BIG BROTHER – FRONTEND / BACKEND CONNECTION

1. Backend API Base URL:
   - https://api.bigbrotherinvestments.co.ke
   - All frontend requests will use this base

2. Endpoints:

   [Auth]
   - POST /api/auth/register → Create new user
   - POST /api/auth/login → User login
   - Middleware: authMiddleware → protects routes by role

   [Investment]
   - POST /api/invest → Investor makes an investment
   - GET /api/invest → Get all user investments
   - GET /api/invest/mpesa → Callback endpoint for M-Pesa payments

   [Admin]
   - GET /api/admin/investments → Admin view all investments
   - POST /api/admin/approve → Approve investment
   - POST /api/admin/payout → Trigger monthly ROI

3. Frontend Components:
   - Landing Page → Hero, HowItWorks, Sectors
   - Booking Form → Invest
   - Investor Dashboard → View investments & payouts
   - Admin Dashboard → Manage investments & users
   - Login / Register Forms

4. Data Flow:
   - User fills form → frontend sends POST → backend processes → database updates → response sent back → frontend updates view
   - All secure endpoints require JWT token in Authorization header
   - Monthly ROI is automatically calculated by backend cron job and recorded in transactions table

5. Notes:
   - All API requests return JSON
   - Frontend handles errors & loading states
   - Role-based views: Investor sees only their data, Admin sees all data