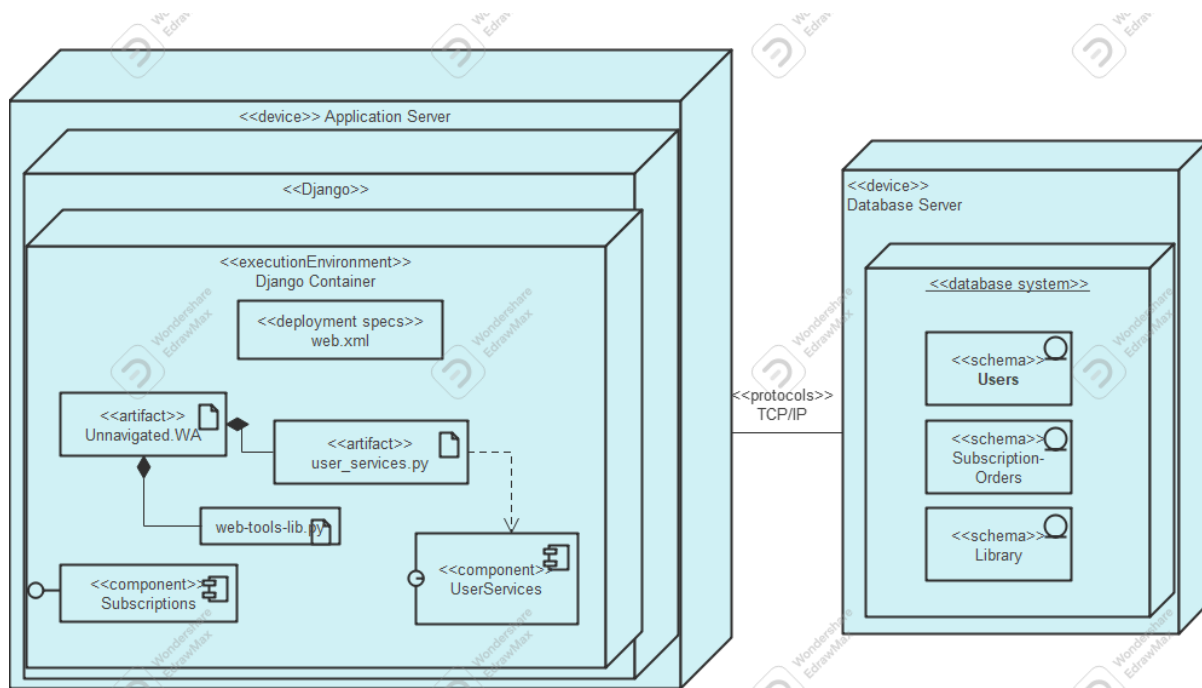




### 3.6 Component Diagram

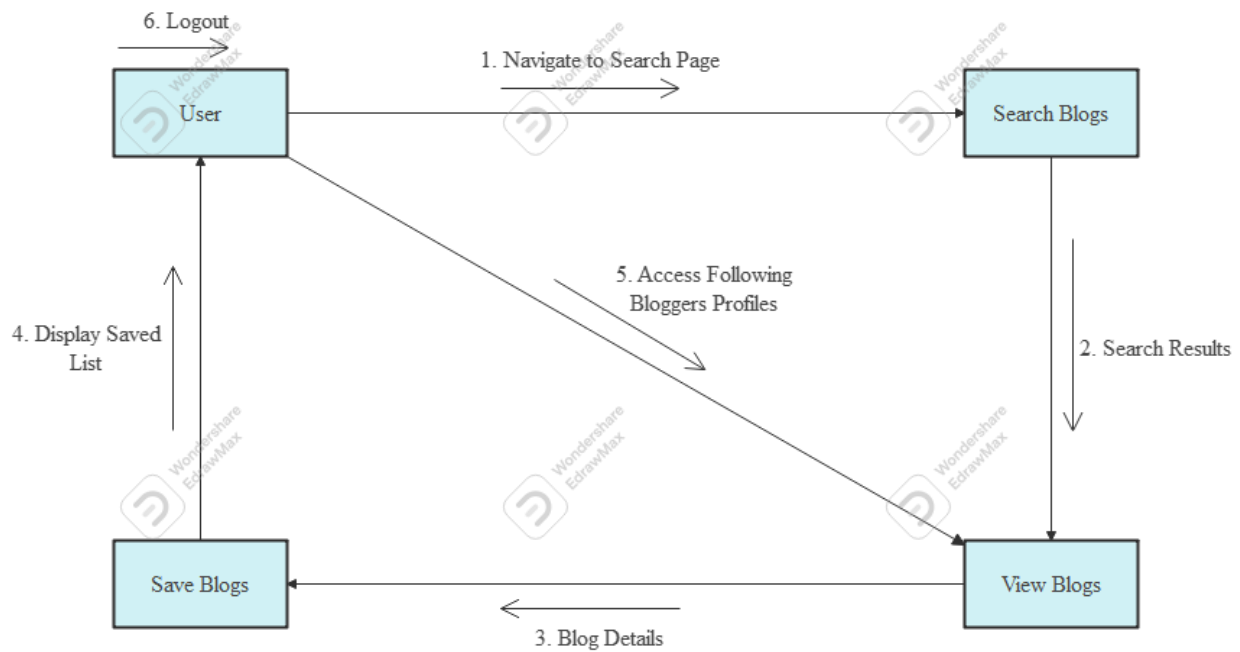


### 3.7 Deployment Diagram

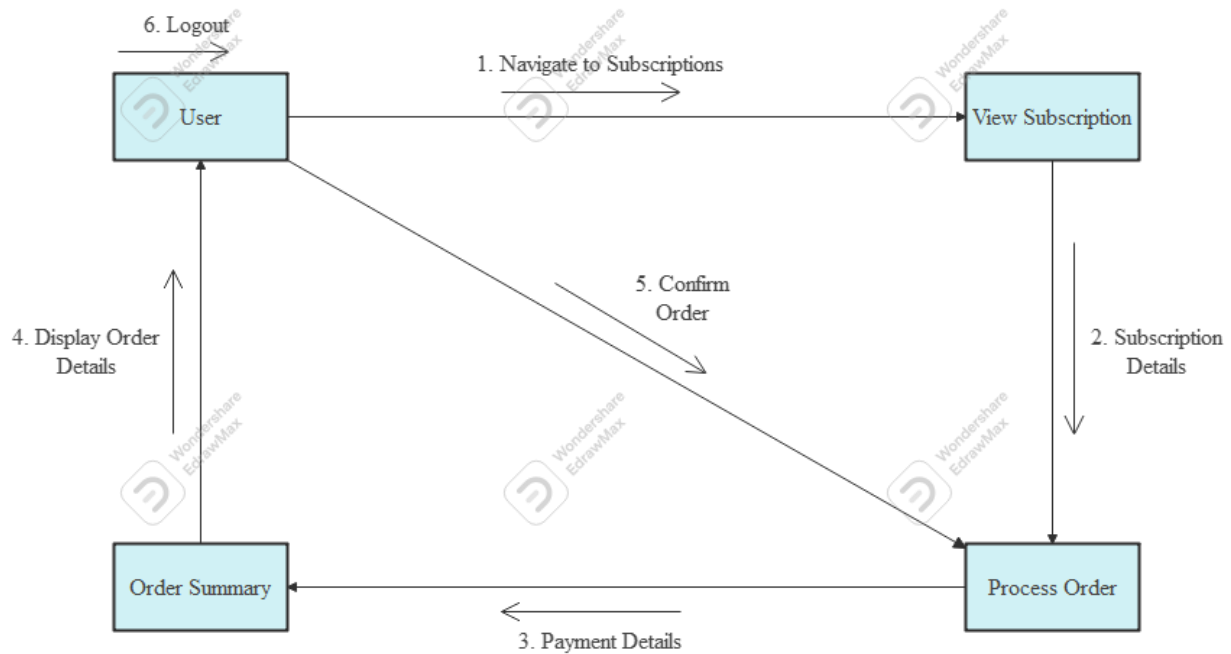


### 3.8 Collaboration Diagram

#### a) Blogs



#### b) Subscriptions



### 3.9 Table specifications (Database design) and Data dictionary

Database name: dbSQLite3

Table name: users

Primary key: id

Column_name	Data type	Size	Description
id	integer	3	User id
user_name	varchar	150	username
user_password	varchar	128	password
last_login	datetime	-	Date of last login
last_name	varchar	150	Last name of user
first_name	varchar	150	First name of user
is_staff	bool	-	If user is staff member
is_superuser	bool	-	If user is super user
date_joined	datetime	-	Date of joining
profile_pic	varchar	100	User profile pic
bio	text	-	bio
cover	varchar	100	User cover pic
is_active	bool	-	If the user is active user

