

Advisor360: Financial Portfolio Management Platform

Overview

Advisor360 is a comprehensive financial portfolio management platform designed to empower financial advisors with real-time insights and client management tools. The application offers a modern, responsive interface to seamlessly track and manage client portfolios, monitor performance metrics, and generate professional reports.

Features

Dashboard & Portfolio Management

- **Household Overview:** Centralized dashboard displaying key metrics and summary data for each client household
- **Account Tracking:** Detailed view of all accounts within a household, including account types and current values
- **Position Management:** Complete position tracking with market values, asset allocations, and unrealized gains/losses

Performance Analysis

- **Time-Period Analysis:** Track performance across various time periods (YTD, 1-month, 3-month, 1-year, since inception)
- **Visual Metrics:** Interactive charts showing performance trends and comparisons
- **Asset Allocation:** Visual breakdown of portfolio allocation across asset classes

Report Generation

- **PDF Reports:** Generate professional PDF reports for client meetings and reviews
- **Customizable Reports:** Choose between comprehensive reports with complete portfolio details or basic account summaries
- **Data Visualization:** Reports include formatted tables and performance metrics for clear client communication

Document Management

- **Client Document Repository:** Store and organize important client documents
- **Secure Access:** Controlled access to sensitive client information

Technical Implementation

Frontend

- **React.js:** Modern component-based architecture
- **TanStack Query:** Efficient data fetching and state management
- **Tailwind CSS & Shadcn UI:** Clean, responsive design with consistent user experience
- **Recharts:** Interactive performance and allocation visualizations
- **PDF Generation:** Client-side report generation with jsPDF and jspdf-autotable

Backend

- **Express.js:** Robust API server handling data requests
- **PostgreSQL with Drizzle ORM:** Efficient data storage and retrieval
- **RESTful API:** Clean API design for all data operations

Data Model

- Hierarchical structure connecting households, accounts, and positions
- Comprehensive performance metrics tracking with historical data
- Asset allocation tracking across multiple dimensions

Architecture

The application follows a modern client-server architecture with:

- Separation of concerns between data, business logic, and presentation
- Responsive design supporting desktop and mobile interfaces
- Performance optimizations for handling large datasets
- Easy integration in other Microsoft applications such as Power BI

Future Enhancements

- Advanced analytics and reporting capabilities
- Client portal for direct client access
- Integration with external financial data providers
- Automated portfolio rebalancing recommendations

- Fee Managment

Advisor360 enables financial advisors to provide superior client service through intuitive portfolio management, insightful performance analysis, and professional reporting tools in a single, integrated platform.