**Web App: Gratitude Reflection**

***Features:                                                                                                                                       .***

**Daily Entry**: Users can write short reflections about what they're grateful for each day.

**Prompts**: The app can provide daily prompts or questions to inspire gratitude reflections.

**Calendar View**: Users can see their gratitude entries on a calendar to visualize their practice over time.

**Mood Tracking and Prediction**: A simple option for users to rate their mood when making entries, helping them see patterns over time and predict their mood on a given moment.

**Front-End Technologies:**

1. HTML/CSS: For structuring and styling the web app.

2. JavaScript: For adding interactivity to the app.

**Back-End Technologies:**

1. Node.js: A JavaScript runtime for building the server.

2. Express.js : A web framework for Node.js to handle requests and routing.

3. Database:

- MongoDB: A NoSQL database that’s great for storing user entries and mood data.

### Additional Technologies:

1. \*\*Authentication\*\*:

- \*\*JWT (JSON Web Tokens)\*\* or \*\*OAuth\*\*: For user authentication and securing entries.

2. \*\*APIs\*\*:

- You might consider integrating third-party APIs for features like mood prediction or additional prompts.

3. \*\*Calendar Library\*\*:

- A library like \*\*FullCalendar\*\* for displaying entries in a calendar view.

4. \*\*Charting Library\*\*:

- For mood tracking visualization, libraries like \*\*Chart.js\*\* or \*\*D3.js\*\* can be useful.

### Hosting and Deployment:

1. \*\*Cloud Services\*\*:

- \*\*Heroku\*\*, \*\*Vercel\*\*, or \*\*Netlify\*\* for hosting the app.

- \*\*MongoDB Atlas\*\* for hosting your database in the cloud.

### Development Tools:

1. \*\*Version Control\*\*:

- \*\*Git\*\* and \*\*GitHub\*\* for version control and collaboration.

2. \*\*Development Environment\*\*:

- Code editor like \*\*Visual Studio Code\*\* for writing your code.

This stack provides a solid foundation for building your gratitude reflection web app while ensuring scalability and maintainability.

* Java script to Node.js
* Node.js to SQL database

<https://www.youtube.com/watch?v=eIjbSH3Imb8>