MENDmate

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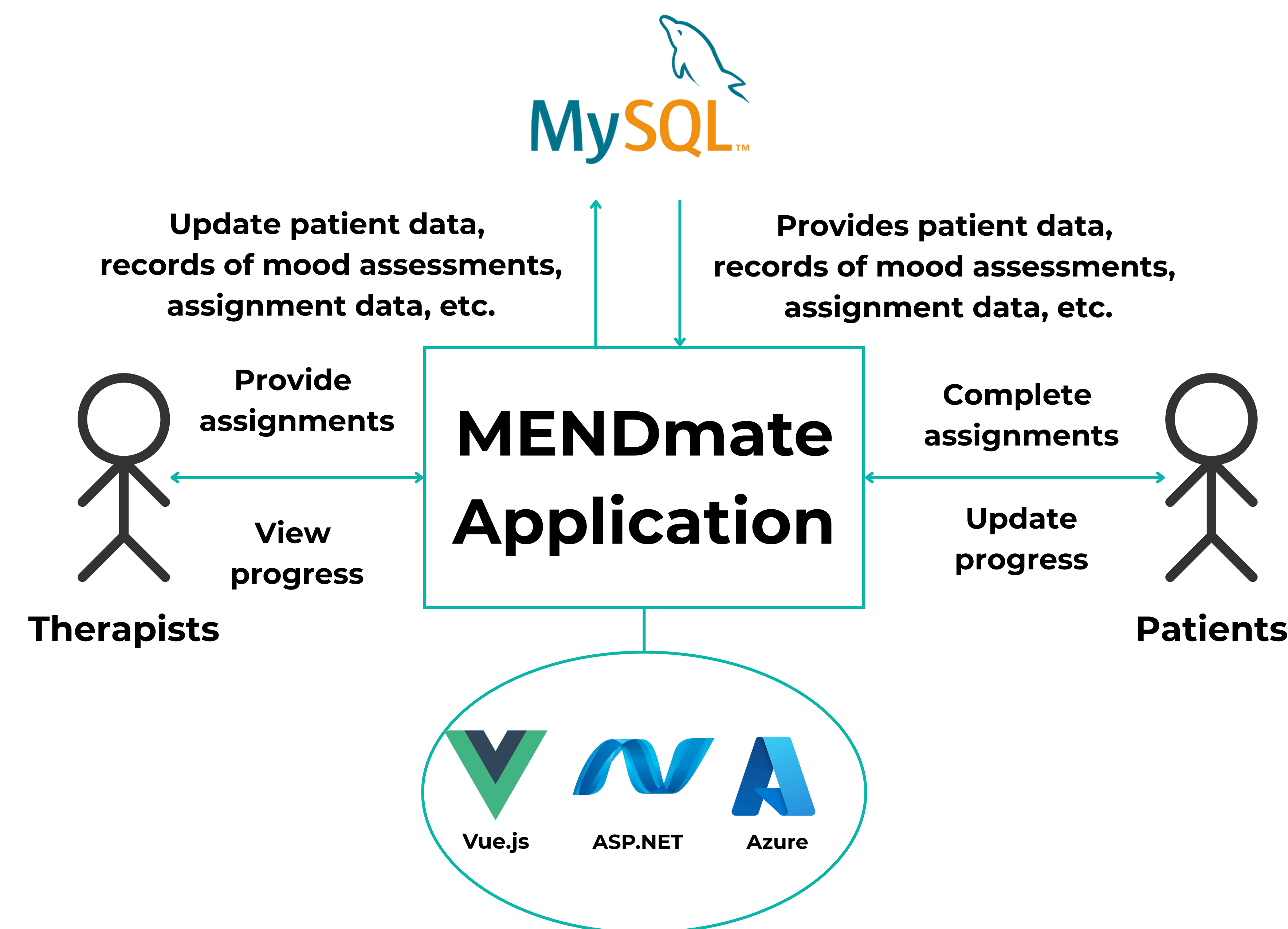Instructor: Dr. Wei Bingyang

Existing Problems:

It is estimated that 1 in 5 American adults have some mental health issue. On the other hand, there are about 35%-40% of patients who receive psychotherapy report to have no improvement in their mental health. One of the reasons is patients forget to do their assigned tasks due to personal problems, busy schedules, etc. Thus, there is a need to build a connection between clients and therapists outside of therapists section

System Architecture

Update patient data, records of mood assessments, assignment data, etc.

