**Project Name:** RuleGuard

**Core Concept:**  
A trading discipline + psychology app that combines:

1. **RuleGuard AI** – checks trades against user’s rules.
2. **50 Bottles Gamification** – customizable progress objects (beer, wine, donut, diamond, trophy).
3. **Compounding Growth Tracker** – shows exponential growth with completions.
4. **Journaling + Reports** – captures behavior, discipline, and insights.

**Features**

**🔑 Onboarding**

* Ask user for:
  + Starting portfolio (default $100 can be customizable).
  + Target number of completions (default 50).
  + % growth per completion (default 1% can be customizable).
  + Risk rules (ex: -2% max loss, 3 trades/day).
  + Preferred object (🍺 beer, 🍷 wine, 🍩 donut, 💎 diamond, 🏆 trophy).
* Store user settings in **Postgres**.

**⚖️ RuleGuard (Core AI Enforcement)**

* User logs each trade (entry, exit, size, % gain/loss, notes).
* AI checks against stored rules:
  + If ✅ → trade is valid.
  + If ❌ → flagged as “rule broken” (no bottle earned).
* Rules can be edited later.

**🍺 Progress System**

* Visual wall of objects (50 by default).
* Each valid completion = 1 object removed.
* Compounding chart updates automatically (portfolio growth shown).
* If rules broken → “object spilled” animation, doesn’t count.

**📓 Journaling**

* **Per Trade Journal**: Log setup, emotions, notes.
* **Daily Journal Prompt**: “Did you follow rules today? Lessons learned?”
* AI detects emotional trends (FOMO, fear, revenge trading).

**📊 Reports**

* **Weekly Report**:
  + Trades taken
  + Rule violations vs. clean trades
  + Win rate / risk ratio
  + Completions earned
  + AI summary of discipline
* **Monthly Report**:
  + Portfolio growth %
  + Bottles completed
  + Discipline score (% rule-following)
  + Emotional trend analysis
* **Challenge Completion Report (50 Bottles)**:
  + Start → End portfolio value
  + Compounding chart of 50 completions
  + Total rule violations vs. completions
  + Exportable PDF/social share card

**📲 Social Sharing**

* After each completion, auto-generate share card:
  + “🍺 Cracked Bottle #7 — 43 left on the wall. Portfolio: $1.2M → $24M target.”
* Customizable with user’s chosen object (wine, donut, diamond, etc.).

**🛠 Tech Stack (Windsurf Spec)**

* **Frontend:** React + Tailwind
* **Backend:** Node.js + Express
* **Database:** Postgres
* **AI:** OpenAI integration for RuleGuard checks + journaling insights
* **Charts:** Recharts for compounding growth visualization
* **Auth:** Email/social login
* **Exports:** PDF (reports), PNG (share cards)

⚡ **Final Output of MVP:**

* Traders set rules + growth targets.
* AI enforces discipline (RuleGuard).
* Visual 50 Bottles (or custom objects) gamify progress.
* Journaling + reports provide accountability.
* Social sharing makes it viral + sticky.

UI FLOW backbone dialed in:

* **RuleGuard core (rules + discipline system)**
* **Gamified tracker (beer/wine/donut/diamond tokens)**
* **Customizable targets (default: 50 completions at 8%)**
* **Compounding growth chart (crypto + fiat)**
* **Journal + auto-report**
* **Social share + brag rights**

**Wireframe Layout**

## ****1. Home Dashboard****

* **Header:** Logo + user profile
* **Main Tracker (center):**
  + Current progress bar (e.g., “12 / 50 completions”)
  + Big visual of chosen reward token (🍺 beer, 🍷 wine, 🍩 donut, 💎 diamond)
  + % progress (e.g., 24%)
* **Compounding Growth Chart (below):**
  + Interactive chart: shows simulated growth (default: 8% compounding)
  + Toggle: Fiat ($5k → $500k) or Crypto (BTC, ETH, SOL)
* **Quick Actions (right side):**
  + Add Completion ✅
  + Open Journal 📓
  + Share Progress 📤

## ****2. Rules & Discipline (RuleGuard Core)****

* **Your Rules (editable):**
  + List of custom rules the user has set (e.g., “Wake up before 7AM,” “No junk food,” “Work out 30 min”).
  + Status toggle: Active / Paused
* **Rule Setup:**
  + Add new rule + define success criteria
  + Option to **lock rules** behind a “special token” (if you want scarcity / accountability)
* **Discipline Score:**
  + % rating based on consistency (e.g., “You’ve kept 4/5 rules this week = 80% discipline”).

## ****3. Journal & Reports****

* **Daily Journal:**
  + Text/voice input → reflections, notes, struggles, wins
* **Weekly Report (auto-generated):**

# of completions

* + Rules kept vs. broken
  + Growth chart snapshot
  + Discipline score trend
  + Optional PDF/email export

## ****4. Social Sharing****

* **One-click Share:**
  + Share progress token count (e.g., “🥂 25/50 Wine Rings Achieved!”)
  + Share chart snapshot
* **Leaderboard (optional future):**
  + Compare streaks with friends or global community
  + Filter by token type (Beer people vs Diamond people 🍺💎).

✨ Flow Example:

1. User completes a task → clicks **Add Completion**.
2. One token (beer/wine/etc.) is added.
3. Progress bar + chart update.
4. Auto-log to journal (“Completion #12 recorded”).
5. Weekly → auto-report generates with all data + discipline score.

**Full User Journey**

# 🚀 RuleGuard User Journey

### ****Step 1: Onboarding — Set Your Rules****

* User lands on onboarding screen.
* Prompt: “Enter your trading rules & discipline checklist.”
  + Example: Never risk more than 2% per trade
  + Example: Only enter setups with 2:1 RR or better
* Rules are stored in their profile (editable anytime).
* Option: lock rules with a **token lock** so they can’t change mid-journey.

### ****Step 2: Choose Your Token Style****

* User picks their “completion token”:
  + 🍺 Beer mug
  + 🍷 Wine glass
  + 🍩 Donut
  + 💎 Diamond
* Default: **50 completions at 8%** growth target.
* User can customize completions (e.g., 25, 100) and % per completion (e.g., 5%, 10%).

### ****Step 3: Dashboard & Progress Tracking****

* Dashboard shows:
  + **Progress bar** (e.g., 12/50 completions).
  + **Compounding growth chart** (starting balance → projected balance).
  + **Next Target** (e.g., $400 profit from $5k account).
* Completion action: “Take down a token 🍺” after hitting goal.

### ****Step 4: Journaling & Discipline Tracking****

* After logging a completion, RuleGuard asks:
  + Did you follow your rules? ✅❌
  + Notes box: Add trade reflection (why it worked / didn’t).
* Daily log auto-saves to **journal**.
* AI generates a **discipline score** (e.g., 85%) based on consistency.

### ****Step 5: Reports & Insights****

* Weekly auto-report generated:
  + Total completions
  + Rule adherence rate
  + Best/worst setups
  + P&L growth vs projection
* Exportable as PDF/email.

### ****Step 6: Social Sharing & Fun****

* Share button: snapshot of progress → “I just cracked 🍺 #12/50 on RuleGuard — compounding to $24M 🚀”
* Optional: Global leaderboard (ranked by completions or consistency).
* Community element: friends/groups can cheer each other on.

⚡ This flow keeps the **discipline-first structure** but wraps it in a **fun, gamified system** so consistency feels like progress toward a collectible milestone.