



**AHMEDABAD  
UNIVERSITY**

Global Education at Local Cost, Context and Ethos™

# Mental Health Disorders

A word cloud centered around the theme of mental health. The words are arranged in a circular pattern with varying sizes and colors. The most prominent words are 'MENTAL' and 'HEALTH' in large, bold, blue letters. Other words include 'DEPRESSION', 'ANOREXIA', 'BIPOLAR', 'STRESS', 'GRIEF', 'ANXIETY', 'PHOBIA', 'TRAUMA', 'SELF HARM', 'SUICIDE', 'PSYCHOLOGICAL', 'POST-TRAMATIC STRESS', 'EMOTIONS', 'DRUGS', 'COGNITIVE', 'ATTITUDE', 'TREATMENT', 'UNHAPPY', 'OPTIMIST', 'CLINICAL', 'WELLNESS', 'AWARENESS', 'BENEFITS', 'RISK', 'RESEARCH', 'STIGMA', 'WORRIED', 'RELATIONSHIPS', 'IQ', 'POSTPARTUM', 'CRISIS', 'PSYCHOLOGY', 'GENETIC', and 'ATTITUDE'.

## Planetoid

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# Overview : Mental Health Disorder

We are working on an online web application for the mental health disorders.

- In this application basically we are going to provide several test like Personality Test, Anger Test, Depression Test, Anxiety Test, OCD test.
- Using this application any one can know their personality and mental health related disorders.
- In this test we will ask maximum 10 questions and users have to answers subjectively to those questions.
- On the basis of that answers we will provide the output whether they have any disorder or not.
- Not only we will let them know which disorders they have but also we will suggest what can be their solutions.



# Seven Phase of our **Application**

1. **Awareness** : To aware people about Mental health
2. **Test** : By providing platform of Q & A. (Maximum 10 Questions)
3. **Result Declaration** : Generate result for particular test.
4. **Prevention Remedies** : Providing primary remedies.
5. **Healthcare Community** : To find solution of same problem.
6. **Expert Advice** : To provide expert help.
7. **Medicines** : To provide pharmacies location and availability.



# 1. Awareness

## What ?

- Many the People don't know about Mental Disease.
- We provide information about type of mental disorders and disadvantages of disorder.

## How ?

- Using Web Application.
- Advertisement : Manually, Paper, Posters, Social Media.
- Seminars and Workshops.



## 2. Online Mental Health Test

Test for What ?

- To know level of any type of disorders in user/patient.

How ?

- We only ask maximum 10 questions to know percentage of disorder.
- Small descriptive questions.

Type of Question ?

- Use mental health checker questions provided by experts.



# List of Disorder

We concern :

1. Personality Test

2. Anger Test

3. Depression Test

4. Anxiety Test

5. Obsessive Compulsive Disorder (OCD) test.

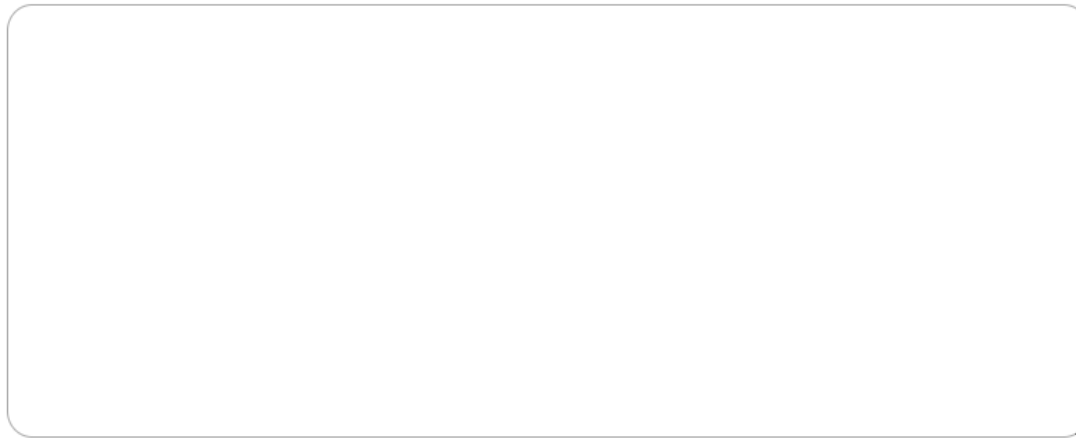


## 2. Online Mental Health Test

MoodTest

Personality Test ▾  
Personality Test  
Anger Test  
Depression Test  
Anxiety Test  
OCD Test

When Feeling low/sad what you used to do?