Provides patient data, records of mood assessments, assignment data, etc.

Provide assignments

Complete assignments

View progress

Update progress

Therapists

MENDmate Application

Patients

Vue.js   ASP.NET   Azure

Our Solutions

We proposed a web-based mobile application called MENDMate. The application will act as a point of communication between therapists and patients. Therapists can assign therapy work to patients, such as meditating, reading articles, etc. Patients can view and complete their therapy works, , and the app can reflect it to their therapists for further understanding
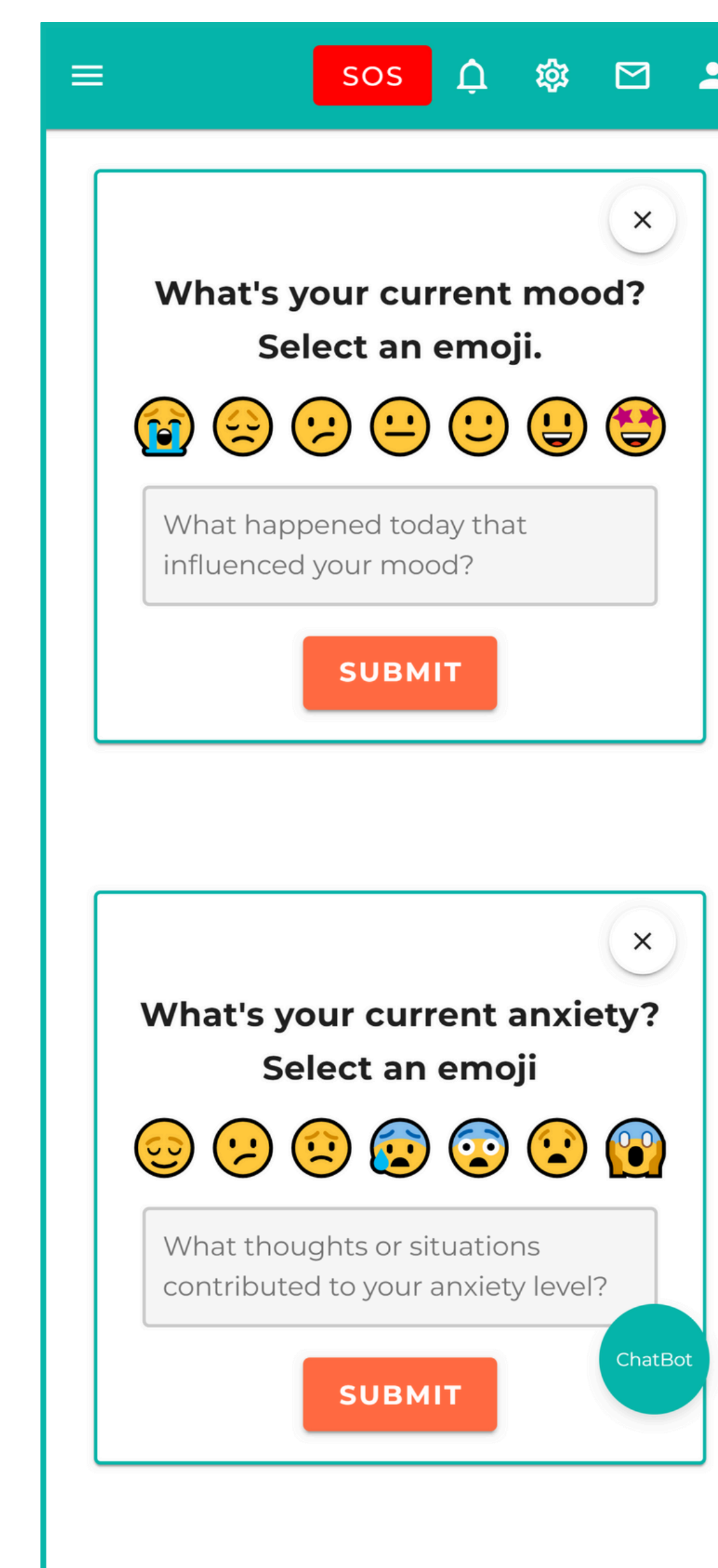
Mobile App Demo
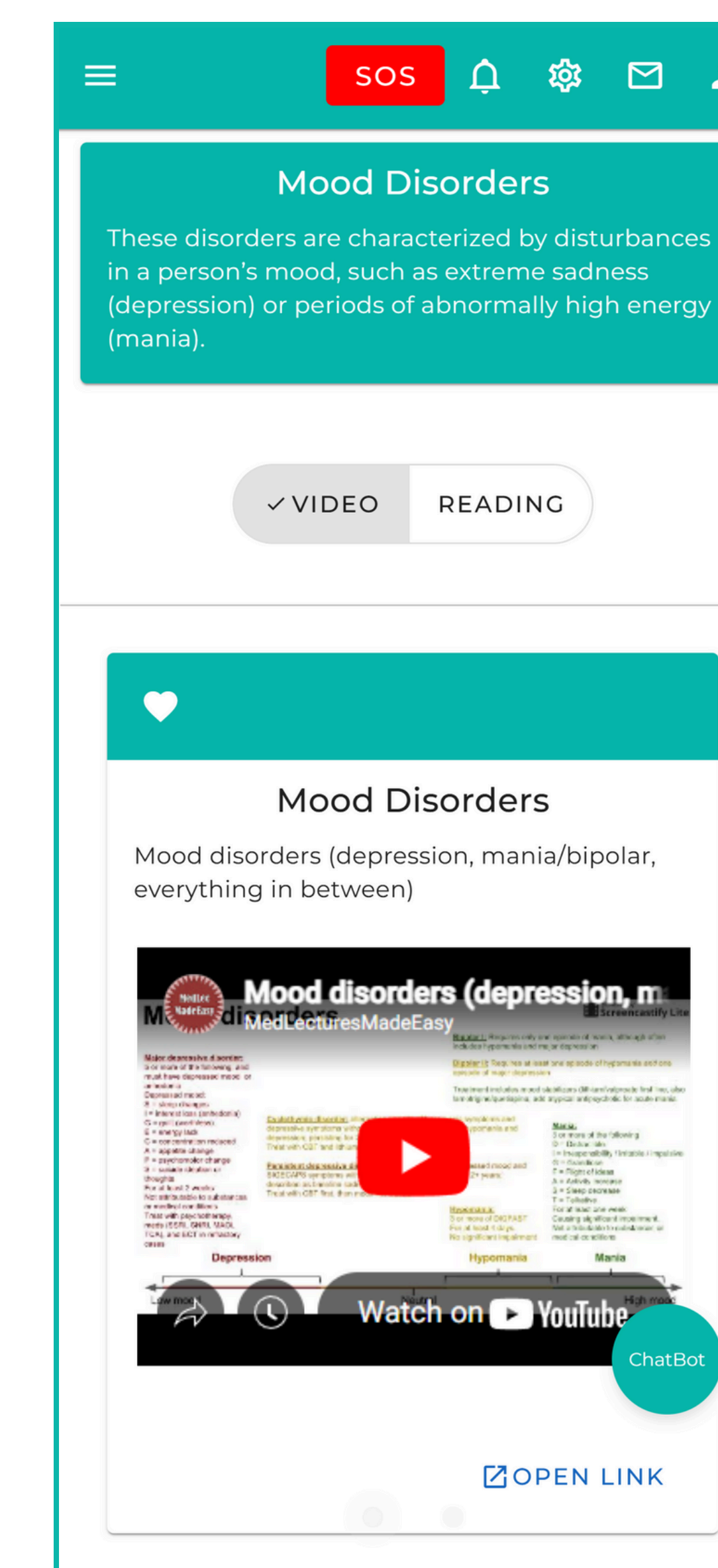