Database name: dbSQLite3

Table name: posts

Primary key: id

Column_name	Data type	Size	Description
id	integer	3	Post id
date_created	Datetime	-	Date of creation
Content_text	text	-	Post content
Content_image	varchar	150	Post Image
Creator_id	integer	-	Id of the creator who created the post
Comment_count	integer	-	No of comments on post

Database name: dbSQLiteFitPal

Table name: user\_post\_likers

Primary key: id

Column_name	Data type	Size	Description
id	integer	3	ID
post_id	integer	20	Post ID
user_id	integer	20	User ID

Database name: dbSQLiteFitPal

Table name: user\_post\_comments

Primary key: id

Column_name	Data type	Size	Description
id	integer	-	ID
comment_content	text	200	Content of comment
comment_time	datetime	-	Time of comment
commenter_id	integer	-	Id of the user
post_id	integer	-	Post id generated

Database name: dbSQLiteFitPal

Table name: user\_post\_savers

Primary key: id

Column_name	Data type	Size	Description
id	integer	-	ID
post_id	integer	-	Post ID
user_id	integer	-	User ID

Database name: dbSQLiteFitPal

Table name: user\_followers

Primary key: id

Column_name	Data type	Size	Description
id	integer	-	ID
user_id	integer	-	User ID

Database name: dbSQLiteFitPal

Table name: subscriptions

Primary key: id

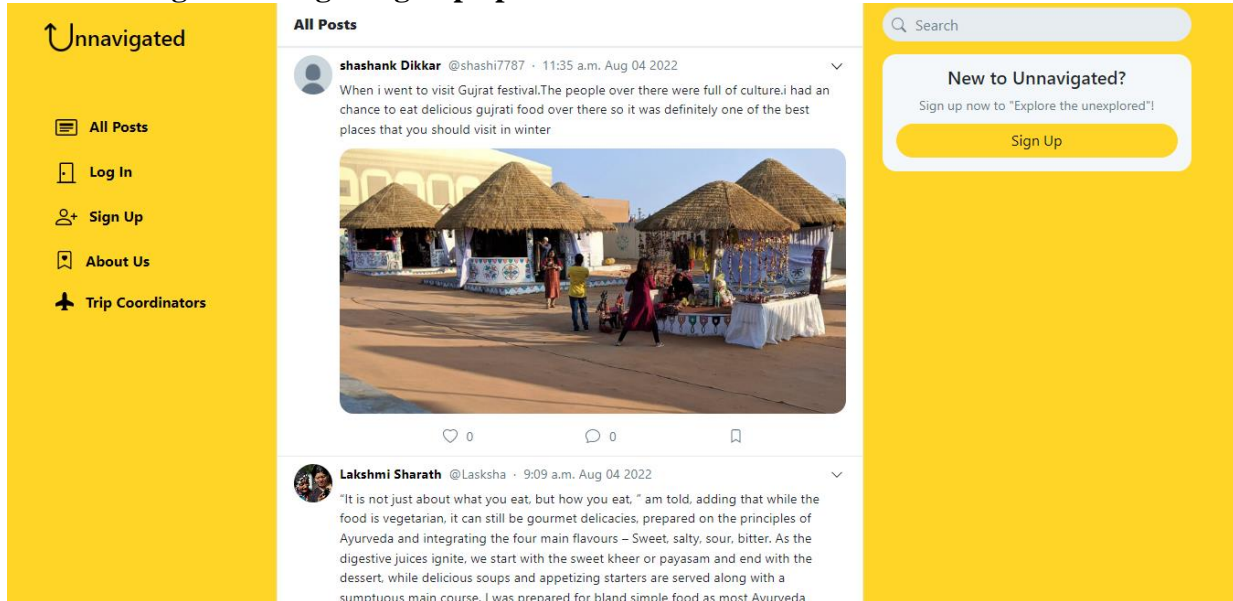
Column_name	Data type	Size	Description
id	integer	-	ID
Type	varchar	20	Type of Subscription
amount	int	-	amount
user_id	integer	-	Id of the user

## **USER MANUAL**


## Chapter 4: USER MANUAL

### 4.1 User Interface Screens (Input/Output)

#### A. Home Page with Login/Sign up option



#### B. Sign Up/Registration Page

  
Sign up to "Explore the unexplored"!

