Front End Structure

Drinks Sustainability Tool

Version: 1.1
Date: 2025-07-18
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Status: Draft

1. Introduction

This document outlines the high-level frontend structure for the 'Drinks Sustainability Tool'. It breaks down the application into its primary pages and the key React components that will comprise each page. This structure is derived from the App Flow document and is designed to create a modular, scalable, and maintainable user interface.

2. Overall Layout Structure

The application will use a consistent, modern layout for logged-in users.

- **AppLayout (Main Container):**
  - **SidebarNav Component:** A persistent vertical navigation bar on the left side. It will contain links to the main pages (Dashboard, Reports, Suppliers, Settings). Icons from the Style Guide will be used.
  - **Header Component:** A top header bar that displays the current page title, user profile information (name, avatar), and a logout button.
  - **MainContent Area:** The central area of the screen where the content for the currently selected page will be rendered.

3. Page & Component Breakdown

3.1. Public Pages (Pre-Authentication)

- **MarketingHomePage:**
  - HeroSection Component
  - Features Component
  - PricingTiers Component
  - CallToAction Component
  - Footer Component
- **AuthPage:**
  - ReplitAuthModal Component (This will be the standard modal provided by Replit Auth).
- **BlogPages:** A section for publishing articles and content.
  - **BlogIndexPage:** The main landing page listing all articles.

- FeaturedPost Component
- PostList Component (contains multiple PostCard components)
- PostCard Component (A reusable summary card for a single blog post)
- CategoryFilter Component
  - **BlogPostPage:** A page for displaying a single, full article.
    - ArticleHeader Component (Title, author, date)
    - ArticleBody Component (Markdown/HTML content)
    - SocialShare Component

3.2. Main Application Pages (Post-Authentication)

- **OnboardingPage:** This page will manage the multi-level onboarding flow.
  - OnboardingWizard Component (Main container for the steps)
    - WelcomeStep Component
    - CompanyProfileStep Component
    - OperationalFootprintStep Component
      - UtilityBillUploader Sub-component (with OCR feedback)
    - ProductFootprintStep Component
      - ProductionModelSelector Sub-component (Own vs. Contract)
      - OwnProductionForm Sub-component
      - ContractManufacturerForm Sub-component
    - ReviewDataStep Component
  - ProgressBar Component
  - BadgeNotification Component
- **DashboardPage:** The main landing page after onboarding is complete.
  - DashboardSummary Component (Shows top-level KPIs: Total CO2e, Water, Waste)
  - EmissionsBreakdownChart Component (Pie or Bar chart for Scope 1, 2, 3)
  - ProductSKUSelector Component (Dropdown to filter product-specific data)
  - ProductFootprintCard Component (Displays LCA results for the selected SKU)
  - ReportStatus Component (Shows the status of the latest report: "Draft", "Pending Review", "Approved")
    - RequestReviewButton Sub-component
- **ReportsPage:** A page to view and manage generated reports.
  - ReportHistoryTable Component (Lists all previously generated reports with date, status, and a download link)
  - DownloadReportButton Component (Only active for "Approved" reports)
- **SuppliersPage:** A page to manage contract manufacturers.
  - SupplierList Component (Table showing invited suppliers, their contact info, and data submission status: "Pending", "Complete")

- ○ InviteSupplierModal Component (A form to send a new invitation)
- ● **SettingsPage:**
  - ○ UserProfileForm Component (For updating user details)
  - ○ CompanyProfileForm Component (For updating company info)
  - ○ BillingInfo Component (To manage subscription, view invoices - integrates with Stripe)

3.3. Supplier Portal Pages

This is a separate, simplified application view for suppliers. It does not use the main AppLayout.

- ● **SupplierPortalPage:**
  - ○ SupplierWelcome Component
  - ○ SupplierDataForm Component (A simplified version of the client's data collection forms, tailored to the supplier's role)
  - ○ SubmitDataButton Component