

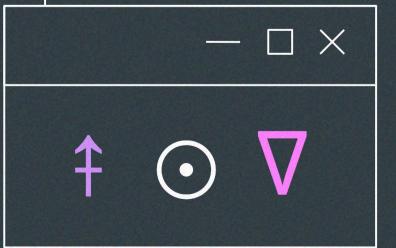
Introduction to Stress Detection

In this presentation, we will explore human stress detection website that accepts the data from the user and shows the result.

The focus will be on understanding various tools, techniques, and technologies employed to measure and analyze stress levels in individuals. This overview aims to provide insights into their functionality and impact.

Understanding Human Stress is a com

Human stress is a complex response involving psychological and physiological factors. Stress detection pages aim to identify symptoms through various indicators such as heart rate, behavioral patterns, and selfreported measures. Understanding these factors is crucial for effective stress management.



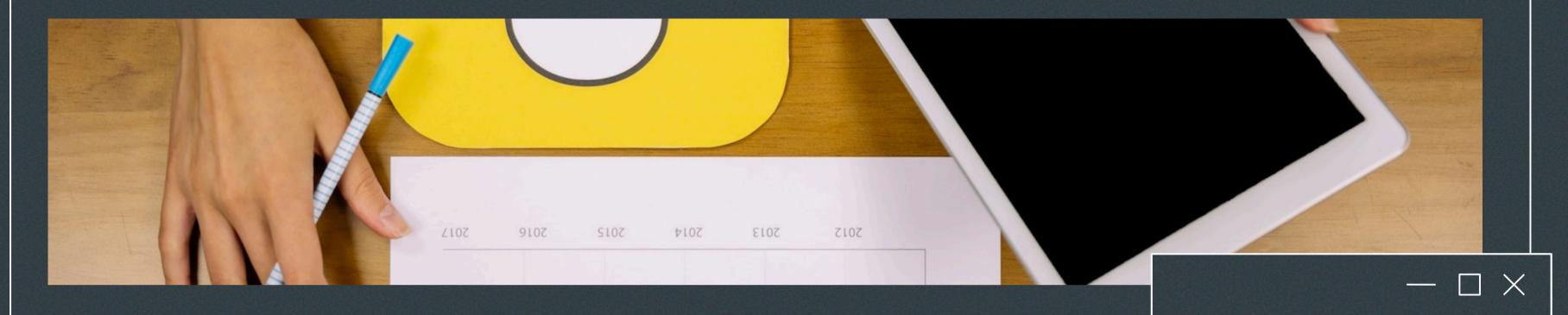
Types of Stress Detection Tools

Here we will be analyzing the following set of data to find out if the user is stressed or not:

- Snoring Rate
- Respiratory rate
- Body Temperature
- Limb Movement
- Blood Oxygen
- Eye Movement
- Sleep Hours
- Heart Rate
- Stress Level