Figure 1: Mood Assessment

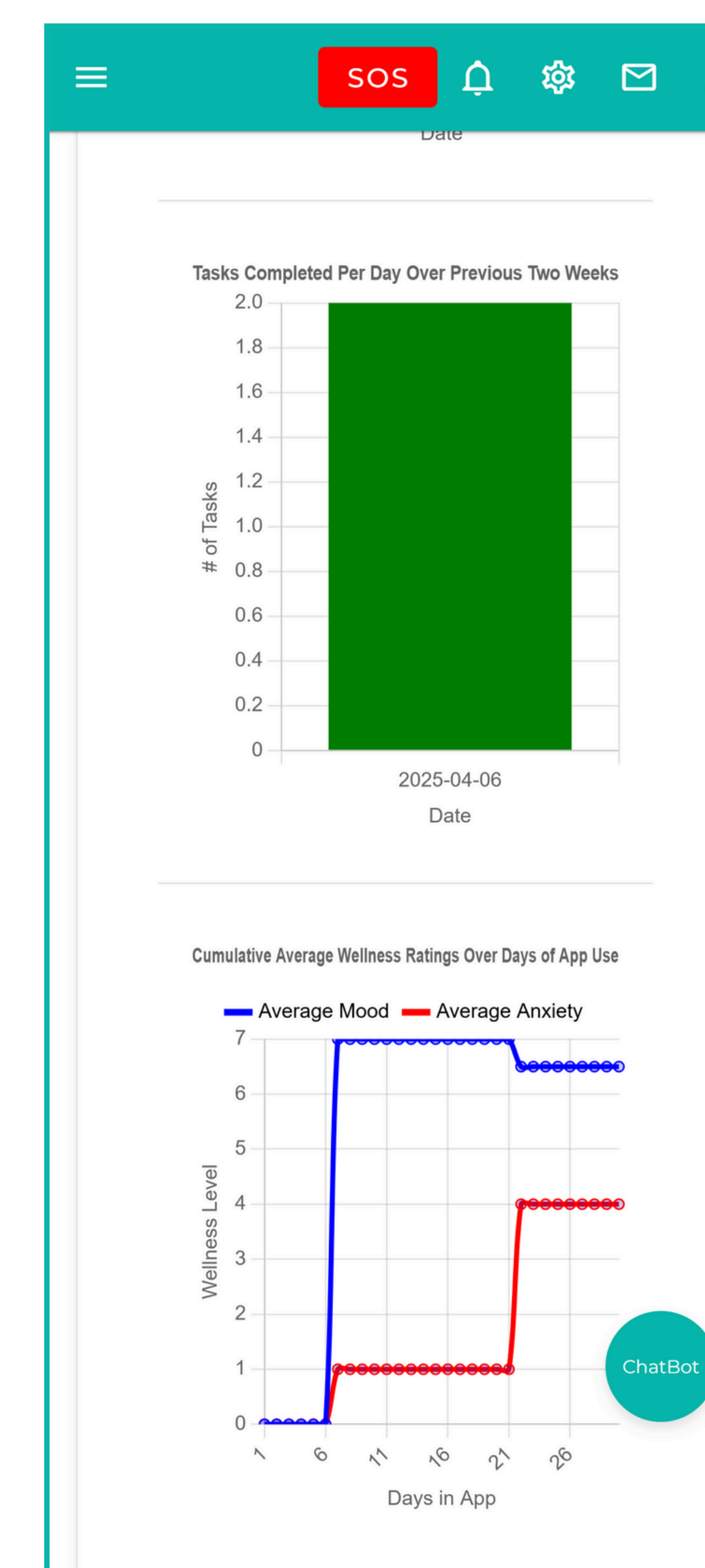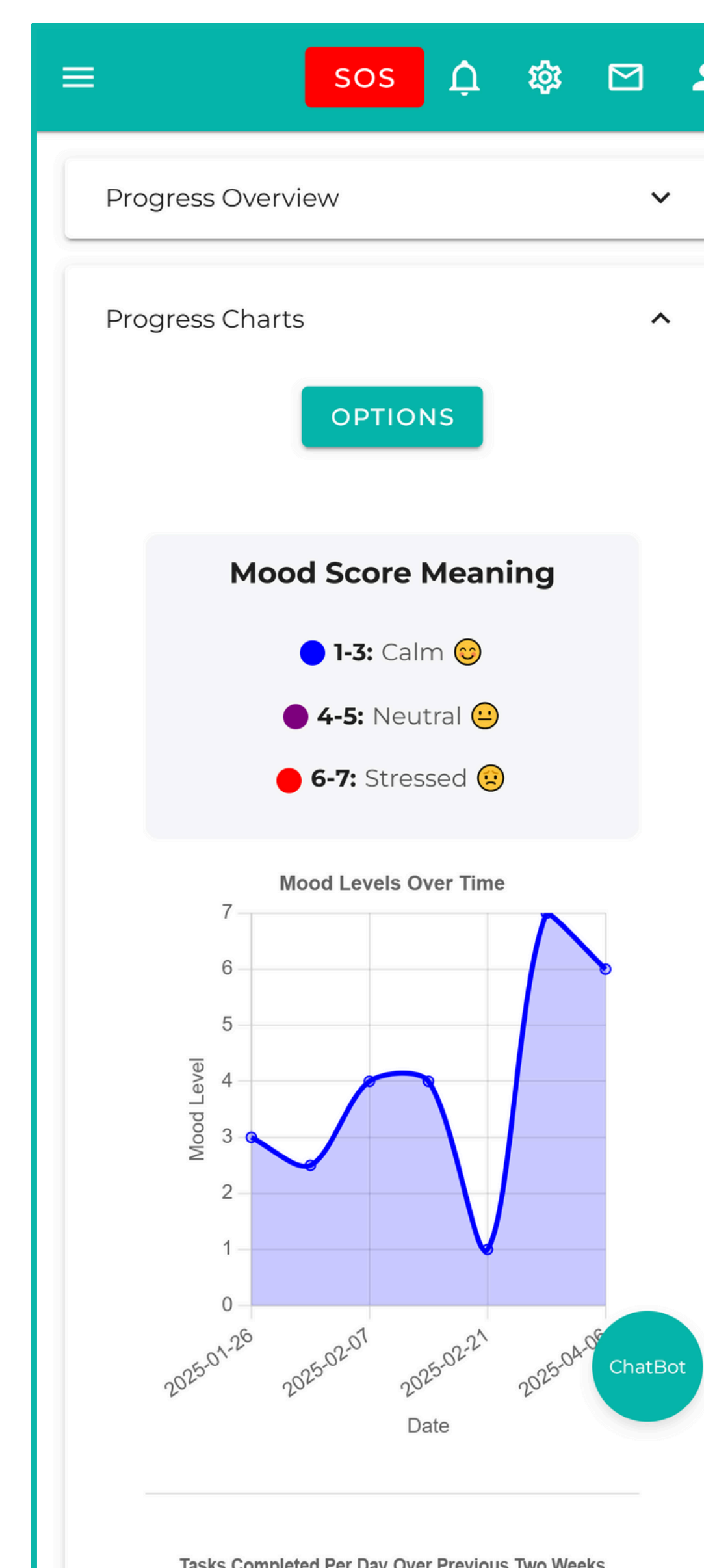**Figure 2: Reading page (Learning Library)**

Figure 3, 4: Patient Progress

Acknowledgement

We want to express our deepest gratitude towards Dr. Wei whose guidance and support has led the team through our technical and communication difficulties. We also want to give a special thank you to our clients, Nikki and Eric, for providing us with invaluable feedback in developing our products

Technology Stack

Vue.js   ASP.NET   Azure

Python   MySQL

Possible Improvement

- Develop a more scalable system
- Can add payment feature for premium versions
- Add more interactive usage tracking
- Develop more thoughtful evaluating algorithm

Try MendMate!

https://mendhealthtech.com/