END TEST

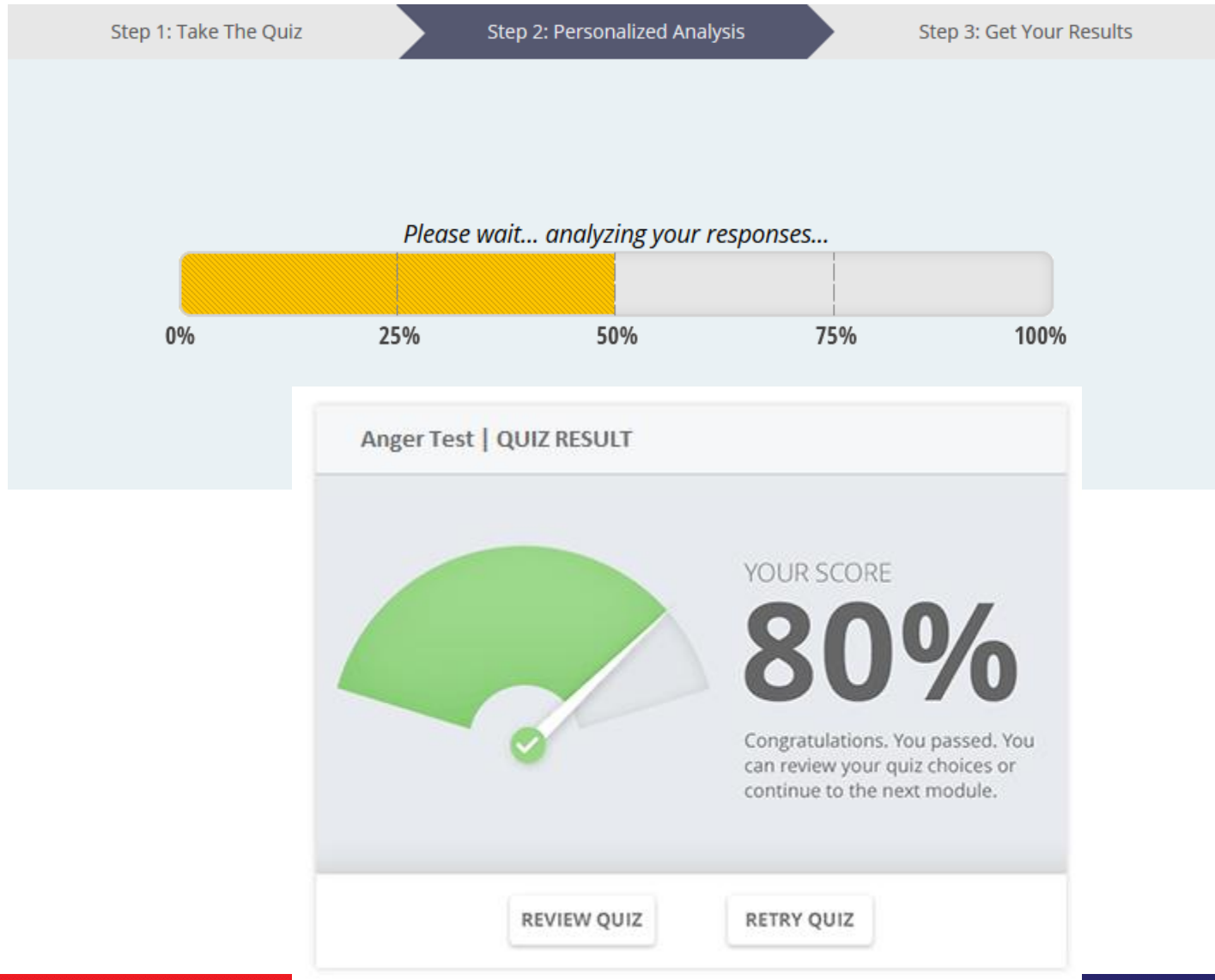
NEXT QUESTION

### 3. Result Declaration

- To generate result we have to perform sentiment analysis on answers.
- That provide us percentage of mental level of user.
- Provide other recommended testes base on result.



