Graph – DASHBOARD\_HTML

1. Overall line trending graph for each stock/sector/industry.
2. Top 10 industry/Top 10 Stock/ Top 10 sector.
3. MACD prediction indicator graph –
   1. Volume
   2. Close Price
   3. Open Price
   4. High price
   5. Low price
      1. Search for formula
4. CAGR indicator
   1. Search for formula

PREDICTION LOGIC

* MACD
* CAGR

VISUALIZATION\_AND\_DDD

* USER INPUT 🡪 STOCK TICKLER CHOICE
* BOX TO DISPLAY LIST OF SECURITIES
  + PER SECTOR
  + PER INDUSTRY

Stage One

* Pull data
  + David
  + Ram
* DATABASE
  + CLEANED DATA
  + Compile daily data
  + Compile weekly data
  + Compile yearly data
    - All 3 to 4 SQL tables.

Stage Two

* Logic (JS)
  + Monthly data
  + Daily data
  + Yearly data
* Prediction model
  + Everyone
  + Apply the
  + Prediction logic
    - Calculation growth rate of each industry/sector
    - Input box -> user defined field
      * Amount of investing dollar
        + Amount (1 times growth rate) = expected return
      * Growth rate -> defined in the logic section
        + Applied a random formula between -25% to 25% incremental per year
        + Calculation defined by Travis
      * Investment period -> user define field
        + Defines the data point range for data input.
      * Expected rate of return -> user define
        + Compare to logic growth rate and determine which rate should be apply into the prediction model.
      * Expected return -> determine by logic

Stage Three

* Visualization
  + HTML
  + Everyone
  + List of securities
    - Search box
* Ravi
* Travis
* Everyone

\*\*\*\*\*\*\*\*Include one unknown JavaScript library for graph

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| --- | --- | --- | --- | --- |
| Date | TASK | Participant | status | time |
| 07/03/2020 | Data scraping/pulling |  | pending | TBD |
| 07/04/2020 | Data scraping/pulling/ Finalize type of graph to display data |  | Must complete | Before 10AM/TBD  Deadline = EOD |
| 07/05/2020 | Logic |  |  |  |
| 07/06/2020 | Logic |  |  |  |
| 07/07/2020 | Visualization start / logic completed |  | Must complete(Logic) | Logic due EOD |
| 07/08/2020 | Visualization continue |  |  |  |
| 07/09/2020 | Visualization 50% completion |  | Must complete | EOD |
| 07/10/2020 | All step must be finalized/ rehersal for presentation |  |  | Dead line-whatever time it is |
| 07/11/2020 | Project presentation |  |  |  |