

# LET'S VENT OUT



## **Project Description**

A forum site known as Lets Vent Out is a place to let people know they are not alone, no matter what they're going through. Each reader has an opportunity to post any question or random thought and other users will post answers to his/her question and thought. Categories are already defined for people so that they can post relevantly and access quickly. People can also delete and update their questions whenever they want. There is a video gallery and care corner too. People can watch inspirational videos of different categories and can find therapist in their city. User should be logged in to answer or post a question but people can view motivational and videos without logging in. Moreover, they can also get info about psychologists/therapists of their city.

## **Requirements**

An interactive/user-friendly forum site in which people can:

- Post their thoughts relevantly (categories).
- Reply on posts.
- Modify and Update their posts.
- Find helpers in easy way (search and sorting).
- People can watch videos in an organized way (categories).

## **UI Screens and Their Description**

### **Registration Screen**

User can register oneself by providing a unique email. A confirmation email will be sent to the user. User will be registered successfully after confirming through email and after setting password. Additional information like Full Name, Date of Birth and Gender are also stored (Fig. 1). User will be allowed to login after registration.

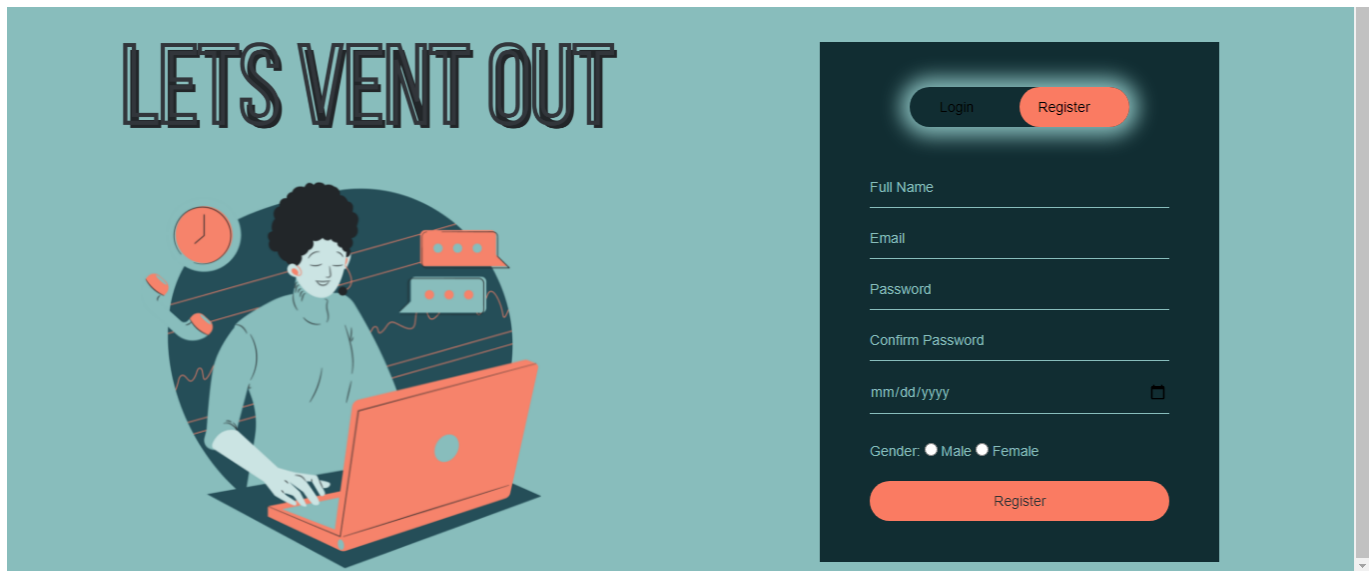


Figure 1 Registration

## Login Screen

User can login after successful registration. Email and password will be required for logging in (Fig. 2). User will not be allowed to post without logging in.

