The **Stock Trader** program is designed to track a trader’s investments and perform stock trading activities. Below are some key features the user would need:

1. **Login/Authentication**:
   * Users must log in to access their trading account and investment portfolio securely.
2. **View Portfolio**:
   * The user can view all the stocks they own, including the number of shares, stock prices, and additional information like purchase date and price.
3. **Buy Stocks**:
   * The user can buy stocks by searching for the stock symbol, entering the number of shares, and confirming the purchase.
4. **Sell Stocks**:
   * The user can sell their stocks by specifying the stock, the number of shares, and confirming the sale.
5. **Track Stock Prices**:
   * Real-time stock prices are displayed for each stock in the user’s portfolio.
6. **View Transaction History**:
   * A history of the user’s buy and sell transactions is available for review, including the date, number of shares, and the price.
7. **Calculate Portfolio Value**:
   * The program calculates the total value of the user's stock portfolio based on the current stock prices.
8. **Record Additional Information**:
   * Users can add notes to each stock, such as the reason for purchasing or future plans.