

1. Name of Your Website

TradeTracker

2. Description of Topic

TradeTracker is a web-based platform for day traders to log, track, and analyze their trades effectively. The website will allow users to add detailed trade data, including the ticker symbol, entry/exit price, trade date, and profit/loss. Traders can view a history of their trades and visualize trends through dynamic charts and graphs. By providing detailed insights, users can identify patterns, improve their strategies, and minimize risk in their trading decisions. This platform is designed for both beginner and experienced day traders who want to stay on top of their performance.

3. List of Page Names

1. Home - Introduction to the site and its purpose.
2. Add Trade - A form page where users can input trade details.
3. Trade History - A list of all previous trades with sortable/filterable columns.
4. Insights - A data visualization page showing charts for profit/loss trends, win rates, etc.
5. Contact Us - A simple page for users to reach out for support or feedback.

4. Description of Data to Be Stored, Manipulated, and Viewed

Data Storage:

- Ticker Symbol: The name of the stock or asset traded (e.g., AAPL, TSLA).
- Entry Price: The price at which the user entered the trade.
- Exit Price: The price at which the user exited the trade.
- Trade Date: The date the trade was executed.
- Profit/Loss: The calculated profit or loss for the trade based on entry and exit prices.
- Notes: Optional space for users to write observations or thoughts on the trade.

Data Manipulation:

- Each user will have full control over their own journal, allowing them to:
- Add new trades.
- Edit existing trade details.
- Delete trades they no longer need.

- A user account system will be implemented with login security to ensure that:
- Each user's data is private and accessible only to them.
- Passwords are securely stored using hashing techniques.

Administrator Role:

- The administrator will oversee the platform, ensuring system functionality and resolving any technical issues.
- The admin can manage platform settings and oversee data for technical purposes but will not interfere with individual user journals unless necessary for maintenance.

Automated calculations will display metrics such as:

- Total profit/loss.
- Average trade size.
- Win rate (percentage of profitable trades).

Data Viewing:

- Users can view their trade history as a table with sortable columns (e.g., by date or profit).

Graphs on the Insights page will include:

- A line chart showing profit/loss trends over time.
- A pie chart displaying the win vs. loss ratio.

Additional filters will allow users to view trades by specific criteria, such as:

- Date range.
- Specific ticker symbols.

Export functionality will allow users to download their trade history as a CSV file for offline use.