**Project specification**

**Goal is to create a platform for financial companies to support their activities in the scope of providing their clients services of managing investment portfolios.**

**Target users of the system are banks and investment management companies**

**AAM 130223**

* Revive BNP dashboard. Check functionality and especially Uploading moex xml
* Swift Bulk processing. Add UI to override overdraft restriction
* Swift bulk processing. Update UI to show the process of creating entries. Disable button to run the process and notify when all transactions processed
* Limit count of rows fetching for entries list. User setting and store it in DB
* UI OperDay closure procedure. Add overdraft notification and allow to override it
* Add audit log for entry modifying process and closure procedure
* Refactor reloading entries list after updating, deleting , creating a row. Idea: instead of fetching and rendering the whole dataset, as receive from DB changed data and modify only it in the table
* What is the best way to handle long SQL query in angular. Concatenation?
* Add default property to the main accounting schemes
* Create additional acc scheme for the main ones. For example : moving transaction to outstanding accounts
* Perhaps it makes sense to add additional criteria for not client transactions. OWN Vs TRF
* ? Perhaps it's better to store sql text to insert entry in the scheme table
* Generating orders based on accounting position or traded position. Show buy orders of client doesn't sell stocks yet
* Order UI: show market price used for calculation and allow user to change it
* API to upload market rates
* Creating orders: ranking stocks by user choice and available cash (1st instrument, then the second and so on while client has enough cash)
* 2d creating orders: calculate one order execution ratio for all buy items based on accounting cash or other restriction
* Management fee and performance fee (fix or high watermarked)
* Batch job to calc and generate entries for retaining fees
* NPV of portfolio for orders generating
* MP/Strategy structure form - warning on trespassing leverage limit
* ~~Strategies list - update on create, edit, delete~~
* ~~Account creation form with binding to the client and to the strategy. Validators or disabled elem and modal to select data~~
* ~~MP creating item - validators to instrument list~~
* ~~Rewrite columnsToDisplay adding column name and width~~
  + ~~MP structure table - add description column for secid~~
* ~~MP structure - Postges foreign key to prevent deletion with child data~~
* ~~Account and ledger table. Add account types and description (Active/Passive)~~
* ~~Check foreign key restriction while deleting ledger account -done and the same constraint for Account link to AccountTransaction~~
* ~~Entries in closed days - Transform icon to view mode and transfer form to disabled state~~
* ~~Add UI for ledger to ledger transactions~~
* ~~Develop UI for accounting day closure~~
* ~~Created two SQL functions to calculate closed balances and (a little bit complicated) balance per day for open period~~
* ~~Complex search - Add multi select from ledger~~
* ~~Add excel export to entries table~~
* ~~Complex search - Add multi select from accounts table and Add filter by transaction type and table type ll or al~~
* ~~Complex search - Add option for user to paste list of accounts in the chips import with separator, for example comma. On keyup the search string is transformed into array~~
* ~~Bulk processing swift statement. It like i need to use entry form to correctly validate entry date~~
* ~~Bulk swift. UI date of preceding. Swift statement selection checkbox.~~
* ~~Add external id transaction to complex search~~
* ~~Create balance reconciliation~~
* ~~Add deep check for balance~~
* ~~Rename table investment amounts to portfolios~~
* ~~Create complex search for entries table: 1.list of accounts selected by chips and context menu. 2.. Date range~~
* ~~Overdraft UI entry form: Fix: when toggle debit/credit and field accountNo change side, slide to switch off/on works incorrect: state of slide is inconsistent to state of validator. Fixed slide's state depends on existence of validatorAccountOverdraft for the field accountNo~~
* ~~Overdraft: SQL procedure: fix - there will be no data for new account without rows in account statement table (operational day hasn't been closed with the account). Change from part to account table and update join part~~
* ~~Entry form - View state - remove all hints for editing data~~
* ~~Added two async validators to one fields d\_accountNo. spent too much time: first set errors to null; then remove validator; set new one and lastly update validity. it's necessary to figure out what was the exact issue with this pattern~~
* ~~Restrict updating entries in closed day through context menu~~
