DescriptAI - Product Description Generator
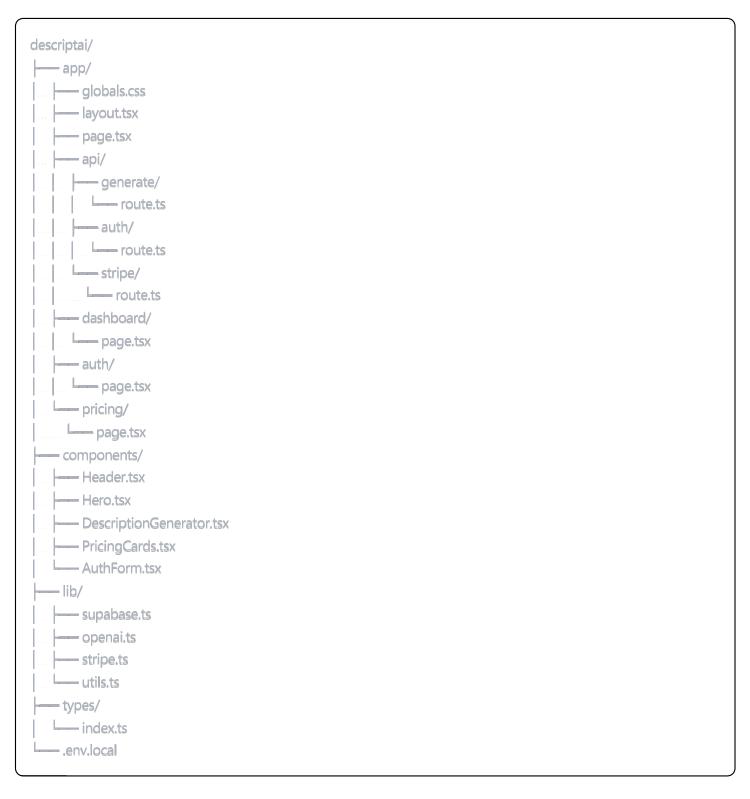
🚀 Quick Setup

```bash
bash

# Create new Next.js project
npx create-next-app@latest descriptai --typescript --tailwind --eslint --app
cd descriptai

# Install additional dependencies
npm install @supabase/supabase-js openai stripe lucide-react @headlessui/react clsx
```

📁 Project Structure

```
descriptai/
├──── app/
|  ... ├──── globals.css
|  ... ├──── layout.tsx
|      ├──── page.tsx
|  ... ├──── api/
|  ...|     ├──── generate/
|  ...|  ...|     └──── route.ts
|  ...|  ...├──── auth/
|  ...|  ...|  ... └──── route.ts
|  ...|     └──── stripe/
|  ...|           └──── route.ts
|  ... ├──── dashboard/
|  ...|     └──── page.tsx
|      ├──── auth/
|  ...|     └──── page.tsx
|  ... └──── pricing/
|  ........    └──── page.tsx
├──── components/
|  ... ├──── Header.tsx
|  ... ├──── Hero.tsx
|  ... ├──── DescriptionGenerator.tsx
|  ... ├──── PricingCards.tsx
|      └──── AuthForm.tsx
├──── lib/
|  ... ├──── supabase.ts
|  ... ├──── openai.ts
|  ... ├──── stripe.ts
|  ... └──── utils.ts
├──── types/
|      └──── index.ts
└──── .env.local
```

