🌱 Fresh Roots - Quick Start Guide

✅ BACKEND COMPLETE - READY FOR MOBILE APP!

📊 What You Have Now

Backend API ✅ DEPLOYED & RUNNING

- 🔗 **Local URL**: http://localhost:3000
- 📚 **API Docs**: http://localhost:3000/api-docs
- 🚀 **Total Endpoints**: 40+ (including 10 new admin APIs)
- 💾 **Database**: PostgreSQL with 15 Mauritian products
- 👤 **Admin Login**: yashbeeharry363@gmail.com / Admin@123

🎯 What's Working Right Now

✅ Core Features

- [x] User registration & login (JWT authentication)
- [x] Browse 15 Mauritian products (Brèdes, Lalo, etc.)
- [x] Express interest in products
- [x] Create orders (cash on delivery)
- [x] Admin approve/reject orders
- [x] PostHog analytics (tracking events)
- [x] Stock management
- [x] Search & filtering
- [x] Multiple images per product

✅ Admin Dashboard APIs

- [x] Dashboard overview (metrics, recent orders, popular products)
- [x] Statistics (users, orders, revenue, growth)
- [x] Sales analytics (daily breakdown, charts data)
- [x] Product analytics (top selling, low stock alerts)
- [x] User management (list, view, update role, delete)
- [x] Reports (revenue, inventory, activity log)

🟡 Ready But Needs Setup

- [ ] Email notifications (structure ready, needs Gmail SMTP config)
- [ ] MIPS payment (structure ready, needs merchant account)

📖 Documentation Files

File	Purpose	Status
`FRESH_ROOTS_PROJECT_STATUS.md`	**Main status report** (start here!)	✅ Created
`FRESH_ROOTS_BACKEND_API_DOCUMENTATION.md`	Complete API reference for frontend devs	✅ Created
`FRESH_ROOTS_DEVELOPER_GUIDE.md`	Detailed implementation guide (1565 lines)	✅ Created
`GMAIL_SMTP_SETUP_GUIDE.md`	Email configuration steps	✅ Created
`fresh_roots_system_design.md`	Architecture & tech decisions	✅ Created

💡 **TIP**: Download all files using the "Files" button (top-right of UI)

🚀 Your Next Steps

Step 1: Configure Email (5 minutes) 🟡

```
# Follow GMAIL_SMTP_SETUP_GUIDE.md
1. Enable 2FA on Gmail
2. Generate App Password
3. Update .env file
4. Test: http://localhost:3000/api/test-email?to=yashbeeharry363@gmail.com
```

Step 2: Choose Mobile App Development Approach 🔴

Option A: Start new conversation for React Native app (recommended)
Option B: Hire React Native developer (give them API documentation)
Option C: Build yourself (follow FRESH_ROOTS_DEVELOPER_GUIDE.md)

Step 3: Build Admin Dashboard 🔴

Option A: Separate Next.js web app (best for analytics)
Option B: Admin screens in mobile app (all-in-one)
Option C: Use Retool/Budibase (quick setup)

Step 4: Deploy to Production 🟢

```
1. Click "Deploy" button in UI
2. Get production URL (e.g., freshroots.abacusai.app)
3. Update mobile app with production URL
4. Test all endpoints
```

🧪 Test the Backend Now

1. Open Swagger UI

```
http://localhost:3000/api-docs
```

2. Login as Admin

```
POST /api/auth/login
{
  "email": "yashbeeharry363@gmail.com",
  "password": "Admin@123"
}
```

Copy the `access_token` from response.

3. Test Admin Dashboard

```
GET /api/admin/dashboard/overview
Authorization: Bearer YOUR_ACCESS_TOKEN
```

4. Browse Products

```
GET /api/listings?page=1&limit=20
```

📱 For Mobile App Developer

Quick Integration

1. **Base URL**: `http://localhost:3000` (dev) or `https://your-domain.abacusai.app` (prod)

2. **Authentication Flow**:

```
// Login
POST /api/auth/login → get tokens
Store access_token (15min) & refresh_token (30 days)

// Use in requests
Authorization: Bearer {access_token}

// Refresh when expired
POST /api/auth/refresh → get new tokens
```

1. **Key Endpoints**:

```
GET  /api/listings      → Browse products
GET  /api/listings/:id  → Product details
POST /api/interest      → Express interest
POST /api/orders        → Create order
GET  /api/orders/my-orders → Order history
```

1. **PostHog Analytics**:

```
// Already configured on backend
// Frontend should track:
- screen_viewed
- product_clicked
- cart_add_item
- checkout_started
```

💡 Pro Tips

1. **Test Locally First**: Use Swagger UI to test all endpoints before building frontend

2. **Read API Docs**: `FRESH_ROOTS_BACKEND_API_DOCUMENTATION.md` has complete examples

3. **Use Mauritian Touch**:
   - Green theme (#2d8659)
   - Creole phrases: "Bonzour", "Mersi", "Frais ek Kalite"
   - Mauritius flag emoji 🇲🇺

4. **Email Setup is Easy**: Gmail SMTP takes 5 minutes, follow the guide

5. **MIPS Can Wait**: Cash on Delivery works perfectly for MVP

🎨 Recommended Mobile App Screens

1. **Splash** → "Frais ek Kalite" 🌱🇲🇺
2. **Auth** → Login/Register
3. **Home** → Product grid with search
4. **Product Details** → Images, price, stock, "Buy" or "Express Interest"
5. **Cart** → Review items
6. **Checkout** → Choose payment method
7. **My Orders** → Order history with status
8. **Interest** → Past inquiries
9. **Profile** → User settings
10. **Admin** (if admin) → Dashboard, manage orders

📞 Need Help?

- **Admin Email**: yashbeeharry363@gmail.com

- **Backend Logs**: Check "Logs" button in UI
- **API Issues**: Read `FRESH_ROOTS_BACKEND_API_DOCUMENTATION.md`
- **PostHog**: https://app.posthog.com/

📦 What's in the Box

```
Backend API ✅
├── 40+ API endpoints
├── 15 seeded products
├── Admin dashboard APIs
├── PostHog analytics
├── Email service (ready)
├── Payment structure (ready)
└── Complete documentation

Documentation ✅
├── API reference (for mobile dev)
├── Developer guide (1565 lines)
├── Email setup guide
├── System design
└── This quick start guide

Mobile App ❌ (Next step!)
Admin Dashboard ❌ (Next step!)
```

🏆 You're 30% Done with MVP!

✅ **Backend Complete** (Week 1)
🔴 **Mobile App** (Week 2-3) ← **YOU ARE HERE**
🔴 **Admin Dashboard** (Week 3)
🔴 **Testing & Deploy** (Week 4)
🔴 **Launch** (Week 4)

Ready? Let's build the mobile app! 📱🚀

🌱 **Frais ek Kalite!** 🇲🇺