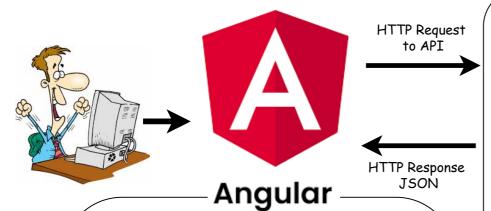
User

User Interface Frontend



Features:

- full-scale asset management process:
 - model portfolios
 - strategies
 - orders
 - trades
 - · clients portfolios
 - investment restrictions
 - portfolio returns analysis
 - performance (HWM) and management fees
- full-scale accounting process:
 - ledger, cash and depo clients accounts
 - balance sheet closing, opening, reconciliation
 - FIFO accounting for shorts and longs
 - back-value overdraft control
 - accounting schemes constructor
 - accounting transactions bulk generation

Technical:

RxJS, Routes Reuse, Routes Guard, ECharts HTTP Interceptor -> Error Handling, Custom Tables

APT Server MiddleWare/Backend

REST:API





Access to API is secured by session authentication via JS passport and hashed password



Isolate and secure database from direct manipulations



More than 100 endpoints to API with a wide range of parameters



Decoupling Frontend and Backend. Simplifying further development

SQL Query (functions/tables)

Map of JSON-like

object



Database



Database:

- 69 tables
- 82 functions
- 6 group roles
- 100 constraints
- 13 triggers
- 18 RLS policies
- Complex functions:
 - Orders calculations
 - FIFO accounting
 - Balance processing,
 - Fees calculation
 - o Time-Weighed rate of return, PL factor analysis



Market Data public APIs:



- Bonds prices · Derivative prices
- · Exchange rates and etc









(API Any other API on demand

