```prisma
// ============================================================================
// == BWGA NEXUS 7.0 - DEFINITIVE DATABASE SCHEMA (VERSION 7.0) // == This schema
represents the complete architecture for the platform. //
============================================================================

generator client { provider = "prisma-client-js" }

datasource db { provider = "postgresql" url = env("DATABASE_URL") }

// ============================================================================
// == PART 1: USER & ORGANIZATION MANAGEMENT //
============================================================================

// Standard Next-Auth models for secure user authentication model Account { id String @id
@default(cuid()) userId String type String provider String providerAccountId String user
User @relation(fields: [userId], references: [id], onDelete: Cascade) @@unique([provider,
providerAccountId]) }

model Session { id String @id @default(cuid()) sessionToken String @unique userId String
expires DateTime user User @relation(fields: [userId], references: [id], onDelete:
Cascade) }

// The core User model model User { id String @id @default(cuid()) name String? email
String? @unique emailVerified DateTime? image String?

organizationId String? organization Organization? @relation(fields: [organizationId],
references: [id])

accounts Account[] sessions Session[] reports Report[] }

// Represents the company or government agency a user belongs to model Organization
{ id String @id @default(cuid()) name String type String // e.g., "COMPANY",
"GOVERNMENT_AGENCY", "NGO" background String @db.Text country String

users User[] }

// ============================================================================
// == PART 2: THE CORE PRODUCT - REPORTS & USER QUERIES //
============================================================================
```

```prisma
// Stores the user's specific query from the "Nexus Dialogue" model StrategicProfile { id String @id @default(cuid()) createdAt DateTime @default(now())

// The user's detailed needs objective String // e.g., "SUPPLY_CHAIN_DIVERSIFICATION" priorities Json // e.g., {"1": "LOWER_COSTS", "2": "REDUCE_TARIFFS"} riskProfile Json // e.g., {"primaryConcern": "POLITICAL_INSTABILITY"} dealbreakers Json // e.g., ["ENERGY_GRID_RELIABILITY < 99.9%"]

Report Report? }

// The main Report entity, storing the output of an analysis model Report { id String @id @default(cuid()) createdAt DateTime @default(now())

// Relationships userId String user User @relation(fields: [userId], references: [id]) strategicProfileId String @unique profile StrategicProfile @relation(fields: [strategicProfileId], references: [id])

// Report Details reportType String // "AI_SNAPSHOT", "TIER_1_AI", "TIER_1_AI_HUMAN" status String // "COMPLETED", "AWAITING_HUMAN_REVIEW" downloadUrl String? // Secure link to the generated PDF

// Key AI-Generated Results recommendedRegions Json // e.g., ["Mindanao, PH", "Da Nang, VN"] urpIndexScore Float? riskScore Float? keyInsights Json // e.g., ["Region has a new SEZ", "Recent trade agreement"]

// Link to the social impact it created CommunityProject CommunityProject[] // Link to user feedback for self-learning UserFeedback UserFeedback? }

// =====================================================================
// == PART 3: THE GLOBAL DATA MESH - WHAT THE AI LEARNS FROM //
=====================================================================

// The hierarchical model for all global regions model Region { id Int @id @default(autoincrement()) name String type String // "CONTINENT", "SUB_REGION", "COUNTRY", "PROVINCE" countryCode String? // e.g., "PH", "VN"

parentId Int? parent Region? @relation("Hierarchy", fields: [parentId], references: [id]) children Region[] @relation("Hierarchy")

// Live & cached data points population BigInt? gdp BigInt? lastUpdated DateTime @updatedAt
```

// Relationships tenders ProjectTender[] incentives Incentive[] verifiedPartners VerifiedPartner[] }