🔧 Environment Variables (.env.local)
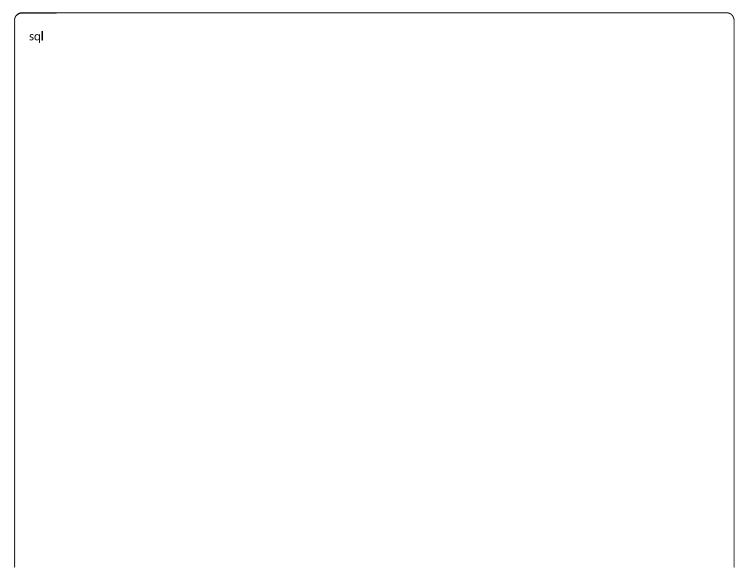
```env
env
```

```
# Supabase
NEXT_PUBLIC_SUPABASE_URL=your_supabase_url
NEXT_PUBLIC_SUPABASE_ANON_KEY=your_supabase_anon_key
SUPABASE_SERVICE_ROLE_KEY=your_service_role_key

# OpenAI
OPENAI_API_KEY=your_openai_api_key

# Stripe
STRIPE_SECRET_KEY=your_stripe_secret_key
NEXT_PUBLIC_STRIPE_PUBLISHABLE_KEY=your_stripe_publishable_key
STRIPE_WEBHOOK_SECRET=your_webhook_secret

# App
NEXTAUTH_URL=http://localhost:3000
NEXTAUTH_SECRET=your_nextauth_secret
```

📊 Supabase Database Schema

```sql
```

```sql
-- Users table (extends Supabase auth.users)
CREATE TABLE public.profiles (
    id UUID REFERENCES auth.users ON DELETE CASCADE,
    email TEXT,
    full_name TEXT,
    subscription_tier TEXT DEFAULT 'free',
    descriptions_used INTEGER DEFAULT 0,
    descriptions_limit INTEGER DEFAULT 5,
    created_at TIMESTAMP WITH TIME ZONE DEFAULT TIMEZONE('utc'::text, NOW()),
    updated_at TIMESTAMP WITH TIME ZONE DEFAULT TIMEZONE('utc'::text, NOW()),
    PRIMARY KEY (id)
);


-- Product descriptions table
CREATE TABLE public.descriptions (
    id UUID DEFAULT gen_random_uuid() PRIMARY KEY,
    user_id UUID REFERENCES public.profiles(id) ON DELETE CASCADE,
    product_name TEXT NOT NULL,
    product_features TEXT,
    target_audience TEXT,
    tone TEXT DEFAULT 'professional',
    character_limit INTEGER,
    generated_description TEXT NOT NULL,
    created_at TIMESTAMP WITH TIME ZONE DEFAULT TIMEZONE('utc'::text, NOW())
);


-- Enable Row Level Security
ALTER TABLE public.profiles ENABLE ROW LEVEL SECURITY;
ALTER TABLE public.descriptions ENABLE ROW LEVEL SECURITY;


-- Policies
CREATE POLICY "Users can view own profile" ON public.profiles
    FOR SELECT USING (auth.uid() = id);

CREATE POLICY "Users can update own profile" ON public.profiles
    FOR UPDATE USING (auth.uid() = id);

CREATE POLICY "Users can view own descriptions" ON public.descriptions
    FOR SELECT USING (auth.uid() = user_id);

CREATE POLICY "Users can insert own descriptions" ON public.descriptions
    FOR INSERT WITH CHECK (auth.uid() = user_id);
```

🚀 Next Steps

1. Run the setup commands above

2. Create a Supabase project and add the database schema

3. Get your API keys (OpenAI, Stripe, Supabase)

4. Add environment variables

5. I'll provide the complete code files next!

Ready for the code files?