**Synergy Network**

**Master Development Checklist**

1. **⚠️ Phase 1: Planning & Foundation**
   1. **⚠️ Tasks**

1.1.1 ⚠️ (req. external simulation logs) Write PoSy simulation summary from logs

1.1.2 ✅ (loc. 1.2.1) Write Business Model content

1.1.3 ✅ (loc 1.2.2) Finalize Tokenomics logic and charts

1.1.4 ✅ (loc. 1.2.3, 1.2.4) Define DAO Roles and Flow

1.1.5 ✅ (loc. 1.2.4) Build DAO Constitution ruleset

1.1.6 ✅ (loc. 1.2.5) Draft Legal Disclaimer

1.1.7 ✅ (loc. 1.2.6) Outline Regulatory Guide (GDPR, AML, SEC)

1.1.8 ✅ (loc. 1.2.7) Conduct Security Threat Analysis

1.1.9 ✅ (loc. 1.2.8) Write Emergency Rollback scenarios

1.1.10 ✅ (loc. 1.2.9) Build Address Formatting model

1.1.11 ✅ (loc. 1.2.9) Implement UMA prototype (HD derivation + verifier)

1.2 ✅ Deliverables

1.2.1 ✅ Business Model Document

1.2.2 ✅ Tokenomics Whitepaper

1.2.3 ✅ Governance Organizational Chart

1.2.4 ✅ DAO Constitution

1.2.5 ✅ Legal Disclaimer

1.2.6 ✅ Regulatory Compliance Guide

1.2.7 ✅ Security Risk Assessment Report

1.2.8 ✅ Emergency Governance Rollback Policy

1.2.9 ✅ UMA System Prototype

1.2.10 ✅ Synergy Naming System Architecture + CLI/GUI Integration Task Plan

1. ⚠️**Phase 2: Core Development**

2.1 ⭕️ **Tasks**

2.1.1 ⭕️ Write Network Architecture Specification

2.1.2 ⭕️ Integrate PoSy contracts + validator clustering algorithm

2.1.3 ✅ (loc. Ledger Format and State Logic Specification) Document Ledger Format and State Logic

2.1.4 ⭕️ Write Quantum-Safe Cryptography Explainer

2.1.5 ⭕️ Polish and confirm SYN Token contract

2.1.6 ⭕️ Create ICO Plan and Vesting Tiers Table

2.1.7 ✅ (loc. 2.2.7) Finalize SDK Documentation (JS + Python)

2.1.8 ✅ (loc. 2.2.8) Build Wallet User Guide

2.2 ⚠️ **Deliverables**

2.2.1 ⭕️ Network Architecture Specification (Overview + Layered Design)

2.2.1.1 ⭕️ Synergy Testnet Deployment Documentation

2.2.1.2 ⭕️ Synergy Mainnet Deployment Documentation

2.2.2 ⚠️(req. 2.1.2) PoSy Consensus Algorithm (Spec + Contracts)

2.2.3 ⚠️(req. 2.1.3) Ledger Data Model

2.2.4 ⚠️(req. 2.1.4) Quantum-Safe Cryptography Integration Guide

2.2.5 ✅ SYN Token Smart Contract

2.2.6 ⭕️ ICO Strategy Document

2.2.7 ✅ Developer SDK Documentation

2.2.8 ✅ Union Wallet User Guide

2.3 ⭕️ **Smart Contract Implementation**

2.3.1 ⭕️ Governance Contract

2.3.2 ✅ (loc. 2.2.5) SYN Token Contract

2.3.3 ⭕️ Presale Contract

2.3.4 ⭕️ Universal Atomic Swap Contract

2.3.5 ⭕️ Liquidity Pool Contract

2.3.6 ⭕️ Staking Contract

2.3.7 ⚠️(req. 2.1.2)(loc. 2.2.2) PoSy Consensus Contract

2.3.8 ⭕️ (loc. 3.2.7) Synergy Naming System Contract

2.3.9 ⭕️ Bridge/Relay Contract (for cross-chain Synergy ↔ ETH/SOL/BTC)

2.3.10 ⭕️ Task Market Smart Contract (bounties, claims, dispute resolution)

2.3.11 ⭕️ Faucet Contract (testnet token distribution, rate limiting)

2.3.12 ⭕️ DAO Treasury Contract (holds SYN, proposal-linked transfers)

1. ⚠️ Phase 3: Network & Portal Infrastructure

3.1 ⚠️ Tasks

3.1.1 ⭕️ Deploy Synergy Testnet (validators, endpoints, faucet) 3.1.2 ⭕️ Build Synergy Testnet Explorer (UI + blockchain hooks) 3.1.3 ⭕️ Build Synergy Mainnet Explorer (theme + data sources) 3.1.4 ⭕️ Implement Network Selector Component 3.1.5 ⭕️ Build Synergy Portal skeleton (navigation, content, layout) 3.1.6 ⭕️ Implement Gas Station for testnet (wallet connect + faucet) 3.1.7 ⭕️ Build DAO Interface on Portal (proposals, voting) 3.1.8 ⭕️ Build ICO / Pre-Sale Interface (on-chain payments + vesting) 3.1.9 ⭕️ Build CLI version of Synergy Utility Tool (wallet, name system, transactions) 3.1.10 ⚠️(req. 3.2.6, 3.2.7) Build GUI version of Synergy Utility Tool (wallet, name system, tokens) 3.1.11 ⭕️ Implement cross-tool wallet/token/name sync 3.1.12 ⭕️ Build Synergy Naming System (register, resolve, query)

