Stock Market

By: Camaron Wat and Joseph Tadrous

System description

Stock market search bar that can help investors, traders and financial analysts. Its primary purpose is to quickly and effectively display any stock that is searched for.

What is displayed:

- Basic stock information(Company Name, CEO, Sector, Location, Exchange, Price, dividend)
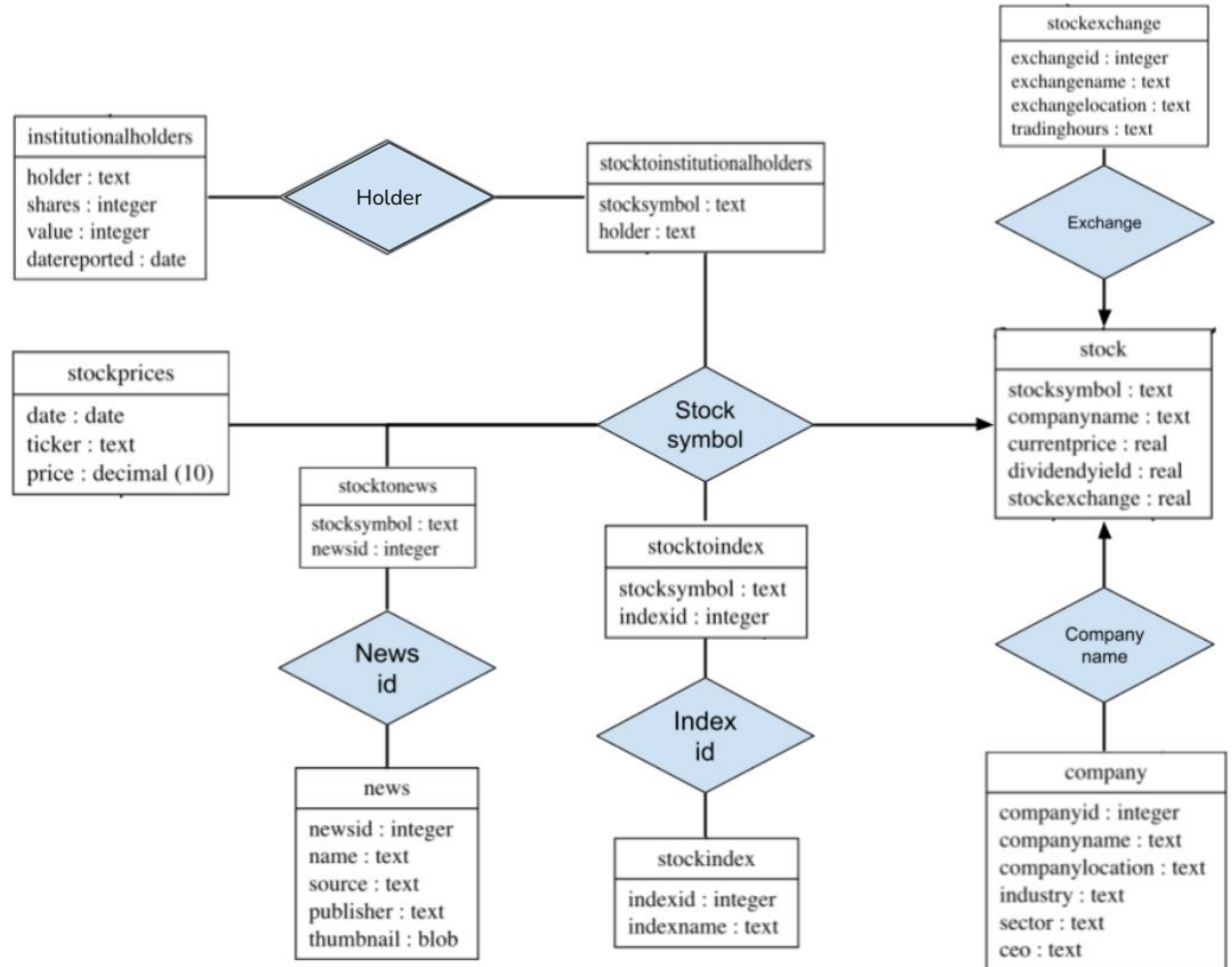- Line Graph
- Related News article

Use-case description

Comprehensive Ticker Symbol Search: Users can enter company names, ticker symbols, or industry keywords to initiate the search.