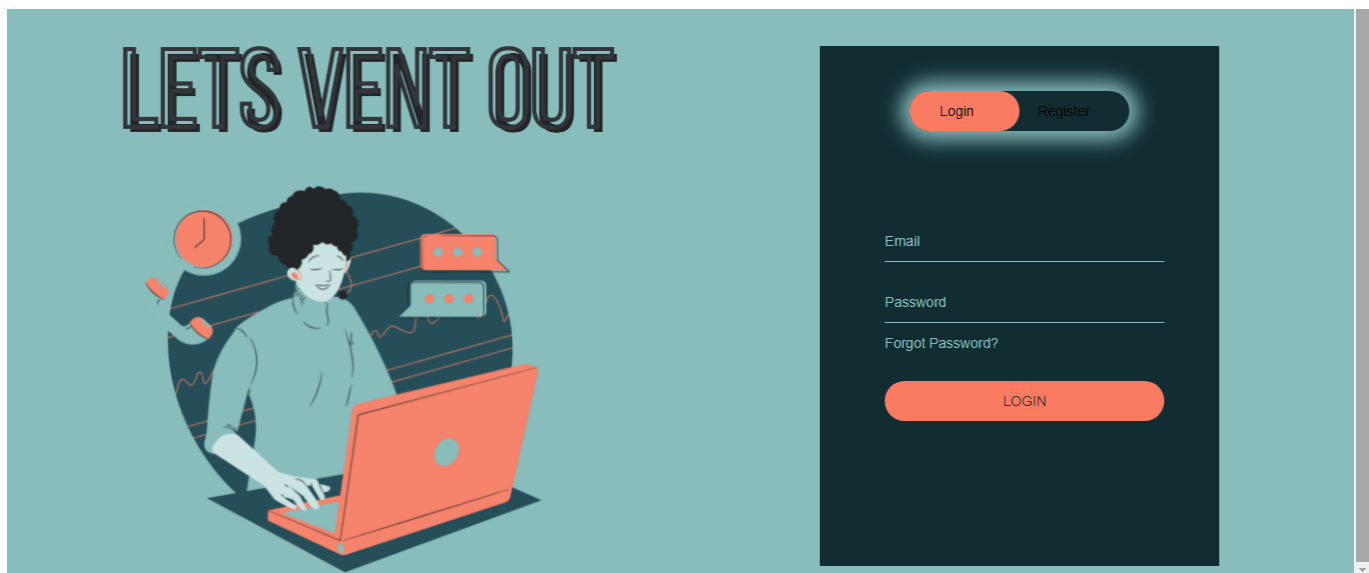


Figure 2 Login

## Home Screen

People can post their questions and thoughts in category of their choice. They can scroll through others post. They can also reply on other users posts. Posting time and user full name will be displayed with the posts.

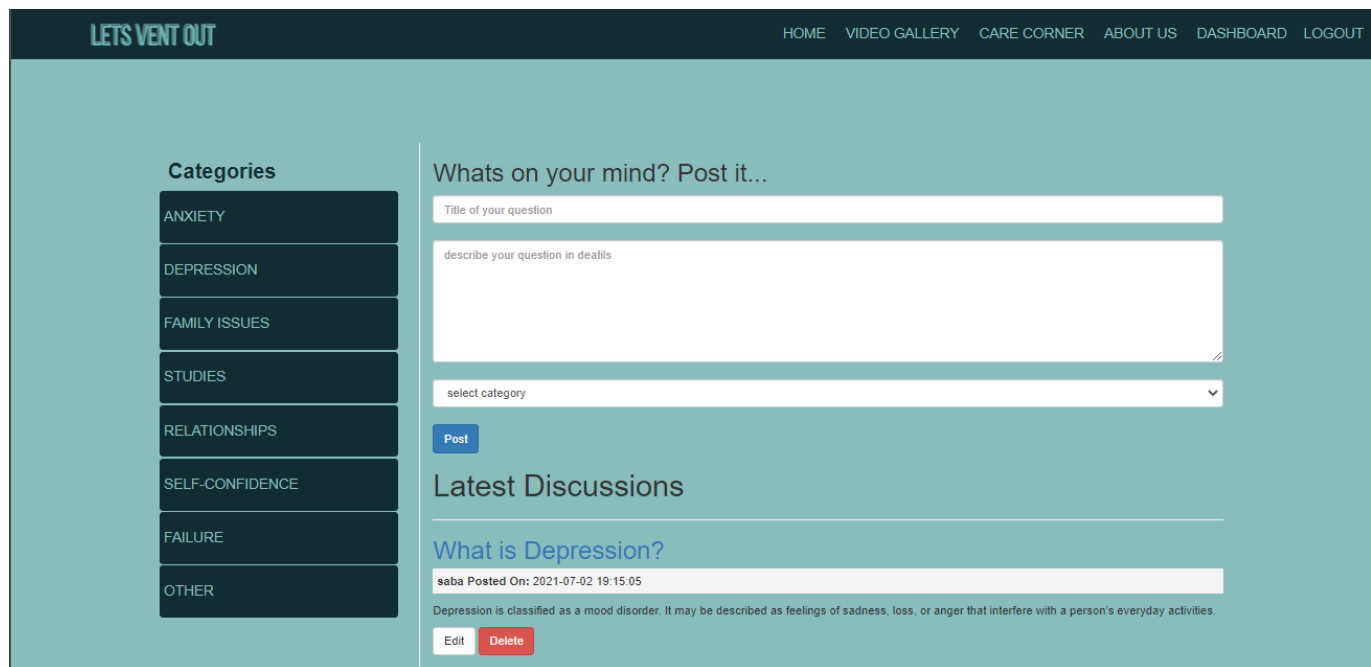


Figure 3 Home Screen

Users can also edit and delete their previous posts (Fig. 4).

