Objective : Code an Investment Tracker for all investments made by Noor& Madi on behalf of everyone who sends them money to do so.

Process flow of ‘business’:

* Investor gives Noor&Madi to be invested in any way they see fit and will help grow. (transfer can be cash, or electronic transfer.
* Noor&Madi move the funds into a brokerage account (Robinhood is the likeliest, but also have Etrade if needed)
* Securities or other investments are bought with those funds at the discretion of Noor & Madi or specific request from the investor.
* Securities are also sold at the discretion of Noor & Madi or the specific request of the investor.
* The investor’s balance of different securities and cash balances are recorded and updated with each transaction.

Application:

* Would like a platform for Noor&Madi to enter what transaction was done, one at a time. They will enter the brokerage used, the date, the security (or other investment method) purchased/sold and the resulting event to the balance.
  + Example:
    - Nadeem sends Noor&Madi $1,000 to invest for him in any way they feel. On 1/1/23 Noor & Madi put it into ARR (at $10 per ARR share)to grow with dividends. The transaction converts Nadeem’s $1,000 to 100 shares of ARR. On 1/30/23, a dividend is paid at $0.10 per share. On 1/31/23, when ARR hits a price of $11 per share, Nadeem requests all shares withdrawn.
  + How it would look:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brokerage | Date | Investor | Action | Amount | Account | Crspndg Acct | Effect | Notes |
| Robinhood | 1/1/23 | Nadeem | Deposit | $1,000 | Cash with N&M |  |  | Nadeem initial investment |
| Robinhood | 1/1/23 | Nadeem | Transfer | $1,000 | Cash in RH | Cash with N&M | -1000 | Nadeems funds moved to Robinhood |
| Robinhood | 1/1/23 | Nadeem | Buy | 100 | ARR | Cash in RH | -$1,000 | Bought ARR at $10 per share. |
| Robinhood | 1/30/23 | Nadeem | Dividend | $100 | Cash in RH |  |  | Div paid at 10 cents per share. |
| Robinhood | 1/31/23 | Nadeem | Sell | 100 | ARR | Cash in RH | $1,100 | Sold ARR at $11 per share. |
| Robinhood | 1/31/23 | Nadeem | Withdraw | $1,100 | Cash in RH |  |  | Withdrew from RH and to his own acct. |

* Would like Noor&Madi to open a single screen and enter the data for each attribute. (brokerage, date, investor, action, amount, affected account, corresponding account, affect on corr. Acct, and Notes.)
* Would like each investor’s data to save to the database on a daily basis (for future reporting and tracking)
* Would like Noor&Madi to pull reports filtered by any of the attributes listed above.
* Would like investors to have their own user ID and password, and be able to pull their own reports (statements).
* Would like investors to place on site requests and ask questions. – these requests to be stored for future reference.
* Would like investor dashboards to show investment progress over time of commitment to date of choosing (current date as default) via a line graph.

App will need:

* Initial page with login/registration options
* Dashboard for each user/investor
* Database for all kept transactions
* Transaction submission page for Noor&Madi
* Report request page
* Report display page