IDSA – Inteligent Data Stock Analyzer.

## Developers :

1. CezaryWronka – data base behavior , task synchronization, chart’s
2. PiotrSacharuk – web data gathering, analyzing
3. PatrykJanota – csv reading, data presenting (main view), renta-wieczysta.

## Main Tasks (sorted with priority 1-5) TODO:

**All(1): CODE REFACTORING** - Spojnosc nazw: widok = to co widzimy bezposrednio w apps.[ Eventy – RaiseEventSTH] [Delegates - ViewName\_DelegateName] [Kolejnosc metod w klasach w sekcji Clean Code – **USE #REGION** **MANDATORY**]

Patryk(1): Obróbka danych przry DataGridzie(obliczenia)!!!!

Cezary(1): Reports (podzial w bazie na Bilans, RZiS, cala reszta)!!!!!

**Sth(1):** Implement using **Event Aggregator** in code

Cezary(2): Clean -> ServiceLocator -> dodac funkcie usuwania ze slownika. Clean bedzie szybszy

Cezary(2): Spolki - nowe zakladki - new Tabbed View Provider(Internal) – zrobic tak, zeby nie bylo burdelu

Cezary(2): Chart Service Provider Interface(GetData(), Refresh(), Delegate do Company Changed?)

Cezary(2): Chart - Zaznaczasz kolumne, wyswietl wykres

Cezary(3): Dezaktywacja CsvUpload\_SaveDB

Cezary(3): Wykres funkcjonalnosc(wybierz max, ogranicz ilosc danych(raporty z 2 lat domyslnie), kolorystyka danych, ...)

Cezary(4): zakres companies na suwaku

Cezary(5): Add Companies/Reports w watkach(inny sposob blokowania aplikacji)

Cezary(5): Odpalenie bazy na innym watku.

Patryk(5): Filtr Box - Aktualizacja cofanie, jednorazowe wczytywanie z bazy(z poczatku, pozniej obiekty lokalnie - async)

Patryk(5): Transpozycja DataGrid View....

## Key Money MAKER features.

1. RentaWieczysta (Calculated)
2. RentaWieczysta (Stored ? where ? how to scan through ?)
3. Volumen Signal’s ( how to catch ? how to judge if is positive volume(positive information ) or negative(bad informations)
4. When quarter result comes out especially in hot season, there is a need for fast selection of companies that behave extra-ordinary. That with point (3) gives us possible investor’s money movment’s into this company, and other financial operators (for exampale TFI, OFE others)

## ADDITIONAL FEATURES.

1. Chart visualization on financial data when user select rows, columns etc.
2. Automatic download of data like SUROWCE , WALUTY etc.
3. **TODO: feel free to add more**

### Luźne przemyślenia:

Mamy 3 typy wyświetlania dla głównego View:

View = Reports DataGrid + chart

View = Company Info

View = Chart

## Clean Code:

Ordering of code in classes(ReSharper does this automatically;) ):

1. Static Variables
2. Static Methods
3. Public Variables
4. Protected Variables
5. Private Variables (3-5 Fields and Props)
6. Constructors (Ctors)
7. Public Methods (Event Handlers at top of public methods)
8. Protected Methods
9. Private Methods (Database Connection, etc.)

The following rules:

* static before anything
* variables before constructors before methods (i consider constructors to be in the category of methods)
* public before protected before private

The idea is that you **define the object** (the data), before the **behaviors** (methods). Statics need to be separated because they aren't really part of the object, nor it's behavior.