// From the Live Tender Aggregator model ProjectTender { id String @id @default(cuid()) title String description String @db.Text source String // e.g., "World Bank", "UN Global Marketplace" value BigInt? status String // "OPEN", "CLOSED" url String @unique

regionId Int region Region @relation(fields: [regionId], references: [id]) }

// From the Government Incentive Database model Incentive { id String @id @default(cuid()) name String type String // "TAX_HOLIDAY", "GRANT", "LAND_GRANT" description String @db.Text

regionId Int region Region @relation(fields: [regionId], references: [id]) }

// ==
// == PART 4: THE ECOSYSTEM & SOCIAL IMPACT //
// ==

// The Community Impact Fund projects model CommunityProject { id String @id @default(cuid()) name String description String @db.Text regionName String fundingAmount Float

reportId String report Report @relation(fields: [reportId], references: [id]) }

// The "Nexus Verified Partner" Network model VerifiedPartner { id String @id @default(cuid()) name String serviceType String // "LEGAL", "ACCOUNTING", "LOGISTICS"

regionId Int region Region @relation(fields: [regionId], references: [id]) }

// ==
// == PART 5: THE "NEXUS CORTEX"™ - SELF-LEARNING SYSTEM //
// ==

// Logs the outcome of each report to enable learning model UserFeedback { id String @id @default(cuid())

reportId String @unique report Report @relation(fields: [reportId], references: [id])

outcome String // "PARTNERSHIP_PROCEEDED", "DID_NOT_PROCEED" reason String? @db.Text // Why they didn't proceed }

```prisma
// Stores the "learnings" generated by the Cognition Engine model NexusCortexInsight { id String @id @default(cuid()) createdAt DateTime @default(now())

insightType String // "SUCCESS_PATTERN", "FAILURE_PATTERN", "HUMAN_HEURISTIC" description String @db.Text

// The specific adaptation the system made actionTaken String // e.g., "ADJUSTED_ALGORITHM_WEIGHT", "ADDED_DIALOGUE_QUESTION" metadata Json? // e.g., {"factor": "ip_protection", "multiplier": 1.2} }

// ====================================================================
// == BWGA NEXUS 7.0 - DEFINITIVE DATABASE SCHEMA (VERSION 7.1 - PRODUCTION) //
// == This schema includes Monetization, User Engagement, and Admin BI. //
// ====================================================================

generator client { provider = "prisma-client-js" }

datasource db { provider = "postgresql" url = env("DATABASE_URL") }

// ====================================================================
// == PART 1: USER, ORGANIZATION & AUTHENTICATION //
// ====================================================================

model Account { /* ... same as before ... /} model Session { / ... same as before ... /} model VerificationToken { / ... same as before ... */ }

enum UserRole { MEMBER ADMIN PARTNER // For Nexus Verified Partners }

model User { id String @id @default(cuid()) name String? email String? @unique image String? emailVerified DateTime?

role UserRole @default(MEMBER) // <-- NEW: Admin capabilities

organizationId String? organization Organization? @relation(fields: [organizationId], references: [id])

accounts Account[] sessions Session[] reports Report[] quotes Quote[] payments Payment[] notifications Notification[] subscription Subscription? }

model Organization { /* ... same as before ... */ }
```

```
// ======================================================================
// == PART 2: THE CORE PRODUCT - QUOTES, REPORTS & USER QUERIES //
// ======================================================================

model StrategicProfile { /* ... same as before ... */ }

model Report { /* ... same as before, with one addition ... */ id String @id @default(cuid())
// ... all other fields Quote Quote? // <-- NEW: Link report to a quote }

// --- NEW: Monetization & Billing --- model Quote { id String @id @default(cuid()) createdAt
DateTime @default(now()) status String // "PENDING", "ACCEPTED", "EXPIRED" price Float
// The dynamically calculated price for the report reportType String // e.g.,
"TIER_1_AI_HUMAN"

userId String user User @relation(fields: [userId], references: [id])

reportId String? @unique report Report? @relation(fields: [reportId], references: [id]) }

model Payment { id String @id @default(cuid()) createdAt DateTime @default(now())
amount Float currency String @default("USD") status String // "SUCCESS", "FAILED"
provider String // e.g., "Stripe" providerPaymentId String @unique

userId String user User @relation(fields: [userId], references: [id]) }

model Subscription { id String @id @default(cuid()) status String // "ACTIVE", "CANCELED",
"PAST_DUE" plan String // e.g., "DASHBOARD_PRO", "API_ACCESS" price Float

userId String @unique user User @relation(fields: [userId], references: [id]) }

// ======================================================================
// == PART 3: THE GLOBAL DATA MESH //
// ======================================================================

model Region { id Int @id @default(autoincrement()) name String // ... other fields

// --- NEW: Deeper, flexible data fields --- demographicsJson Json?
infrastructureScoresJson Json? politicalMetricsJson Json?

lastVerified DateTime? // <-- NEW: For data integrity sourceOfVerification String? // <--
NEW: e.g., "World Bank API", "Human Expert"

// ... relations same as before }
```