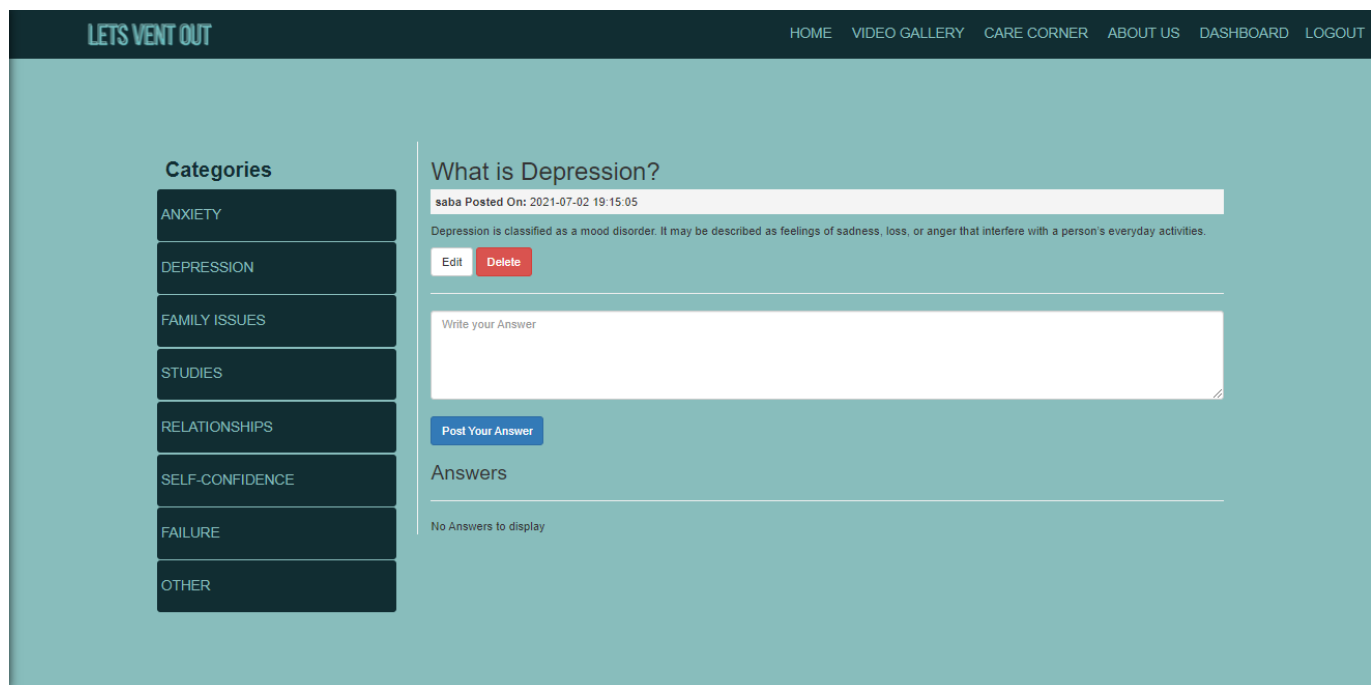


Figure 4 Edit / Delete Posts

Users can view all the questions that are posted from their profiles (Fig. 5).