### 3. Screen : Result Declaration



## 4. Prevention Remedies

- Base on result of particular disorder we suggest Domestic remedies.
- Example : Positive attitude, Yoga, Peaceful environment and Meal.



## 5. Healthcare Community

- Community based participatory program is an approach that emphasize on community empowerment as an important tool in health promotion especially in low and middle income countries.
- We directly give the previous solution given by experts.
- In this, feature User can ask question **anonymously**, Publically or privately(free healthcare guardian).
- Like , Stack overflow, ask Ubuntu.



## 5. screen : Healthcare community

### Ask a Question

Your Question:



Hint: You can notify a user about this post by typing @username

Select a forum for your question:

Community Help Center

Tags:

Please select one or more tags:

community

community help

community improvements

forum help

help

search

sso

watch

Cancel

Post Your Question

## 6. Expert advice

- User can also connect with experts.
- Experts information directly provide to user.

Example :

1. Address
2. Contact No.
3. Fees
4. Appointment availability
5. Direct video call facility



## 6. Screens : Get expert advice



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### How would you like to connect?

VIDEO CALL



PHONE CALL



ASK QUESTIONS (TO COMMUNITY)



ANONYMOUSLY ASK (TO COMMUNITY)



Video consults are recommended over WiFi connections. Cellular data connections can be slow and data rates may apply.

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### Medical info

MEDICAL HISTORY



DOCTORS



PHARMACIES



## 7. Medicines

- User can connect with directly Medical store.
- Recommended medical store (Generic or Private)

Example :

1. Address : Location
2. Contact No.
3. Availability of medicines
4. Details of medicines



# 7. Screens : List of Pharmacies

We found **66** pharmacies within  miles of 02861

[Search New Location or by Pharmacy Name](#)

[Show/Hide Pharmacy Map](#)

## Available Pharmacies

Add to Selected Pharmacies

**Blackstone Health Mart Pharmacy**  
465 Lonsdale Ave  
Ste B  
Pawtucket, RI 02860  
1-401-475-5655  
[Add Pharmacy](#)

**Brown University Student Health Center Pharmacy**  
13 Brown St  
Providence, RI 02912  
1-401-863-7882  
[Add Pharmacy](#)

**Chapel Pharmacy Inc**  
2081 Diamond Hill Rd  
Cumberland, RI 02864  
1-401-333-5858  
[Add Pharmacy](#)

**Coastal Medical Brex And Kurose**  
450 Veterans Memorial Pkwy  
Ste 404  
East Providence, RI 02914  
1-401-435-3400  
[Add Pharmacy](#)

**Coastal Medical Lincoln**  
6 Blackstone Valley Pl  
Lincoln, RI 02865  
1-401-333-3111  
[Add Pharmacy](#)

**County Square Pharmacy Inc**  
289 County St  
Attleboro, MA 02703  
1-508-222-7620  
[Add Pharmacy](#)

**CVS Pharmacy**  
835 Newport Ave  
Pawtucket, RI 02861  
1-401-726-0724  
[Add Pharmacy](#)

**CVS Pharmacy**  
309 Broad St  
Central Falls, RI 02863  
1-401-721-9880  
[Add Pharmacy](#)

**CVS Pharmacy**  
425 East Ave  
Pawtucket, RI 02860  
1-401-722-8704  
[Add Pharmacy](#)





# Implementation

We successfully implement...

- Take test web application (in HTML)
- Sentiment analysis for generate Quiz result.**(ipython)**
  - Positivity and negativity of user answer create meaningful result.
  - Use Threshold to generate result.
- Use **Flask**(Micro framework of python)



# Future Scope

After implementing basic system we can think about...

- Login Screen
- Feed back of user
- Long time counselling for particular user



# Thank You!

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