**LootLoader (Barebones)**

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| **Details** | **Summary** | **Done** |
| What it needs to function:   1. Accurate Historical data from TDA    1. I already have the method written out that pulls historical data from TDA for one stock. Currently, I need to update the refresh token and write a procedure of how to properly update it every 90 days. This is preventing that method from working. One day.    2. I need to pull historical data from TDA for 10 stocks and confirm their accuracy against TOS and/or streaming data. This will confirm how we will get paid on good trades.       1. If the data is accurate according to TOS:          1. go to 2. 100% accurate data       2. If the data is not the same as TOS or streaming data:          1. We need to either confirm with a developer how I can confirm correct data and get paid for good trades.          2. Or I would need to just try it out in live version based on the accuracy level between historical data and streaming data. | Refresh token – one day  Create tables for 10 stocks for historical data and streaming data. – one day  Pull historical data for 10 stocks and put into server, pull streaming data and put into server – two days.  Write a program to compare the historical and streaming data and return a percentage of accuracy. – one day  4 days | Refresh token - done |
| 1. 100% accurate data    1. Calculate the EMA200       1. stream data for each stock       2. Pull 199 data from historical tables for each stock       3. Calculate the EMA200 using the data       4. Store in EMA200 tables for each stock | Stream data for each stock. Pull 199 data from the same historical tables as the streamed stocks. – one day  Calculate EMA200 either first by using TA api method. If that doesn’t work it must be calculated with my own method and stored. – each of these is 2 days. So 4 days max.   1. days |  |
| 1. Confirm accuracy of EMA200 values to excel and/or TOS – one day | Compare EMA200 values to excel and/or TOS – one day |  |
| 1. Create historical EMA200 data for each stock    1. Pull historical price data for each stock    2. Calc EMA200 for each time stamp relative to each price and store into table | One day |  |
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1. Create Turner Bands
   1. Pull 199 EMA200 data for each stock
   2. Calculate the angle of the EMA200 and store it for each stock in tables
   3. Calculate the first 10 standard deviations and store them in tables for each stock
2. Setup Buying algorithm
   1. Compare
   2. Pull profit from table