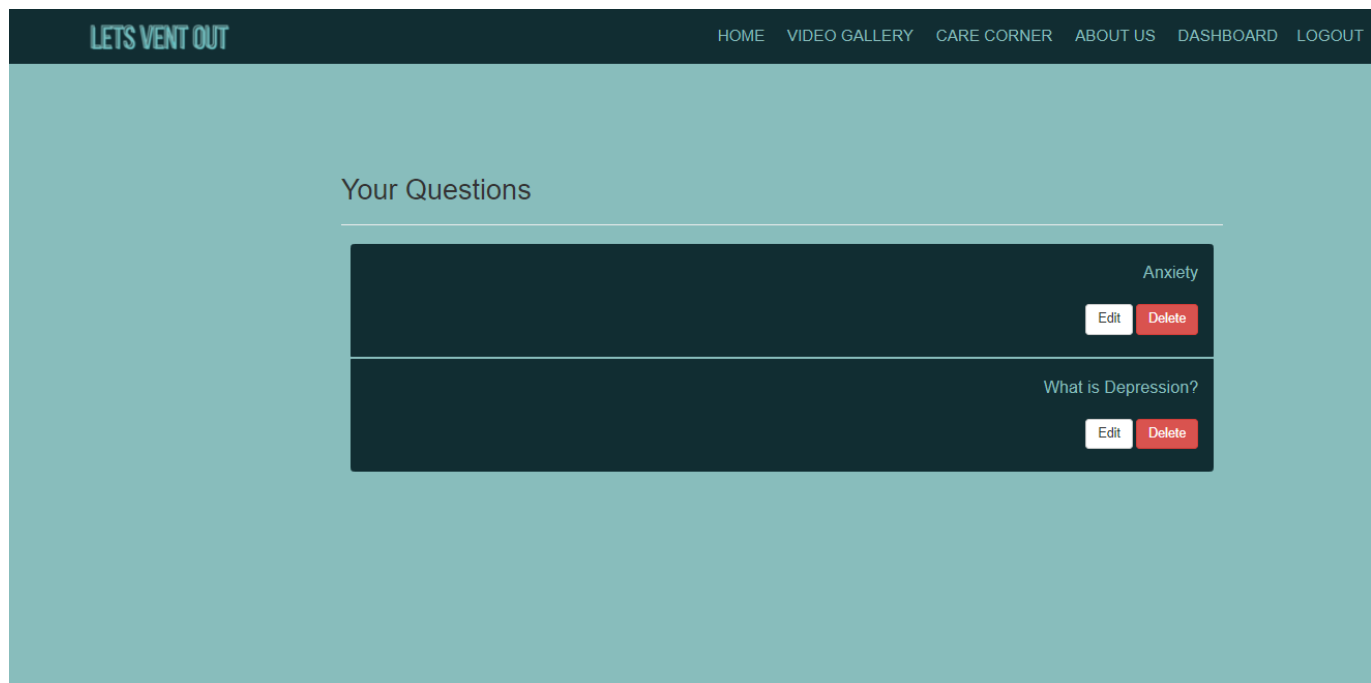


Figure 5 Your Questions

## Video Gallery

A bank of videos is also part of this project. Different motivational and inspirational videos are added. These videos are arranged in different categories. Anyone can access these videos.