* ~~Overdraft Validator Bug : current transactions (which are not in closed days) filtered based on date on the last row in statement tables (ledger and accounts). Fixed - the condition has been changed to additional parameter for the SQL procedures. First operating day (which is available in entries list) is being passed as parameter~~
* ~~Overdraft && Expected balance UI: added procedures to update these fields and validators after fields such as amount, date, accounts, side of entries have been changed~~
* ~~Entry UI: account or ledger account can have two error. Created hierarchy of errors. Overdraft error always appear in field bottom part and incorrect account no appears separately below the accounts fields if errors place have been occupied by overdraft errors~~
* ~~Entry form. Create validator for overdraft of ledger account~~
* ~~Overdraft: Create UI to override the overdraft validator. Added slide~~
* ~~Overdraft: Add mat - hint to display expected balance or overdraft if there is one~~
* ~~Create UI for closed balances consistency~~
* ~~Icons to select accounts in entry modifying form are available only in edit mode~~
* ~~Overdraft SQL: create procedure in DB with parameters such as: accountid, transaction's date, amount and direction. Procedure is called as regular SQL statement from Node server~~
* ~~Overdraft: If validator turned off there is no data about expected balance. To Fix~~
* ~~Overdraft validator: Validator update online based on user form update: change of account, amount and date or side the entry (check)~~
* ~~Add chips filter to entries table and create complex search function. Account as array and dateRange. and ? amountRange~~
* ~~Created one reactive form for two tables Account and Ledger. User can edit account in one interface object~~
* ~~Create function to take into account ledger to ledger entries when closing operation day~~
* ~~Restrict modifying transactions in closed days~~
* ~~Entry form. Create validator for overdraft of account and ledger~~
* ~~Create procedure to close accounting day for back value entries and data consistency~~
* ~~Create view of current balance sheet with current data or last movement date~~
* ~~Create balance totals reconciliation~~
* ~~New refactor swift incoming stp process to basic entry modify form with all validators and UI (Old task)Add validators to swift incoming payments allocation form~~
* ~~Block duplication of choosing procedure data. Either UI or DB~~
* ~~Check data balance consistency for a year period~~
* ~~Accounts and ledger ui and link to invest portfolio~~
* ~~Entry validators: accounts, client type code depends on client side in entry~~
* ~~In calendar disable closed accounting dates~~
* ~~Update entry creation UI accordingly. Select list to choose appropriate scheme~~
* ~~Join portfolio-account and ledger-external account mappings in one table~~
* ~~Add accounting scheme with two or more entries and handle it as transaction object in SQL~~
* ~~Validator for client account~~
* ~~Validator for type of client operation or error message if type hasn't been found in mat select~~
* ~~Add form group for cash in page~~
* ~~DB: add entry schema ID,~~
* ~~DB: create table with DEA scheme parameters: name of parameter(code), description, important! place number of parameters in arrays for SQL statement~~
* ~~To obtain INSERT SQL we select necessary DEA scheme and pass data parameters in array with order from dictionary table~~
* ~~Validators for insert or update DEA item: 1. Later than last closed business day. 2. Later than last statement sent to the client~~
* ~~Added scrolling to modal element by stating maxwidth at 90vh and autofocus to false~~
* ~~SecID transformed to upper case by adding class and css to the class with transformation (uppercase)~~
* ~~Add suggestion list for SecID field when adding item to MP structure~~
  + ~~1. Add instrument description~~
* ~~Strategy form - warning on selecting benchmark account with different strategy~~
* ~~BUG : fixed MP or Strategy Structure - Unique items ONLY => UI or DB~~
* ~~Incoming cash entries (30114 - 30606)~~
* ~~Statement MT950 (1. Table with link to the received 950 message and 2. Table with parsed data from statement with incoming balance + transactions => outgoing balance~~
* ~~Management of client cash transactions =>~~
  + ~~Phase 1 is only parsed data imported from csv file right to DB. (UI, DB, API managing the data~~
  + ~~Phase 2: optionally is to add API to upload and parse MT950 in xml format~~
* ~~Double-Entry accounting and ledger~~
* ~~Accounting date closure~~
* ~~uses genuine OLTP Standards and genuine SQL ACID Transactions (not possible in the pretend-SQL freeware~~
* ~~Hints on selecting secid for MP and benchmark = ? same UI path!~~
* ~~Disable benchmark account selection for MP ?~~