

WEB DEVELOPMENT TEAM 8

USE CASES

UC-1. Usecase Name :User Self-Assessment

Overview: Individuals can assess their mental health by inputting their social media content into the website. The website uses NLP to provide insights into potential depressive symptoms, enabling users to seek professional help if needed.

Actor: Individual users

Preconditions:

The user is registered and logged into the website.

Flow of Events:

User logs in.

User selects the "Self-Assessment" feature.

User inputs their social media posts.

NLP analysis is performed on the input data.

Depression likelihood assessment is provided.

Postconditions:

The user receives an assessment of potential depressive symptoms.

Users can seek professional help based on the assessment.

UC-2. Usecase Name :Mental Health Professional Support

Overview: Mental health professionals use the website to analyze their clients' social media data, helping identify potential depressive symptoms. This allows professionals to offer tailored support and treatment.

Actor: Mental health professionals

Preconditions:

The mental health professional is registered and logged into the website.

The professional has the consent of their client to analyze their social media data.

Flow of Events:

Mental health professional logs in.

Professional inputs the client's social media data.

NLP analysis is performed on the client's data.

Depression likelihood assessment is provided.

Professional offers support or treatment based on the assessment.

Postconditions:

The mental health professional has insights to support their client's mental health.

UC-3. Usecase Name :Research and Data Collection

Overview: Researchers in the mental health field utilize the website to collect data on depressive behaviors and sentiments from social media, aiding their studies and contributing to a better understanding of mental health trends.

Actor: Researchers in the field of mental health

Preconditions:

Researchers have access to the website.

Flow of Events:

Researchers access the data collection feature.

They define the criteria for data collection.

Data from social media posts is collected and anonymized.

Postconditions:

Researchers have access to data for their studies on depressive behaviors.

Privacy and data protection measures are ensured.

UC-4. Usecase Name :Parental Monitoring

Overview: Parents can monitor their children's social media activity using the website, receiving alerts if potential depressive behaviors are detected, facilitating communication, and seeking professional help if necessary.

Actor: Parents and guardians

Preconditions:

Parents have registered and linked their child's social media accounts.

Flow of Events:

Parents log in.

They configure monitoring settings.

Provides information about potential depressive behaviours in their child's posts.

Postconditions:

Parents can engage in conversations and seek professional help for their child if needed.

UC-5. Usecase Name :Support Groups and Communities

Overview: Online support groups and communities input social media data for analysis. Insights gained through NLP analysis are shared within the group, enabling members to provide support to those in distress.

Actor: Online support groups and communities

Preconditions:

The support group or community has access to the website.

Flow of Events:

Admins or members input social media data for analysis.

NLP analysis is performed.

Insights are shared within the group/community.

Postconditions:

The community can offer support to members in distress.

UC-6. Usecase Name :Public Health Surveillance

Overview: Public health agencies employ the website to track and analyze mental health trends at a population level, enabling targeted interventions and policies to address mental health issues.

Actor: Public health agencies

Preconditions:

Public health agencies have access to the website.

Flow of Events:

Agencies define data collection parameters.

Data on depressive behaviors is continuously collected and analyzed.

Postconditions:

Agencies have insights into mental health trends for targeted interventions.

UC-7. Usecase Name :Educational Awareness

Overview: Educational institutions leverage the website to monitor students' social media activity for potential signs of depression.

Actor: Mental health organizations in educational institutions

Preconditions:

Mental Health Organizations have access to the information of those in their institute.

Flow of Events:

Organizations access data analysis features of those in their institute.

Insights on depressive behaviours of students and they act accordingly.

Postconditions:

Increased awareness about depression and mental health issues in the institute.

UC-8. Usecase Name :Friends

Overview: This use case allows users to monitor their friends' social media activity for signs of depression. By providing their friends' social media IDs, the system analyses posts and provides insights. Users can offer support or encourage professional help if needed, promoting mental health awareness among friends.

Actor: Friends and well wishers.

Preconditions:

The user is registered and are aware of the social media interactions of their friends.

Flow of Events:

User log in.

They provide social media ID of their friends.

Provides information about potential depressive behaviors in their posts.

Postconditions:

The User can seek help of mental health professionals and be a support to their friends.

UC-9. Usecase Name : Social Media Platform Integration

Overview: Social media platforms integrate with the website to monitor and identify users showing signs of depression. Platform administrators can offer support and resources to affected users.

Actor: Social media platform administrators

Preconditions:

The social media platform has integrated with the website.

Flow of Events:

Users opt to link their social media profiles with the website.

The website continuously monitors their activity.

Alerts are generated and shared with the platform administrators if depressive behaviors are detected.

Postconditions:

The social media platform can offer support or resources to users displaying depressive behaviors.

UC-10. Usecase Name : Privacy Controls for Users

Overview: Individual users have control over their data on the website. They can configure privacy settings and opt out of data analysis, ensuring their data is handled according to their preferences.

Actor: Individual users

Preconditions:

The user is registered and logged into the website.

Flow of Events:

Users configure privacy settings to control the extent of data analysis.

Users can opt out of analysis at any time.

Postconditions:

Users have control over the use of their data for analysis.