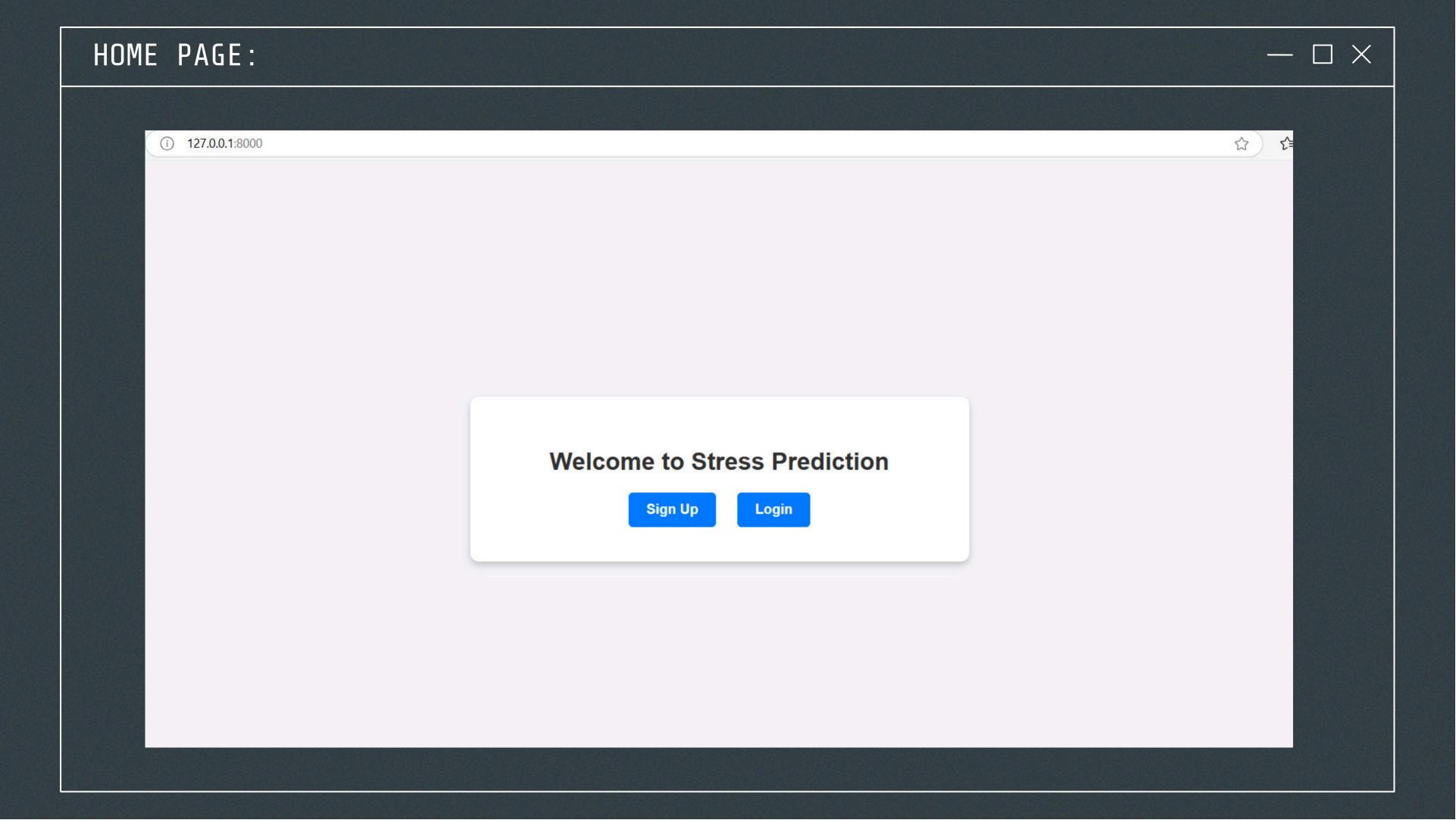




User Experience and Interface Design

A well-designed user interface is critical for the effectiveness of stress detection pages. **User experience (UX)** should prioritize **accessibility**, **clarity**, and **engagement**. This ensures that users can easily navigate and understand their stress levels and the recommendations provided.





LOGIN PAGE: $-\square X$ Login Username: Password: Login Forgot your password?

Sign Up

Username:

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

Email address:

Sign Up

Already have an account? Log in here.

Sign Up

Username:

Meera Iswar

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

•••••

Email address:

meeraiswar@gmail.com

Sign Up

Already have an account? Log in here.

Sign Up

 Enter a valid username. This value may contain only letters, numbers, and @/./+/-/_ characters.

Username:

Meera Iswar

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

Email address:

meeraiswar@gmail.com

Sign Up

Already have an account? Log in here.

Sign Up

A user with that username already exists.

Username:

Meera

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

Email address:

meeraiswar@gmail.com

Sign Up

Already have an account? Log in here.

Data Collection Page: — □ X ☆ ☆ … 🥠 i 127.0.0.1:5501/webpage/data.html **Enter Your Data** Snoring Rate (times/hour) Respiratory Rate (breaths/min) Body Temperature (°C) Limb Movement (movements/hour) Blood Oxygen (%) Eye Movement (times/hour) Sleep Hours Heart Rate (bpm) Stress Level (1-10) **Submit Data**