Choose profile picture

Browse

Choose cover picture

Browse

Already have an account? [Log in](#)



## C. Login Page

  
Login to explore the unexplored!

Log in

Don't have an account? [Sign Up](#)

## D. User Personalized feed & search functionality

Unnavigated

Create Post

All Posts

Following

Saved

Profile

Log Out

Subscribe

About Us

Trip Coordinators

Shivani Awatade

@mogambee


All Posts

shashank Dikkar

@shashi7787

· 11:35 a.m. Aug 04 2022

When i went to visit Gujrat festival.The people over there were full of culture.i had an chance to eat delicious gujrati food over there so it was definitely one of the best places that you should visit in winter



0

0

Lakshmi Sharath

@Lasksha

· 9:09 a.m. Aug 04 2022

"It is not just about what you eat, but how you eat," am told, adding that while the food is vegetarian, it can still be gourmet delicacies, prepared on the principles of Ayurveda and integrating the four main flavours – Sweet, salty, sour, bitter. As the digestive juices ignite, we start with the sweet kheer or payasam and end with the dessert, while delicious soups and appetizing starters are served along with a sumptuous main course. I was prepared for bland simple food as most Ayurveda retreats in India serve them, but I realize that it is a misconception that vegetarian cuisine especially served in therapeutic retreats have to be insipid. The dishes are curated to detox the body and yet the fresh ingredients sourced locally from their organic gardens add to the rich flavours and make the culinary experiences delicious and wholesome

Search

You might know

Suraj Katole

@jehzmask

Follow

Ishika Arya

@ishikaarya

Follow

Hayate Yamamoto

@hayate

Follow

Saayim Md

@sayim

Follow

Mridula Dwiwedi

@Mridudwi

Follow


Vaishnavi Deshmukh

@Vd007

Follow


## E. Follow other user functionality/ User Profile

**Profile**



Following


**Mridula Dwiwedi**  
@Mridudwi  
Joined August 2022  
6 Posts 2 Following 3 Followers




**Mridula Dwiwedi** @Mridudwi · 8:16 a.m. Aug 04 2022  
As I knew the Ramakrishna Beach was really crowded in the evening, I went there in the morning. The morning weather was nice, the beach is right across road from Novotel Vizag and that is the farthest I ventured on this trip.  
  
So, what did I do for the rest of the time? I ate a lot of good food at the various restaurants within the hotel. I went to the terrace to enjoy the view along the Beach Road. My room had a bath tub, so that was that! I loved the tea and coffee maker in the living room and used it a lot. But I sat on that rocking chair doing nothing for most of the time! Like every other trip, I arrived so tired but I got back home rejuvenated.


## F. Like, comment and save function


**Profile**





**Mridula Dwiwedi** @Mridudwi · 8:15 a.m. Aug 04 2022  
I was staying in a suite at the sixth floor with the Ocean (Bay of Bengal) being my live TV. The rocking chair by the bed was my favorite corner of the room! My suite had a large living area too but I liked the view from the bedroom window more! The bed was comfortable leading to good sleep all around.  
  
I could see the hotel swimming pool and the beach right from my room and those are the only two places I visited on my trip! I took many laps in the pool, as I was eating a lot of good food at Novotel Vizag.




 1

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 Write a comment...

 Shivani Awatade  
nice

## G. Hotel/Ticket Booking options

### Trip Coordinators

#### Make My Trip

Nurtured from the seed of a single great idea, "to empower the traveller" MakeMyTrip is a pioneer in India's online travel industry. MakeMyTrip is one of the leading companies, providing great offers and a seamless online booking experience to many of its customers.

[makemytrip.com](https://makemytrip.com)



#### Goibibo

Goibibo is India's leading online travel booking brand providing range of choice for hotels, flights, trains, bus and cars for travelers. It is India's leading online travel booking brand providing range of choice for hotels, flights, trains, bus and cars for travelers.