Data Retrieval: Upon entering a query, the search bar fetches data, including stock prices, dividend yield, price chart, and related news.
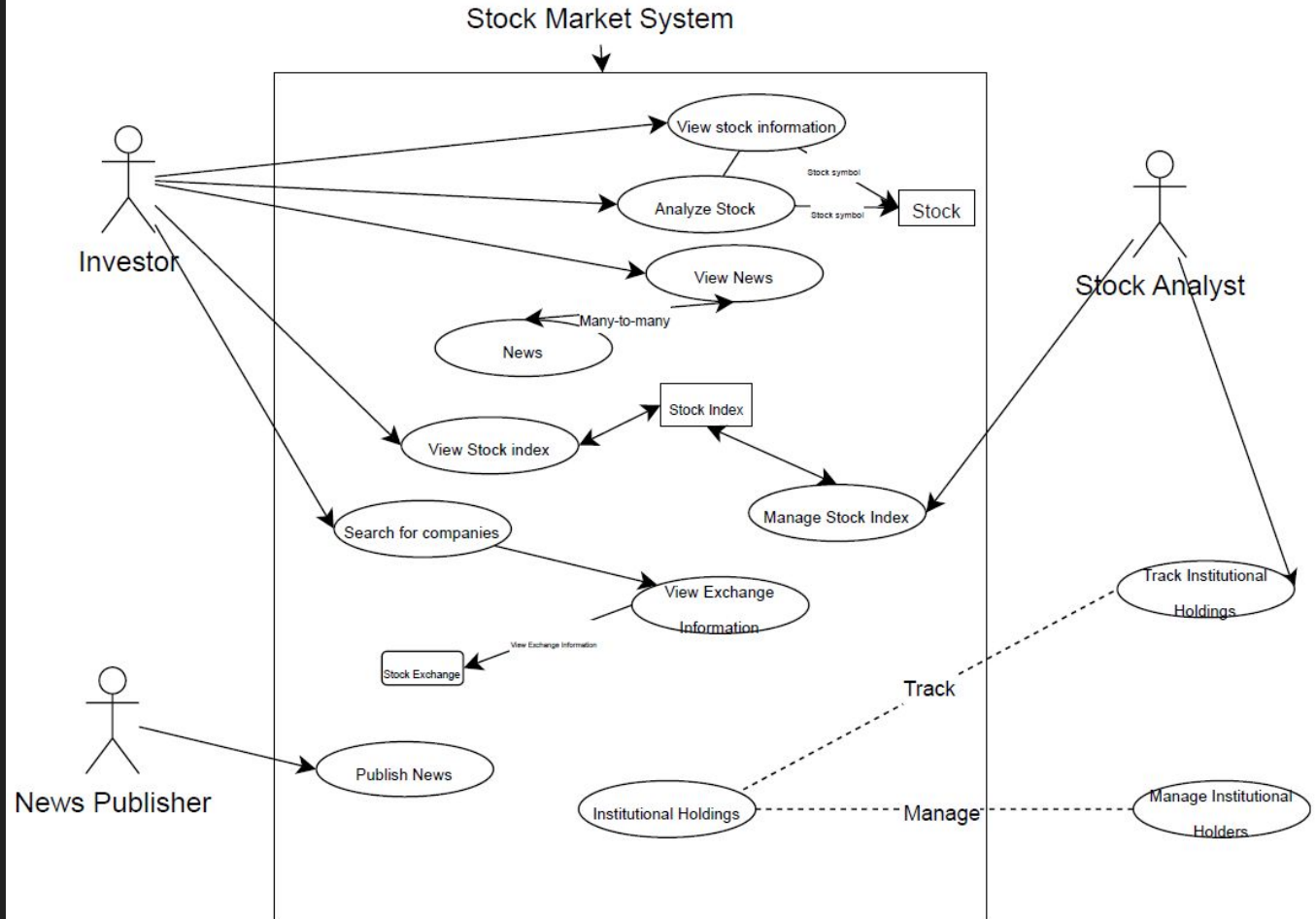
Interactive Charts: Integrated charts provide visual representations of historical stock performance, allowing users to quickly assess trends, and patterns.

News: News data are displayed to help users stay informed about events affecting their investments.

E/R diagram

Relational schema

Implementation details

Our implementation is a web application using the basic HTML / CSS / JavaScript / Python Stack. Our database is a relational DB powered by SQLite

Frontend: HTML / CSS / JavaScript

Backend: Python Flask, SQLAlchemy

Database: Relational DB using SQLite

Demo