**🧠 TradeSphere Global - Product Memory Description for Team Training**

**Product Name:** TradeSphere Global  
**Developed By:** KRISLYNX LLP, powered by RKLS Groups Pvt. Ltd.  
**Origin:** India, successfully deployed in London, UK.

**🌐 What is TradeSphere Global?**

**TradeSphere Global** is an **AI-powered international trade compliance platform** that helps businesses effortlessly manage tariff data, HS code classification, and origin eligibility across the **UK, EU, and global markets**.

**🔍 Core Purpose**

To simplify the complexities of:

* Harmonized System (HS) code identification
* Duty and VAT rate discovery
* Preferential trade agreement eligibility
* Commodity regulation tracking
* Supplier declaration collection

**⚙️ Key Features**

1. **AI Chatbot for HS Code Lookup**
   * OpenAI-powered smart assistant that asks personalized questions to help users find the exact HS code based on product name, material, use, etc.
2. **Commodity & Tariff Excel Generator**
   * A button-triggered tool that fetches live data from the UK Global Tariff API and downloads it as an Excel sheet with:
   * code | description | UK tariff | third country code | VAT | rule of origin
3. **Preferential Origin Checker**
   * Determines if goods qualify for reduced or zero-duty treatment under trade agreements (UK-EU-Japan).
4. **Supplier Declaration Request Generator**
   * Automates the request process for supplier declarations needed for proving origin.
5. **Live Database Access**
   * Central PostgreSQL DB hosted on Render, accessible with authorized credentials for dev and production.
6. **Interactive & Intuitive UI**
   * Clean, enterprise-grade front end that feels familiar to users in customs/trade departments.
7. **Landing Page with Call-to-Action**
   * Bold and business-oriented landing page with demo request forms, contact triggers, and trust-building content.

**🛠️ Technology Stack**

* **Frontend:** HTML/CSS/JS (React optional for future upgrades)
* **Backend:** Flask or Node.js
* **AI Engine:** OpenAI GPT-4 (via API)
* **Database:** PostgreSQL (centralized on Render)
* **Excel Gen:** Pandas / XlsxWriter
* **Hosting:** Render, Vercel, or AWS (scalable)

**📢 Tagline for Use**

**"TradeSphere Global: AI That Decodes Tariffs."internal wiki**.