[Goibibo.com](https://Goibibo.com)

goibibo

## D. Edit Profile

**Profile**



*Let your true colors shine.*

**Kiran Adsul**  
@kakakiran

Joined September 2022

0 Posts 0 Following 0 Followers

Edit Profile

### Edit Profile

First name :	Last name :
<input type="text" value="Kiran"/>	<input type="text" value="Adsul"/>
Username :	
<input type="text" value="kakakiran"/>	
E-mail :	
<input type="text" value="kiran109@gmail.com"/>	
Choose profile picture	<input type="button" value="Browse"/>
Choose cover picture	<input type="button" value="Browse"/>
<input type="button" value="Edit"/>	

## E. About

### About Us

#### Our mission



At Unnavigated, we are constantly iterating, solving problems and working together to connect people all over the world. We provide people with a platform to express their experiences to the world and also provide them with an opportunity to learn from other's experiences. By providing a platform like unnavigated, our goal is to bring the world closer and help people with their interest in travel to explore more.



That's why it's important that our workforce reflects the diversity of the people we serve. Hiring people with different backgrounds and points of view helps us make better decisions, build better products and create

## F. Subscriptions

### Subscriptions

Subscribe here to get additional benefits!

Subscription type :

--Select--

Amount :

Amount

Proceed to payment

### Subscriptions

Subscribe here to get additional benefits!

Subscription type :

--Select--

Amount :

Amount

Proceed to payment

You Already Subscribed

## G. Payment Screens

### -----Payment Details-----



Card Number:

1234567890

Card Holder's name :

asdfghjk

Expiry Date :

04 2036

CVV Code :

\*\*\*

Make payment

Processing Payment...



Please wait while we are processing your payment.



Payment Successful!

[Return to Home](#)

## 4.2 Sample program code

- **Models.py**

```
from django.contrib.auth.models import AbstractUser
from django.db import models
from django.utils import timezone

class User(AbstractUser):
    profile_pic = models.ImageField(upload_to='profile_pic/')
    bio = models.TextField(max_length=160, blank=True, null=True)
    cover = models.ImageField(upload_to='covers/', blank=True)

    def __str__(self):
        return self.username

    def serialize(self):
        return {
            'id': self.id,
            "username": self.username,
            "profile_pic": self.profile_pic.url,
            "first_name": self.first_name,
            "last_name": self.last_name
        }

class Post(models.Model):
    creator = models.ForeignKey(User, on_delete=models.CASCADE, related_name='posts')
    date_created = models.DateTimeField(default=timezone.now)
    content_text = models.TextField(max_length=140, blank=True)
    content_image = models.ImageField(upload_to='posts/', blank=True)
    likers = models.ManyToManyField(User, blank=True, related_name='likes')
    savers = models.ManyToManyField(User, blank=True, related_name='saved')
    comment_count = models.IntegerField(default=0)

    def __str__(self):
        return f"Post ID: {self.id} (creator: {self.creator})"

    def img_url(self):
        return self.content_image.url

    def append(self, name, value):
        self.name = value

class Comment(models.Model):
    post = models.ForeignKey(Post, on_delete=models.CASCADE, related_name='comments')
    commenter = models.ForeignKey(User, on_delete=models.CASCADE,
related_name='commenters')
    comment_content = models.TextField(max_length=90)
    comment_time = models.DateTimeField(default=timezone.now)

    def __str__(self):
        return f"Post: {self.post} | Commenter: {self.commenter}"

    def serialize(self):
        return {
            "id": self.id,
```

```

        "commenter": self.commenter.serialize(),
        "body": self.comment_content,
        "timestamp": self.comment_time.strftime("%b %d %Y, %I:%M %p")
    }

class Follower(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE, related_name='followers')
    followers = models.ManyToManyField(User, blank=True, related_name='following')

    def __str__(self):
        return f"User: {self.user}"

TYPE = (
    ('silver', 'Silver'),
    ('gold', 'Gold'),
    ('platinum', 'Platinum')
)

class Subscription(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE,
related_name='subscriber', unique=True)
    type = models.CharField(max_length=20, choices=TYPE, default="")
    amount = models.IntegerField(max_length=10, default=0)

    def __str__(self):
        return f"Subscription ID: {self.id}"

```

## 4.3 Limitations and Bibliography

### Limitations

1. As this is a mini project, it isn't developed into entirely working website.
2. The module that offers shopping for travel products hasn't been introduced yet.
3. This application is a website and hence requires regular updation of payment for domains to host it.

### Bibliography

- [1] <https://sqlitebrowser.org/>
- [2] Web References- <https://www.codewithharry.com/>