

Project Overview

Dose Right Calculator (<https://doserightcalc.com>) is a cannabis dosage calculator designed to provide users with accurate dosing recommendations. Currently in test mode, the platform supports free and paid plans, leveraging a stack of React, JavaScript, MongoDB, DigitalOcean, GitHub, and Stripe for seamless functionality.

This proposal outlines the enhancements required to improve the platform's functionality, security, user experience, and compliance.

Scope of Work

1. Dashboard for Paid Users

Objective: Develop a robust analytics dashboard exclusively for paid plan users.

- Features:
- Display key performance indicators (KPIs) such as:
- Average THC/CBD absorbed.
- Usage trends (daily, weekly, monthly).
- Dose history summaries.
- Interactive charts for visualizing data trends (using Chart.js or Recharts).
- Implementation:
- Fetch data from the existing history table.
- Ensure RBAC is in place to restrict dashboard access to paid users.
- Design an intuitive UI for data visualization.

2. Enhanced Security

Objective: Strengthen security measures to protect sensitive user data.

- Encryption: Encrypt sensitive data at rest (MongoDB) and in transit (HTTPS).
- Authentication:
- Implement multi-factor authentication (MFA) for paid users.
- Enforce secure password storage using bcrypt or Argon2.

- API Security:
- Validate and sanitize inputs to prevent attacks.
- Implement rate limiting to mitigate abuse.
- Data Privacy:
- Ensure compliance with GDPR and other relevant regulations.
- Store only necessary sensitive data and secure it properly.

3. Age Verification

Objective: Ensure users meet legal age requirements for cannabis-related services.

- Add an age verification popup during registration.
- Integrate a third-party service like Veratad or BlueCheck for ID verification (if required).
- Log age verification data for compliance.

4. Stripe Payment Flow Optimization

Objective: Improve the payment experience for users.

- Simplify the Stripe payment flow using the Checkout Session API.
- Enable real-time payment status updates using webhooks.
- Allow users to save payment methods for future transactions.
- Conduct extensive testing for different scenarios (e.g., failed payments, expired cards).

5. Logic Update for Edible Category

Objective: Refine dose calculations for the “Edible” category.

- Adjust the logic to incorporate new factors (e.g., metabolism, edible type).
- Provide tooltips or help text to explain the changes to users.

6. User Agreement Integration

Objective: Protect the platform legally by requiring users to agree to terms.

- Add a mandatory checkbox during registration and login for users to accept the Terms of Service.

- Draft a legal agreement that includes:
- Educational purpose disclaimers.
- Liability disclaimers for incorrect dosage.
- Age restriction policies.
- Display the agreement prominently on the website.

Main Requirements

Security and a seamless checkout is necessary things

The Dashboard thing

Age verification

Agreement

also if I need to give free trial or coupons is it through stripe we implement

like 1 month free paid plan

age verification - we can keep it simple..like check box or something

edible logic to change. Attached

1 pdf file ask from Adil to provide you

edible when selected will only have 1 option as input.