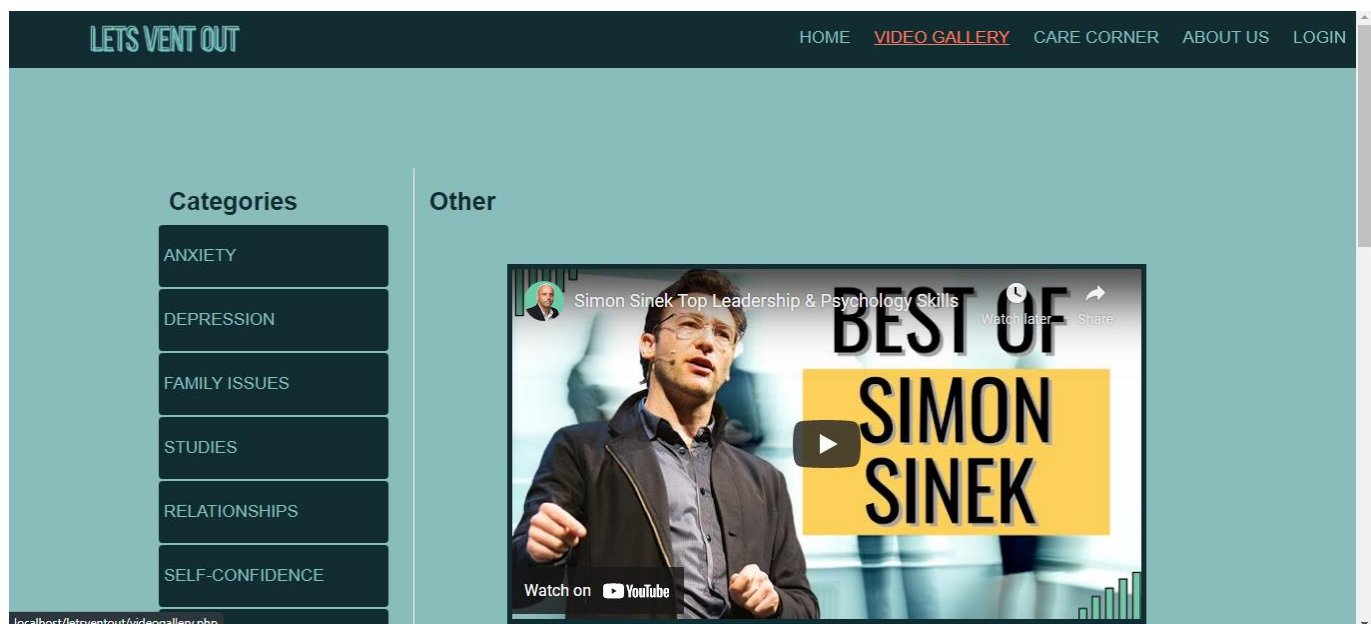


Figure 6 Video Galley

## Care Corner

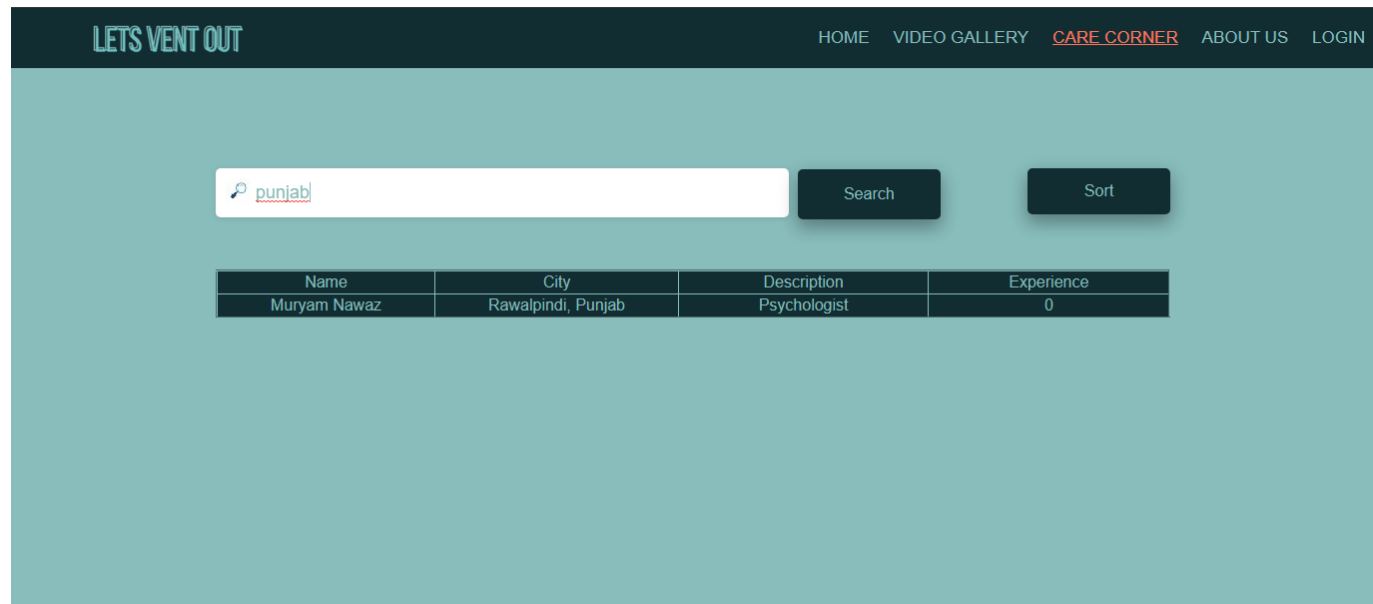


Figure 7 Care Corner

Care Corner will give info about different psychiatrist/ psychologists. Users can search Psychologists in their city or province. People can search by name, by profession/specialization or by city/province (Fig. 7). Apart from that data of therapists can also be sorted according to their experience in the field (Fig. 8).



Figure 8 Sorting

User can simply click on buttons for sorting it in Ascending (Fig. 9) or Descending (Fig. 10) order.

### Ascending Sort

Name	City	Description	Experience
Muryam Nawaz	Rawalpindi, Punjab	Psychologist	0
Shah Hussain	Peshawar, KPK	Psychologist, Psychotherapist	1
Ambreen Waheed	Lahore, Punjab	Psychotherapist, Psychologist	2
Ramzan Malik	Bahawalpur, Punjab	Trainer, Psychologist, Psychotherapist, Counselor (Child and Adolescent Services)	3
Naima Nisar	Lahore, Punjab	Psychologist	4
Mohsin Ayub	Lahore, Punjab	Clinical Psychologist, Hypnotherapist	5
Zahra Bakht Msc, PMDCP	Karachi, Sindh	Psychologist, Clinical Psychologist	6
Hafsa Farrukh	Faisalabad, Punjab	Psychologist	7
Ayyaz Mazari	Bahawalpur, Punjab	Psychologist, Child Therapist	8
Malik Shahid Abbas	Kahror Pacca, Punjab	Psychologist, Social worker	9
Irshad Ali Shar	Karachi, Sindh	Psychologist	11

Figure 9 Ascending

### Descending Sort

Name	City	Description	Experience
Irshad Ali Shar	Karachi, Sindh	Psychologist	11
Malik Shahid Abbas	Kahror Pacca, Punjab	Psychologist, Social worker	9
Ayyaz Mazari	Bahawalpur, Punjab	Psychologist, Child Therapist	8
Hafsa Farrukh	Faisalabad, Punjab	Psychologist	7
Zahra Bakht Msc, PMDCP	Karachi, Sindh	Psychologist, Clinical Psychologist	6
Mohsin Ayub	Lahore, Punjab	Clinical Psychologist, Hypnotherapist	5
Naima Nisar	Lahore, Punjab	Psychologist	4
Ramzan Malik	Bahawalpur, Punjab	Trainer, Psychologist, Psychotherapist, Counselor (Child and Adolescent Services)	3
Ambreen Waheed	Lahore, Punjab	Psychotherapist, Psychologist	2
Shah Hussain	Peshawar, KPK	Psychologist, Psychotherapist	1
Muryam Nawaz	Rawalpindi, Punjab	Psychologist	0

Figure 10 Descending

## About Us

A simple info page that shows our motive and team (Fig. 11).

