**Data Model Design Document**

**Portfolio Data Model**

• Schema:

• The portfolio is represented as a collection of trades.

• Each portfolio document contains an array of trade references.

• The trades array holds references to the individual trade documents.

**Trade Data Model**

• Schema:

• Each trade document contains information about a specific trade, including the stock ID, date, price, and type (buy/sell).

• The stockId field references the corresponding stock document.

• Date is stored as a Date object.

• Price is stored as a number.

• Type is stored as a string with enum values ('buy' or 'sell').

**Stock Data Model**

• Schema:

• Each stock document contains an ID representing the stock.

• The id field is unique and represents the stock symbol (e.g., RELIANCE, HDFCBANK).