Stress Detection Result

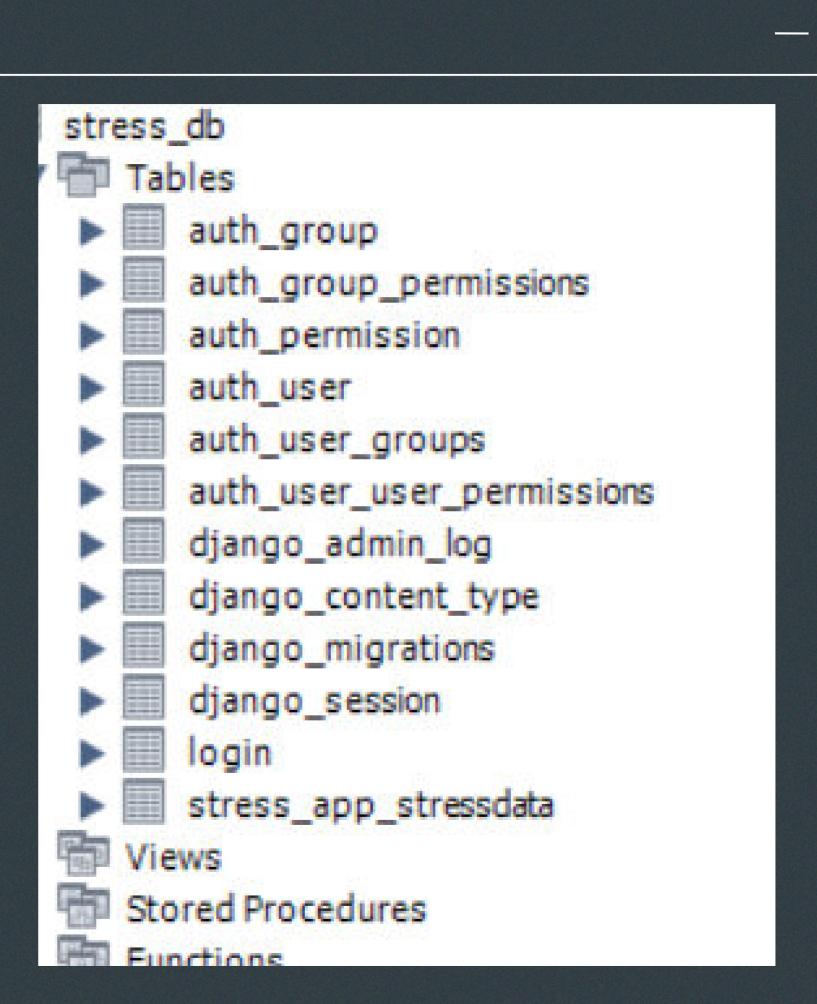
You are Not Stressed.

Enter New Data

Result Page: — □ X **Stress Detection Result** You are Stressed! **Enter New Data**

DATA BASE:

The website utilizes a MySQL database, specifically the "stress_db" database. Data is organized into various tables, allowing for efficient storage and retrieval. Each table is designed to manage specific data types, facilitating streamlined operations and enhancing overall performance.



$- \square \times$

Table containing login details:

	id	password	last_login	is_superuser	username	first_name	last_name	email	is
>	1	pbkdf2_sha256\$870000\$9JZiNrhOnim4RPzmpy	2024-11-19 09:41:40.947752	1	Meera			meeraaiswar@gmail.com	1
	2	pbkdf2_sha256\$870000\$MX5grIXfob1vxqpbfW	2024-11-22 13:40:58.609215	0	Grace			grace@gmail.com	0
	3	pbkdf2_sha256\$870000\$WK28Kv5mHK4cb4gW	HULL	0	John			abc@gmail.com	0
	4	pbkdf2_sha256\$870000\$nuOyg48WZZ9Ilbz3rn	2024-11-20 11:50:12.276159	0	Mia			mia@gmail.com	0
	5	pbkdf2_sha256\$870000\$Xmy65M787PBmtsdRU	2024-11-20 13:21:44.218673	0	Rachel			rachel@gmail.com	0
	6	pbkdf2_sha256\$870000\$awLhZLfoJmPn2IPdCN	2024-11-22 15:49:01.073381	0	Meera 123			meeraiswar@gmail.com	0

