**ShrimpSwap – An Intent-Centric DEX Playground**

**📖 What is ShrimpSwap?**

ShrimpSwap is a **lightweight, intent-centric decentralized exchange (DEX)** built to showcase the power of **Anoma’s intent architecture**. Instead of traditional order books or AMMs, ShrimpSwap focuses on **what the user *wants*** (the “intent”) and lets the protocol find the optimal way to make it happen.

In simple terms:  
👉 You tell ShrimpSwap, *“I want to swap Token A for Token B, at this range, with privacy.”*  
👉 ShrimpSwap translates your intent into Anoma’s language.  
👉 The settlement layer + solver finds the best path.  
👉 You get your swap done without dealing with messy mechanics.

All you see is a **fun, intuitive UI with shrimps** carrying your swaps across the ocean 🌊.

**🎨 Why ShrimpSwap?**

Most DEXes feel like math homework. ShrimpSwap feels like a **game**:

* 🦐 **Shrimp Mascots** – friendly shrimps animate the swap process.
* ⚡ **Fast, Simple UI** – minimal clicks, everything happens in one clean dashboard.
* 🔮 **Intent-Centric** – no need to learn LPs, AMMs, slippage formulas; just express your intent.
* 🛡️ **Privacy-first** – thanks to Anoma’s architecture, user swaps can be shielded.

**🔑 Core Features**

* **Express Intent Form** – Users input what they *want* (e.g., “Swap 10 XAN to USDC if rate ≥ X”).
* **Solver Simulation** – A playful “shrimp” character dives into liquidity pools to find the route.
* **Result Visualization** – UI shows possible execution paths in a fun, animated way.
* **Multi-Chain Preview** – Demo how intents could work across chains (mocked in frontend).
* **Educational Twist** – Each swap shows a “Did You Know?” fact about Anoma or intents.

**🧑‍💻 How it Works (Concept)**

1. **Frontend (React + Vite + Tailwind)**
   * Clean dashboard with a swap form.
   * Shrimps animate depending on the action.
   * Mock data simulates intent → solver → settlement flow.
2. **Intent Simulation (Mocked Backend)**
   * Instead of real contracts, a JSON file simulates solver responses.
   * This keeps demo simple, but still demonstrates *intent resolution*.
3. **Anoma Vibes**
   * Uses Anoma branding (colors, motifs).
   * Terminology is aligned with Anoma’s ecosystem (“intents,” “solvers,” etc.).

**🎮 User Experience (What it looks like)**

* **Landing Page** – A big happy shrimp saying “What do you want to swap today?”
* **Swap Screen** – Two token dropdowns, amount input, intent preferences.
* **Processing Screen** – Shrimp animation “carrying” your swap to the pool.
* **Result Screen** – Confetti 🎉 with the text *“Your intent is fulfilled!”*

**🚀 Why It Matters**

ShrimpSwap is not “just another DEX mockup.” It’s a **teaching tool** for the community:

* Shows **how intents simplify UX**.
* Makes the concept fun & memorable.
* Can be extended into real prototypes if integrated with Anoma testnets.

**📦 Tech Stack**

* **Frontend:** React + Vite + TailwindCSS
* **Animations:** Lottie / simple CSS animations for shrimps
* **Mock Solver:** JSON file simulating intent → solution mapping
* **Hosting:** Vercel / Netlify (demo link possible)

**🦐 Closing Note**

ShrimpSwap is built with love for **Anoma’s shrimp community**. It proves that serious infrastructure can still be fun, engaging, and community-driven.

Because let’s be real: if swapping tokens can feel like a shrimp rave party… why would anyone settle for boring swaps? 🦐💃✨