3.2 ⭕️ Deliverables

3.2.1 ⭕️ Synergy Testnet Infrastructure (nodes, faucet, explorer, endpoints) 3.2.2 ⭕️ Synergy Portal (DAO, ICO, faucet, staking, documentation) 3.2.3 ⭕️ Synergy Explorer (testnet + mainnet support) 3.2.4 ⭕️ Network Selector Component 3.2.5 ⭕️ Synergy Utility Tool – CLI 3.2.6 ⭕️ Synergy Utility Tool – GUI 3.2.7 ⭕️ Synergy Naming System Smart Contract + UI

1. ⚠️ Phase 4: Testing & Validation

4.1 ⭕️ Tasks

4.1.1 ✅ (loc. 4.2.1) Write Testnet Deployment Guide 4.1.2 ⭕️ Deploy and document Faucet Smart Contract 4.1.3 ⭕️ Gather Audit Logs and Security Reports 4.1.4 ⭕️ Simulate and Document Sybil Attacks 4.1.5 ⭕️ Benchmark Network with Stress Tests 4.1.6 ✅ (loc. 4.2.6) Test and Write Unit Tests for Smart Contracts 4.1.7 ⭕️ Simulate Voting Cycles + Governance Reports 4.1.8 ⭕️ Collect UI/UX Testing Feedback 4.1.9 ✅ (loc. 4.2.9) Finalize API Reference

4.2 ⚠️ Deliverables

4.2.1 ✅ Testnet Deployment Guide 4.2.2 ⚠️(req. 3.1.6, 3.2.1) Faucet Contract + Web UI 4.2.3 ⚠️(req. 4.1.3) Security Audit Logs 4.2.4 ⚠️(req. 4.1.4) Sybil Attack Simulation Report 4.2.5 ⚠️(req. 4.1.5) Load Benchmark Reports 4.2.6 ✅ Smart Contract Unit Tests 4.2.7 ⚠️(req. 4.1.7) Governance Voting Test Reports 4.2.8 ⚠️(req. 4.1.8) UI/UX Feedback Reports 4.2.9 ✅ Finalized API Documentation

1. ⚠️ Phase 5: Mainnet Launch & Adoption

5.1 ⭕️ Tasks

5.1.1 ⭕️ Write Mainnet Launch Guide 5.1.2 ⭕️ Draft Token Migration Instructions 5.1.3 ⭕️ Summarize Validator & Staking Rewards 5.1.4 ✅ (loc. 5.2.4) Finalize DAO Contract Review 5.1.5 ⭕️ Merge Operator Instructions for Cross-Chain Bridges 5.1.6 ⭕️ Compose Enterprise Integration Guide

5.2 ⚠️ Deliverables

5.2.1 ⚠️(req. 3.1.1, 4.2.1) Mainnet Deployment Guide 5.2.2 ⚠️(req. 5.1.2) Token Migration Documentation 5.2.3 ⚠️(req. 5.1.3) Staking Incentives Guide 5.2.4 ✅ Governance Smart Contracts 5.2.5 ⭕️ Bridge Node Operator Manual 5.2.6 ⭕️ Enterprise Integration Guide

1. ⚠️ Phase 6: Ecosystem Growth

6.1 ⭕️ Tasks

6.1.1 ⭕️ Draft uDEX Documentation 6.1.2 ⭕️ Finalize Liquidity Pool Deployment Scripts 6.1.3 ⭕️ Merge Cross-Chain Swap Logic 6.1.4 ⭕️ Document Task Market Deployment 6.1.5 ⭕️ Write Growth Strategy for Devs & Users 6.1.6 ✅ (loc. 6.2.6) Review DAO Grant Allocation Workflows 6.1.7 ⭕️ Design Continuous Audit Flow 6.1.8 ⭕️ Write Use Case Report (from field data) 6.1.9 ⭕️ Create Five-Year Network Upgrade Plan

6.2 ⚠️ Deliverables

6.2.1 ⭕️ uDEX Smart Contract Documentation 6.2.2 ⭕️ Liquidity Pool Launch Guide 6.2.3 ⚠️(req. 6.1.3) Cross-Chain Swap System Specification 6.2.4 ⭕️ Task Market Smart Contract Documentation 6.2.5 ⭕️ Community Growth Strategy Document 6.2.6 ✅ DAO Grant Allocation Framework 6.2.7 ⭕️ Continuous Audit Pipeline Plan 6.2.8 ⭕️ Enterprise Use Case Reports 6.2.9 ⭕️ Long-Term Upgrade Roadmap