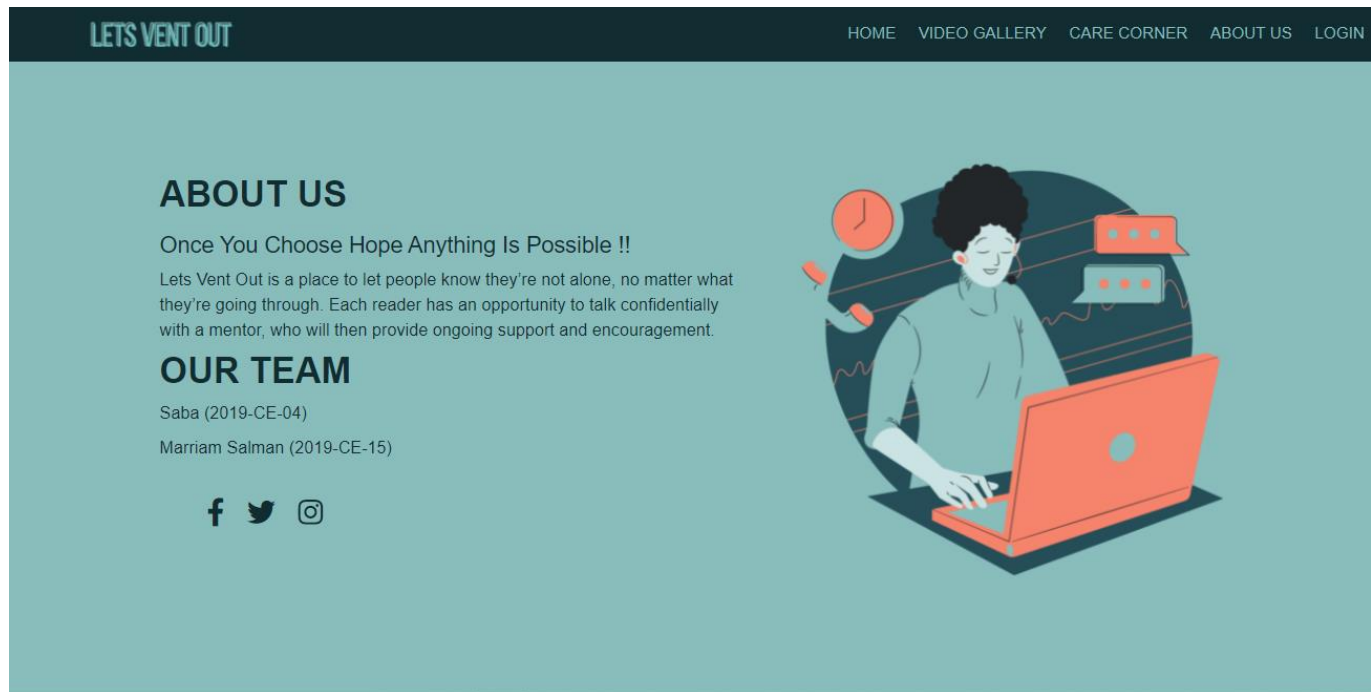


Figure 11 About Us

## Data Structures Used and Reason

PHP arrays are basically used in this project. Data storing and retrieving is mostly done using arrays. Sorting algorithms are based on arrays. Searching is implemented by doing queries and by retrieving in the form of arrays. Data is mostly stored in databases by MYSQL queries.

## Data Stack Used

HTML, CSS, PHP, JS, and MySQL.

## Search Algorithms Used and Reason

In care corner searching is done using MYSQL Queries. The data is retrieved in the form of arrays and then displayed on screens. Using MYSQL Queries saves the time and reduces the space complexity.

