TradeX-chart

- AROON
- BB
- EMA
- RSI
- SMA
  - Indicators

Axes

- X
  - Overview slider
  - Jump End Start icons on Timeline
  - Drag to resize
- Y
  - Log scale
  - Drag to manual scale
    - smooth drag response
  - Stream Candle count down
- Convert to Graph overlays
- Overlays

Performance

- Rendering
  - OffscreenCanvas
  - Generic Chart (for equity ect.)
  - Minimize reflow
  - zoom out max range too short?
  - fix resize update fail (MainPane?)
  - Fix chart loses render on stream start
  - Candle widths and gaps
  - mustUpdate()
  - Panes / views
    - delete
    - move
    - collapse
    - max
    - restore
    - config
- UX / Interaction
  - chart pan must end with same candle under cursor
  - chart zoom on pointer position - option
  - mulit-touch device support
  - Pixel perfect hit detection
  - Legends must not block chart pointer updates

API

- Legends
  - Config options
  - API to modify legends
- Config Dialogue
  - Submit override callback
  - Form elements onChange evt. callback
- Data
  - Extensibility
    - Custom validation
    - Custom merge, delete
  - Themes
    - Hot swapping of themes - multi-theme support
    - modify sepcific theme entries
  - Data State
    - Merge
      - Trades
      - Indicators
    - Hot swapping of Data State
    - Export Data State
    - Merging of new price history
    - End of history event trigger (load more data)

Indicators

- Volume as indicator
- Custom Indicator API
  - add
  - delete
  - move
  - view / hide
  - settings
- Implement all (?) TALib
- Fallback no WASM - TechnicalIndicators
- Default colours
  - cycle through defaults
- Generate back history
  - Generate only missing data

Overlays

- Custom Overlays API
  - move
  - hide
  - settings
  - add
  - delete
- Orders
- Annotations
- Watermark
  - image
  - text
- Secondary Price Charts
- Heat Maps
- Trades
  - Custom handler
- Events
  - Custom handler
- Price High Low Marker

Tools

- Implement
  - Line
    - Arbitary
    - Ray
    - Horizontal / Vertical
    - Horizontal / Vertical Ray
  - Fibonacci
  - Measurement
- toolbar de/active

Utils

- Chart Config
- Time Zone
- Utils bar de/activate
- Indicators
- Snapshot - export chart image
  - watermark snapshot

Alerts

- API
- config
- GUI

Widgets

- Progress
- Menus
  - Scroll overflow
  - Adjust position and size when clipped
  - position on chart resize
- Windows
  - Config
  - Scroll overflow
  - Dialogue

TALib

- Optionally use to calculate Range
- Base64 encodeing
- Move talib to web workers
- Benchmark against Tulip

Documentation

- Astro
  - API - jsdoc-to-markdown
  - GitHub Docs
- GitHub wiki
- ~~JSDoc-Theme~~
- ~~jsdoc2vitepress~~

Demo

- GitHub Project Page
  - WASM
    - Respond to bug report
- Combine multiple Binance sterams
- add badges
- CodeSandbox Examples
  - static price and live stream
  - static
  - live stream
  - custom indicator
- Framework Integrations
  - Vue3
  - Svelte
  - React / NextJs
- Themes

Presented with xmind