model ProjectTender { /* ... same as before ... /} model Incentive { / ... same as before ... */ }

```
// ======================================================================
// == PART 4: THE ECOSYSTEM - PARTNERSHIPS, IMPACT & ENGAGEMENT //
// ======================================================================
```

model CommunityProject { /* ... same as before ... /} model VerifiedPartner { / ... same as before ... */ }

// --- NEW: User Engagement & Notifications --- model Introduction { id String @id @default(cuid()) createdAt DateTime @default(now()) status String // "PENDING_CONSENT", "INTRODUCED", "DECLINED"

// The two parties being introduced requestingOrgId String targetOrgId String }

model Notification { id String @id @default(cuid()) createdAt DateTime @default(now()) read Boolean @default(false)

message String url String? // Link to the relevant page (e.g., a new report)

userId String user User @relation(fields: [userId], references: [id]) }

```
// ======================================================================
// == PART 5: THE "NEXUS CORTEX"™ & BUSINESS INTELLIGENCE //
// ======================================================================
```

model UserFeedback { /* ... same as before ... /} model NexusCortexInsight { / ... same as before ... */ }

// --- NEW: Admin & Business Intelligence --- model AnalyticsEvent { id String @id @default(cuid()) createdAt DateTime @default(now()) eventName String // e.g., "USER_SIGNUP", "REPORT_PURCHASED", "SNAPSHOT_GENERATED"

userId String? metadata Json? // e.g., {"reportType": "TIER_1_AI", "price": 50000}}

```
// ======================================================================
// == BWGA NEXUS 7.0 - DEFINITIVE DATABASE SCHEMA (VERSION 8.0 - GLOBAL
STANDARD) //
// ======================================================================
```

generator client { provider = "prisma-client-js" }

```
datasource db { provider = "postgresql" url = env("DATABASE_URL") }
```

```
// ======================================================================
// == PART 1: CORE USER & ORGANIZATION MODELS //
// ======================================================================
```

model Account { /* ... same as before, for Next-Auth ... */ } model Session { / ... same as before, for Next-Auth ... */ } model VerificationToken { / ... same as before, for Next-Auth ... */ }

```
enum UserRole { MEMBER ADMIN PARTNER // For Nexus Verified Partners }
```

```
model User { id String @id @default(cuid()) name String? email String? @unique image String?
```

```
role UserRole @default(MEMBER) organizationId String? organization Organization? @relation(fields: [organizationId], references: [id])
```

```
// Relationships to other parts of the system accounts Account[] sessions Session[] reports Report[] quotes Quote[] payments Payment[] notifications Notification[] subscription Subscription? apiKey ApiKey? // For the Nexus Global API™ dealRoomMemberships DealRoomMember[] }
```

```
model Organization { id String @id @default(cuid()) name String type String // "COMPANY", "GOVERNMENT_AGENCY", "NGO", "INVESTMENT_FND" background String @db.Text country String
```

```
users User[] dealRooms DealRoomMember[] }
```

```
// ======================================================================
// == PART 2: PRODUCT & MONETIZATION ECOSYSTEM //
// ======================================================================
```

```
model StrategicProfile { /* ... same as before ... */ }
```

```
model Quote { /* ... same as before ... */ }
```

```
model Payment { /* ... same as before ... */ }
```

```
model Subscription { /* ... same as before ... */ }
```

