**Requirements and Objectives -“mentis” final project**

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**Objectives**

* **Improve therapy outcomes by offering detailed, data-driven insights into user emotions.**
* **Empower users to reflect on their mental health journey.**
* **Streamline therapists’ preparation for sessions, saving time and enhancing understanding.**

**Functional Requirements**

1. **User Authentication and Authorization:**
   * Secure registration, login, and account management.
   * Role-based access control for therapists and users.
2. **Journaling Interface:**
   * Create, save, and edit daily journal entries.
   * Support for multilingual input.
3. **Sentiment and Tone Analysis:**
   * Analyze and track changes in emotional tone and sentiment over time.
   * Detect patterns in emotional states.
4. **Summarization and Event Highlighting:**
   * Weekly summaries of user entries.
   * Highlight significant emotional patterns or events for users and therapists.
5. **Therapist Dashboard:**
   * Provide concise, data-driven reports summarizing user progress.
   * Visualizations for emotional trends and insights.
6. **Notifications and Reminders:**
   * Notify users to complete daily journal entries.
   * Alert therapists about significant emotional changes or flagged concerns.

**(Not going to happen on this project but as a concept):**

* + **Security and Data Privacy** 
    1. Encrypt journal entries and user data.
    2. Ensure compliance with data protection regulations (e.g., GDPR).
  + **Multilingual Support (Planned):**
    1. Enable journaling and analysis in multiple languages.

**Non-Functional Requirements**

1. **Scalability:**
   * Handle growing numbers of users and data entries without performance degradation.
2. **Performance:**
   * Ensure fast response times for journaling, sentiment analysis, and dashboard updates.
3. **Availability:**
   * Maintain 99.9% uptime to support users and therapists reliably.
4. **Usability:**
   * Design intuitive interfaces for both mobile apps and therapist dashboards.
5. **Compatibility:**
   * Ensure compatibility across major cellphone brands using latest Android
6. **Maintainability:**
   * Adopt modular design to facilitate updates and bug fixes.