## Sorting Algorithms used and Reason

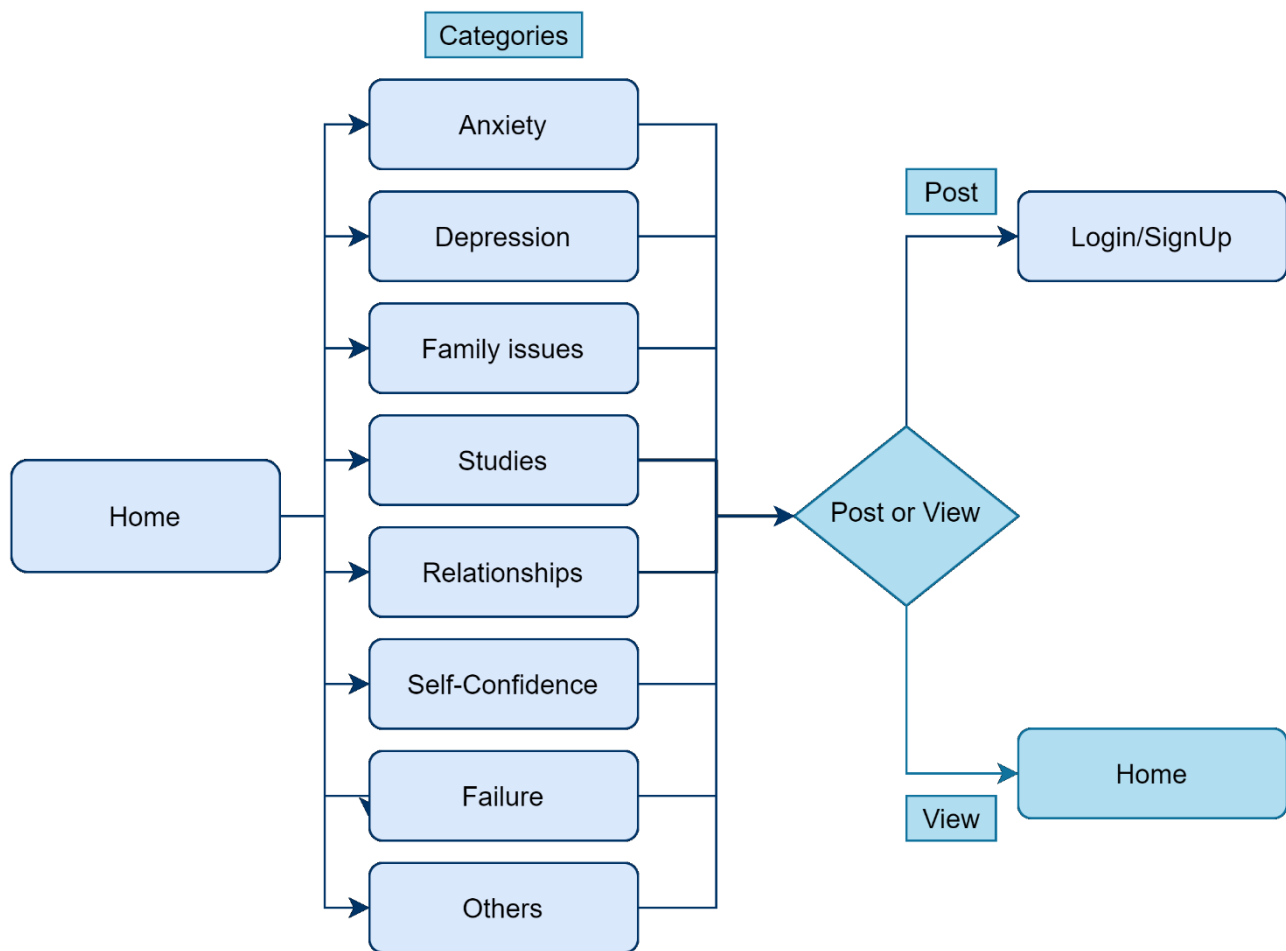
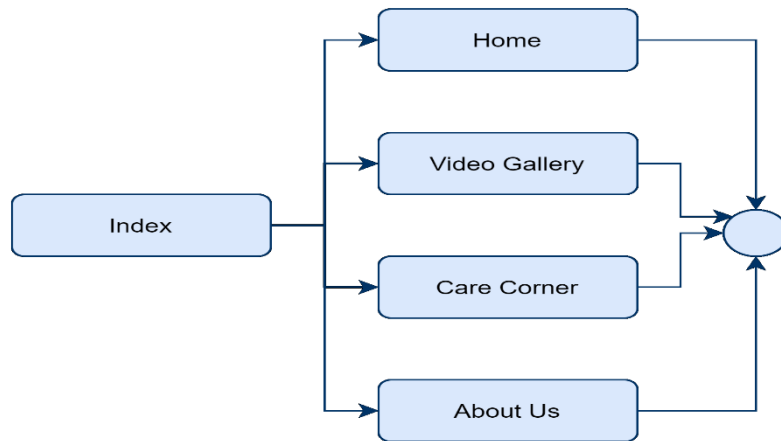
For both ascending and descending sort, Merge Sort is implemented using PHP. Its time complexity is  $O(n \log n)$  and space complexity is  $O(n)$ . We used it because it saves the time and space. Moreover, it is a stable algorithm.