// --- NEW: The Nexus Global API™ Key Management --- model ApiKey { id String @id @default(cuid()) key String @unique @default(cuid()) // The actual API key createdAt DateTime @default(now()) lastUsed DateTime? requests Int @default(0) enabled Boolean @default(true)

userId String @unique user User @relation(fields: [userId], references: [id]) }

model Report { id String @id @default(cuid()) createdAt DateTime @default(now())

userId String user User @relation(fields: [userId], references: [id]) strategicProfileId String @unique profile StrategicProfile @relation(fields: [strategicProfileId], references: [id])

reportType String // "AI_SNAPSHOT", "TIER_1_AI_HUMAN", etc. status String // "COMPLETED" downloadUrl String?

// AI-Generated Results urpIndexScore Float? riskScore Float? keyInsights Json

// Relationships communityProjects CommunityProject[] userFeedback UserFeedback? quote Quote? }

// ==
// == PART 3: THE GLOBAL DATA & OPPORTUNITY MESH //
// ==

model Region { /* ... same as before, with full JSON fields ... */ } model ProjectTender { / ... same as before ... / } model Incentive { / ... same as before ... */ }

// ==
// == PART 4: THE NEXUS MARKETPLACE & DEAL ROOM™ //
// ==

// The Nexus Verified Partner™ Network model VerifiedPartner { id String @id @default(cuid()) organizationName String serviceType String // "LEGAL", "ACCOUNTING", "LOGISTICS" regionId Int region Region @relation(fields: [regionId], references: [id])

