

Tradeview — Master Log

Project slug: SV

Current cycle: C01

Started: 2026-01-03

This log is the running version history. Append new entries to the end. Each entry ID uses: SV-<CYCLE>-<YYYYMMDD>-<NNN>.

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SV-C01-20260103-001 — Log initialized

Type: Docs

Context: Establish master log + indexing standard

Change summary: Created initial Master_Log.md scaffold and PDF styling/build scripts

Rationale / tradeoffs: Markdown source enables consistent PDF rendering + easy diffing

Files touched: docs/master_log/*, scripts/build_master_log.*

Commands run: N/A

Verification: N/A

Notes: Install Node + md-to-pdf (or choose another renderer) to build PDF

Concepts: @concept:master-log @concept:indexing-standard

SV-C01-20260106-001 — Watchlist sigma metrics + portfolio analytics

Type: Feature

Context: Improve usability + demo polish for portfolio/social sharing

Change summary: Added watchlist snapshot tables (compact/detailed) with 52-week range and sigma-distance metrics; added portfolio analytics (equity curve vs SPY, drawdown, allocation, basic risk stats); improved handling of missing quotes so holdings don't show misleading \$0 pricing.

Rationale / tradeoffs: Kept changes lightweight and resilient by reusing existing cached provider functions (Yahoo/Stooq) and keeping calculations in small helpers. Equity curve is an approximation using daily Close data and end-of-day positions, which is "demo-grade" but credible for showcasing data/UX patterns.

Files touched: app.py, README.md, docs/master_log/Master_Log.md, docs/master_log/Master_Log.pdf

Commands run: python -m compileall .; powershell -ExecutionPolicy Bypass -File scripts/build_master_log.ps1

Verification: Navigated Dashboard/Markets/Portfolio; verified watchlist metrics render with partial symbol failures; verified portfolio analytics render with at least one holding and compares vs SPY when data available.

Notes: Sigma distance uses ($\sigma_{\text{usd},252} = \text{Last} \times \text{stdev}(\text{daily pct returns}, 252 \text{ sessions})$); daily

Close-based analytics may differ from real broker marks/fills.



Concepts: @concept:watchlist-metrics @concept:portfolio-analytics @concept:market-data-cache

SV-C01-20260106-002 — Rebrand to Tradeview + UI polish

Type: Feature / Refactor

Context: Preparing app for social media portfolio showcase; user requested rebrand, responsive improvements, and reduced chart flicker

Change summary:

- Renamed app from "Cashbook Lite" to "Tradeview" (page title, sidebar, hero, README)
- Added Volume and Avg Vol (20D) columns to watchlist snapshot
- Improved watchlist table responsive scaling (CSS width rules)
- Reduced chart flicker: increased refresh interval to 3s, pre-allocated chart container height, added skeleton placeholder CSS
- Added color-coded returns ( /  emoji indicators) and P&L formatting
- Added CSS media queries for tablet/mobile breakpoints
- Added fade-in animations for hero, metrics cards, symbol banner, and chart block

Rationale / tradeoffs: Used emoji indicators for color-coding since `st.dataframe` doesn't support HTML in cells; 3s refresh interval balances "live feel" with reduced layout shift; animations are subtle (0.4-0.5s) to avoid feeling sluggish

Files touched: `app.py`, `README.md`, `docs/master_log/Master_Log.md`, `docs/master_log/Master_Log.pdf`

Commands run: `streamlit run app.py`

Verification: App boots; branding shows "Tradeview"; watchlist includes Volume; chart container doesn't collapse during refresh; animations play on page load

Notes: True incremental chart updates (WebSocket-style) not possible in vanilla Streamlit; mitigations reduce perceived flicker significantly

Concepts: @concept:ui-polish @concept:responsive-design @concept:animations

SV-C01-20260106-003 — Sigma Slice Analysis Tool

Type: Feature

Context: User requested flexible sigma analysis tool that allows arbitrary time range selection instead of fixed 52-week window

Change summary:

- Added intraday data support (1m, 5m, 15m, 1h intervals) with appropriate caching (10s TTL vs 20s for daily)
- Implemented `compute_slice_sigma_metrics()` for arbitrary time range sigma calculations
- Added dual-handle range slider on Markets page for selecting analysis window
- Added stats panel showing slice mean, std dev, high/low, and current price's sigma distance
- Added visual shading on chart (Plotly vrect) for selected slice region
- Added collapsible "Key Levels" panel showing day/week/52-week highs, lows, and volume
- Added edge case handling: empty slice warnings, intraday data limit warnings, $>3\sigma$ alerts

Rationale / tradeoffs:

- Used Streamlit's native `st.slider` with 2 values for range selection (simpler than custom Plotly drag-lines)
- Slider operates on bar indices (not timestamps) for simplicity across all intervals
- Intraday data has Yahoo limits (1m: ~7d, 5m/15m: ~60d, 1h: ~730d) - UI warns users

- Stats panel placed alongside chart for easy comparison

Files touched: app.py, README.md, docs/master_log/Master_Log.md,
docs/master_log/Master_Log.pdf

Commands run: streamlit run app.py

Verification:

- App boots without errors
- Range slider appears below chart on Markets page
- Selecting a range shades that region on the chart
- Stats panel updates with sigma metrics for selected range
- Intraday intervals (1m, 5m, 15m, 1h) fetch correctly
- Key Levels panel shows day/week/52w highs and lows
- Edge cases handled (empty slice, insufficient data)

Notes: Sigma calculations use price std dev (not returns std dev) for the slice, making it directly comparable to price distances. For returns-based volatility, see the 52-week metrics in the watchlist.

Concepts: @concept:sigma-slice @concept:intraday-data @concept:volatility-analysis