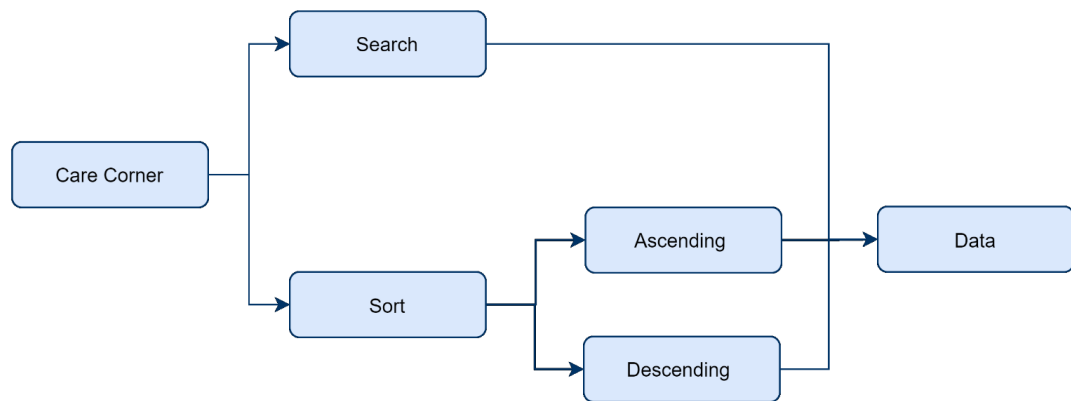
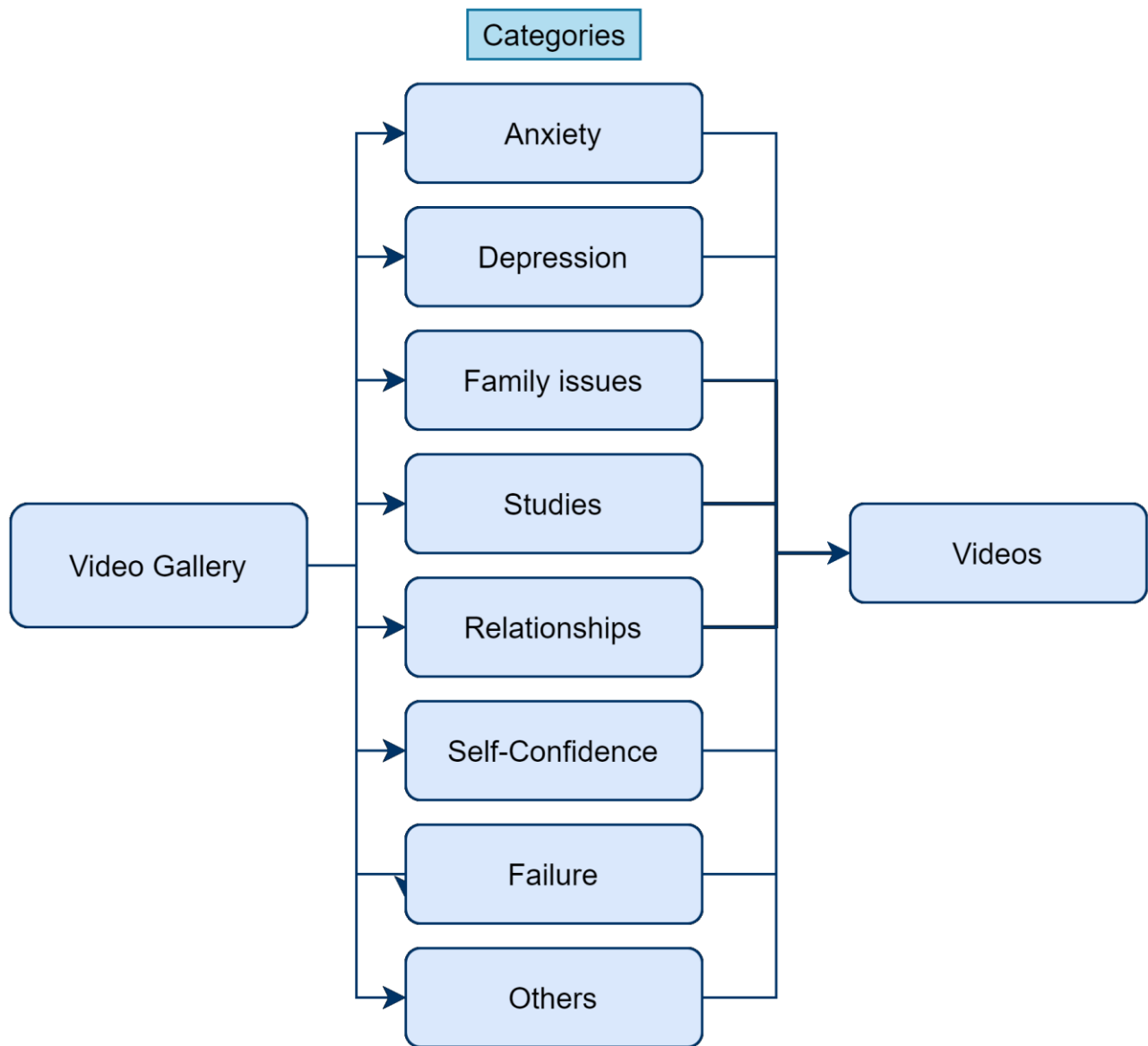
## Novelty/Contribution

All the algorithms in this project saves time. Based on time complexity and space complexity our site is an efficient project. People with problems can come get their solutions quickly and efficiently.



## Project Flow Diagram





## **Project Repository Link**

[git@github.com:sabasaheed8/Lets-Vent-Out.git](https://github.com/sabasaheed8/Lets-Vent-Out.git)

## **Finalized Project Methodology**

Planning and Screen Designs

Frontend Design for login/registration + Graphics + Color-Scheme Finalization

Backend for login/registration

Home Screen Backend + Frontend

Video Galley Backend + Frontend

Care Corner Search Backend + Frontend

Care Corner Sort Backend + Frontend

About Us Backend + Frontend

## **Deployment Details and Project Configuration Details**

### **Deployment Link**

<http://letsventout.webhoster.com.pk>

### **How to Run**

Step-1 : Create Database with name "dsa\_project"

Step-2 : Import Database from "dsa\_project.sql"

Step-3 : copy project folder in Xampp htdocs folder and run it.

### **Video Link:**

[https://gitlab.com/sabasaheed/ds20191\\_letsventout\\_2021/-/blob/master/Media2.mp4](https://gitlab.com/sabasaheed/ds20191_letsventout_2021/-/blob/master/Media2.mp4)

## **Results and Evaluations**

People can communicate easily with each other and share their difficulties without any hesitation. It gives people ease to search for psychologists or therapists easily. All the requirements were fulfilled by the end of project. There is much need to talk about our fears and it is a good place for it.

## **Challenges and Future Work**

Home Screen Backend and Care Corner Sorting were difficult to implement. One-on-One chat can be added in it.

## **References (Refer at least 5 research papers for your project).**

- <https://counseling.pk/>
- [https://www.psychologymatters.asia/find\\_therapist/Pakistan/](https://www.psychologymatters.asia/find_therapist/Pakistan/)
- <https://www.marham.pk/doctors/psychologist>
- <https://www.marham.pk/online-consultation/psychologist>
- <https://taskeen.org/en/seek-help/>