// Link to bids they make on bounties bountyBids BountyBid[] }

// The Nexus Marketplace™ Bounties model OpportunityBounty { id String @id @default(cuid()) createdAt DateTime @default(now()) postedByOrgId String title String description String @db.Text rewardAmount Float status String // "OPEN", "IN_REVIEW", "AWARDED", "CLOSED"

```prisma
// Bids from Verified Partners bids BountyBid[] }

model BountyBid { id String @id @default(cuid()) createdAt DateTime @default(now())

bountyId String bounty OpportunityBounty @relation(fields: [bountyId], references: [id])

partnerId String partner VerifiedPartner @relation(fields: [partnerId], references: [id])

// The proposed solution/introduction submissionDetails String @db.Text status String // "SUBMITTED", "ACCEPTED", "REJECTED" }

// The Nexus Deal Room™ model DealRoom { id String @id @default(cuid()) createdAt DateTime @default(now()) name String // e.g., "Apex Manufacturing - Mindanao Expansion"

// The core entities involved members DealRoomMember[] documents DealDocument[] milestones DealMilestone[] }

model DealRoomMember { id String @id @default(cuid())

dealRoomId String dealRoom DealRoom @relation(fields: [dealRoomId], references: [id])

organizationId String organization Organization @relation(fields: [organizationId], references: [id])

userId String? // Can be linked to a specific user user User? @relation(fields: [userId], references: [id])

role String // "INVESTOR", "GOVERNMENT_PARTNER", "FACILITATOR" }

model DealDocument { id String @id @default(cuid()) dealRoomId String dealRoom DealRoom @relation(fields: [dealRoomId], references: [id])

name String url String // Secure storage URL version Int @default(1) status String? // "DRAFT", "SIGNED" }

model DealMilestone { id String @id @default(cuid()) dealRoomId String dealRoom DealRoom @relation(fields: [dealRoomId], references: [id])

name String dueDate DateTime? completed Boolean @default(false) }
```

```
// =========================================================================
// == PART 5: IMPACT-AS-AN-ASSET™ & COMMUNITY ECOSYSTEM //
// =========================================================================

// The core Community Project entity, now with measurable outcomes model
CommunityProject { id String @id @default(cuid()) name String description String @db.Text
regionName String fundingAmount Float

reportId String report Report @relation(fields: [reportId], references: [id])

// --- NEW: For Impact-as-an-Asset --- impactBondId String? impactBond ImpactBond?
@relation(fields: [impactBondId], references: [id])

// Measurable KPIs to determine bond performance kpiMetrics Json? // e.g.,
{"literacy_rate_increase": 0.15, "jobs_created": 150} }

// The financial instrument for social impact model ImpactBond { id String @id
@default(cuid()) name String totalValue BigInt yieldStructure Json // Defines how KPI
achievement affects returns

projects CommunityProject[] }

// =========================================================================
// == PART 6: THE NEXUS CORTEX™ (SELF-LEARNING & ADMIN) //
// =========================================================================
model UserFeedback { /* ... same as before ... */ } model NexusCortexInsight { / ... same as
before ... / } model AnalyticsEvent { / ... same as before ... / } model Notification { / ... same
as before ... */ }

// FILE: prisma/seed.ts // This file contains the foundational data to populate the BWGA
Nexus database.

// =========================================================================
// == PART 1: GLOBAL REGIONAL TAXONOMY //
// =========================================================================

// NOTE: This is a highly abbreviated example. A real seed file would contain // all 200+
countries and their primary administrative divisions.

export const regions = [ // Continents (Level 1) { id: 1, name: 'Asia', type: 'CONTINENT',
parentId: null }, { id: 2, name: 'North America', type: 'CONTINENT', parentId: null },
```

```
// Sub-Regions (Level 2) { id: 10, name: 'Southeast Asia', type: 'SUB_REGION', parentId: 1 },
{ id: 20, name: 'North America', type: 'SUB_REGION', parentId: 2 },

// Countries (Level 3) { id: 101, name: 'Philippines', type: 'COUNTRY', countryCode: 'PH',
parentId: 10 }, { id: 102, name: 'Vietnam', type: 'COUNTRY', countryCode: 'VN', parentId:
10 }, { id: 103, name: 'Australia', type: 'COUNTRY', countryCode: 'AU', parentId: null }, //
Example of country not in a sub-region { id: 201, name: 'United States', type: 'COUNTRY',
countryCode: 'US', parentId: 20 },

// Provinces/States (Level 4) { id: 10101, name: 'Cebu', type: 'PROVINCE', parentId: 101 },
{ id: 10102, name: 'Davao del Sur', type: 'PROVINCE', parentId: 101 }, { id: 20101, name:
'California', type: 'STATE', parentId: 201 }, ];

// =================================================================
// == PART 2: UNIVERSAL INDUSTRY TAXONOMY (GICS Based) //