Table containing parameters:

user_id	blood_oxygen	body_temperature	eye_movement	heart_rate	limb_movement	respiratory_rate	sleeping_hours	snoring_rate	is_stressed
4	500	36.5	75	320	75	12	0	100	0
2	1	2	2	1	2	2	2	2	0
2	92	97	71	72	5	16	8	50	0
5	92	97	71	72	5	16	7	50	0
2	98	36.5	0	70	0	0	0	0	0
2	98	36.5	1	60	2	10	8	1	0
2	95	37.5	7.5	85	6	18	3	8	0
2	96	37	13	80	10	22	4	15	1
2	98	36.5	0	70	0	0	0	0	0
6	98	36.5	0	70	0	0	0	0	0
6	90	37	13	60	13	22	4	10	1
NULL	NULL	NULL	NULL	NULL	NULL	HULL	NULL	NULL	NULL

$-\square \times$

OperationalError at /

```
no such table: lists_item
```

```
Request Method: GET
```

Request URL: http://localhost:8000/

Django Version: 1.6

Exception Type: OperationalError

Exception Value: no such table: lists_item

Exception Location: /usr/local/lib/python3.3/dist-packages/django/db/backends/sqlite3/base.py in execute

Python Executable: /usr/bin/python3

Python Version: 3.3.2

Python Path: ['/tmp/tmpdss633/superlists'.

'/usr/local/lib/python3.3/dist-packages/mock-1.0.1-py3.3.egg',

'/usr/lib/python3.3',

'/usr/lib/python3.3/plat-x86 64-linux-gnu',

'/usr/lib/python3.3/lib-dynload'.

'/home/harry/.local/lib/python3.3/site-packages'.

'/usr/local/lib/python3.3/dist-packages',

'/usr/lib/python3/dist-packages']

Server time: Wed, 13 Nov 2013 13:13:13 +0000

Error during template rendering

ProgrammingError at /admin/ (1146, "Table 'django quic.django session' doesn't exist") Request Method: GET Request URL: http://127.0.0.1.0001/admin/ Diango Version: 4.2.8 Exception Type: ProgrammingError Enception Water: (1244, "mails 'djargo_quic.djargo_session' desse't exist") Exception Location: Citizens Malaza AppDetaiLocal Programs Python Python 29 librate-packages pyrmysqlam.py, line 143, in nates_mysql_exception. Raised during: dangs contrib admin sites index Python Executable: C:Users'Mataza'AppDataiLocalPrograms'Python/Python39'python.exe Python Version: 3.9.10 Pythysis Platfil: [10:1/sektb.bbsk/s/ython Projects/sauto_project1]. ci Vassers Carafaca Copposite Cucali Chragrass Chytham Chythanas Cuptionate, clpf., "c:\\users\\estars\\estars\\estars\\users\\users\\users\\under "Coloure Scharface", MagDatal Class By Minocrams V. Pythov (Wythords) V. 116". "c (Volume) (mailet in Appeartm) Lacalin Orregrams) (Python (Pythones) Survey time: Man. 18 Dec 2023 15:45:42 +0000 Traceback Switch to copy-and-paste view collegen we facely apparently, acadi programming their by the output in a tra-package contribing a contribing and because it associated associa 187. return self, pession cache ➤ Encolivors During handling of the above exception ("SessionStore" object has no attribute '_session_cache'), another exception occurred: citizaens interschilippotenzia auch Mingrasson Pythian Dymoster Exmissie-packages utbaggi utba return self.cursor.esscure(sel, paness) is Local varu. column configur/pagents/pagent return self.cursor.mecute(query, args)

Page not found (404)

Request Method: GET

Request URL: http://127.0.0.1:8001/

Using the URLconf defined in banax_platform.urls, Django tried these URL patterns, in this order:

- 2. ^ ^organizations/
 3. ^ ^auth/
 4. ^ ^groups/
- 5. ^ ^common/ 6. ^ ^products/
- 7. ^ ^placements/
 8. ^ ^activities/
- 9. ^ ^chat/

1. ^ ^users/

- 10. ^administrations/
- 11. ^oauth/
- 12. ^ ^oauth/jwt/(?P<provider>[^/]+)/\$ [name='login_social_jwt_user']
- 13. ^auth/
- 14. ^docs/

The empty path didn't match any of these.

You're seeing this error because you have DEBUG = True in your Django settings file. Change that to False, and Django will display a standard 404 page.

— □ X

Conclusion and Future Directions

In the future, stress detection website may utilize advanced AI algorithms, biometric data, and real-time analytics to provide personalized stress management solutions. Features could include virtual therapy sessions, community support forums, and integration with wearable devices to monitor stress levels and suggest coping strategies effectively.





