

The relationships in everyday terms

1. ConsoleView → SharePriceService

ConsoleView is the front desk.

It talks to the user and then asks SharePriceService for the real work.

Relationship:

ConsoleView depends on SharePriceService.

2. SharePriceService → ShareRepository

SharePriceService is the manager.

It needs to check the repository first to see if data is already stored.

Relationship:

SharePriceService uses ShareRepository to read/write cached data.

3. SharePriceService → ShareDataProvider (YahooFinanceProvider)

If the repository doesn't have the data, the service goes to the external supplier (Yahoo Finance).

Relationship:

SharePriceService calls the data provider to fetch live prices.

4. ShareRepository → File System

The repository is the storage room.

It saves and loads data from the file system.

Relationship:

Repository reads/writes files.

5. YahooFinanceProvider → Yahoo Finance API

The provider is the messenger.

It sends requests to the Yahoo Finance API and brings back data.

Relationship:

Provider communicates with the external API.

6. Domain Model (Share, SharePrice) → Used by everyone

These are the data objects everyone passes around.

Relationship:

All components share the same data types, but the domain model depends on nobody.