**Stock manager**

1. Introduction:

1. Monitor all your investments in one place, including the number of shares held for each stock.
2. Keep tabs on your purchase prices for each stock, ensuring accurate cost basis tracking.
3. Gain instant insights into your overall portfolio value, with a clear picture of your financial standing.
4. Add new stocks to your portfolio effortlessly by searching by symbol or name.
5. Update existing holdings with ease, adjusting purchase prices or share quantities.

2. Installation instructions.

1. Download the zip file and extract the content.
2. Open the stock management directory.
3. Now create virtual environment.
   1. python -m venv venv
4. activate virtual environment.
   1. venv/Scripts/activate
5. Install all the necessary modules and libraries.
   1. pip install -r requirements.txt
6. the database file (db.sqlite3) already included in the zip.
7. Now you can test the api endpoints.

3. Api endpoints

* GET /stocks: Retrieve a list of all stocks.
* GET / stocks /{id}: Retrieve details of a specific stock by ID.
* POST / stocks: Create a new stock.  
  the request body should be in the below format for successful request.  
  {  
   "symbol": "<symbol value>",

"name": "<name of the company>",

"quantity": <number of stocks>,

"purchase\_price": "<price of the stock at the time of purchase>",

"current\_price": ""<current price of the stock(this field can be make dynamic to show the current price of the stock)>",

"portfolio\_value": "<portfolio value(current\_price \* quantity)>",

"date\_purchased": "<data of purachase>",(optional)

"note": "<any note>." (optional)

}

* PUT / stocks /{id}: Update details of a specific stock.  
  provide fields to be updated.
* DELETE / stocks /{id}: Delete a stock by ID.