=================================================================

export const industries = [ { id: 1, name: 'Information Technology', sector: 'Technology' },
{ id: 2, name: 'Healthcare', sector: 'Healthcare' }, { id: 3, name: 'Financials', sector:
'Financials' }, { id: 4, name: 'Industrials', sector: 'Industrials' }, { id: 5, name: 'Energy', sector:
'Energy' }, { id: 6, name: 'Materials', sector: 'Materials' }, { id: 7, name: 'Agriculture', sector:
'Consumer Staples' }, { id: 8, name: 'Real Estate', sector: 'Real Estate' }, { id: 9, name:
'Utilities', sector: 'Utilities' }, { id: 10, name: 'Consumer Discretionary', sector: 'Consumer
Discretionary' }, ];

// =================================================================
// == PART 3: "NEXUS DIALOGUE"™ QUESTION & OPTION FRAMEWORK //
=================================================================

// This data powers the interactive questionnaire.

export const dialogueOptions = { companyObjectives: [ { value: 'EXPAND_MARKETS', label:
'Expand into New Markets' }, { value: 'OPTIMIZE_SUPPLY_CHAIN', label: 'Optimize Supply
Chain (Lower Cost/Risk)' }, { value: 'SOURCE_RESOURCES', label: 'Source Raw Materials or
Resources' }, { value: 'ACCESS_TALENT', label: 'Access Specialized Talent' }, { value:
'IMPACT_INVESTMENT', label: 'Impact-Focused Investment (ESG)' }, ],
governmentObjectives: [ { value: 'ATTRACT_FDI', label: 'Attract Foreign Direct Investment' },
{ value: 'CREATE_JOBS', label: 'Create High-Quality Jobs' }, { value: 'GROW_EXPORTS',
label: 'Grow Export Volume' }, { value: 'MODERNIZE_SECTOR', label: 'Modernize a Key
Sector' }, ], operationalNeeds: [ { value: 'LOGISTICS_SEAPORT', label: 'High-Capacity
```

```javascript
Seaport' }, { value: 'LOGISTICS_AIRPORT', label: 'International Cargo Airport' }, { value:
'INFRA_ENERGY_GRID', label: 'High-Uptime Energy Grid (>99.9%)' }, { value:
'INFRA_INTERNET', label: 'High-Speed Fiber Internet' }, { value: 'WORKFORCE_ENGLISH',
label: 'High English Proficiency' }, { value: 'WORKFORCE_TECH', label: 'Skilled
Technical/Vocational Workforce' }, { value: 'MARKET_HALAL', label: 'Access to Halal-
Certified Markets' }, ], governmentSupport: [ { value: 'FINANCIAL_TAX_HOLIDAY', label: 'Tax
Holidays', department: 'Finance' }, { value: 'FINANCIAL_GRANTS', label: 'Direct Investment
Grants', department: 'Finance' }, { value: 'REGULATORY_SEZ', label: 'Special Economic
Zone (SEZ) Status', department: 'Trade' }, { value: 'REGULATORY_STREAMLINE', label:
'Streamlined Business Registration', department: 'Trade' }, { value: 'LAND_ACCESS', label:
'Access to Government-Owned Land', department: 'Public Works' }, { value:
'LABOR_TRAINING', label: 'Government-Sponsored Skills Training', department:
'Labor' }, ], };

// =======================================================================
// == PART 4: EXAMPLE DATA FOR LIVE TENDERS & INCENTIVES // == This makes the
dashboard feel alive with real opportunities. //
=======================================================================

export const exampleTenders = [ { title: 'Mindanao Railway Project - Phase 2 (Engineering)',
description: 'Seeking engineering, procurement, and construction partners for Phase 2 of
the Mindanao Railway.', source: 'World Bank Projects', value: 5500000000, // 5.5 Billion
status: 'OPEN', url: 'https://projects.worldbank.org/en/projects-operations/project-
detail/P172424', regionId: 101, // Philippines }, { title: 'Da Nang Port Expansion - Logistics &
Tech Integration', description: 'Call for tenders for technology partners to integrate a new
Terminal Operating System (TOS) for the expanded port.', source: 'Asian Development
Bank', value: 85000000, // 85 Million status: 'OPEN', url:
'https://www.adb.org/projects/documents/vie-53423-001-tacr', regionId: 102, //
Vietnam }, ];

export const exampleIncentives = [ { name: 'Philippine CREATE Act - Tier II', type:
'TAX_HOLIDAY', description: 'Provides up to 6 years of Income Tax Holiday (ITH) followed
by 5 years of enhanced deductions for export-oriented enterprises in priority sectors.',
regionId: 101, // Philippines }, { name: 'Vietnam High-Tech Business Incentive', type:
'TAX_HOLIDAY', description: 'A preferential corporate income tax rate of 10% for 15 years,
including 4 years of tax exemption and a 50% reduction for the subsequent 9 years.',
regionId: 102, // Vietnam }, ];
```

```
// ====================================================================
// == PART 5: THE NEXUS VERIFIED PARTNER™ NETWORK // == This populates your
marketplace from day one. //
// ====================================================================

export const verifiedPartners = [ { organizationName: 'Sycip Gorres Velayo & Co. (SGV)',
serviceType: 'LEGAL_ACCOUNTING', regionId: 101, // Philippines }, { organizationName:
'Tilleke & Gibbins', serviceType: 'LEGAL', regionId: 102, // Vietnam }, { organizationName:
'KPMG Australia', serviceType: 'ACCOUNTING', regionId: 103, // Australia }, ];
```