Concrete Class **Stonks Application: UML** Abstract Class Interface **Portfolio** - investments : List<Investment> Enum + size : int + getHeldAssets : List<Asset> Record + iterator : Iterator < Investment > + stream : stream<Investment> + getTotalPurchasePrice : double Investment + getTotalValueAtPrice : double + getTotalPortfolioCost : double - asset : Asset + getTotalPortfolioValue : double - purchasePricePerShare : double + getAsset : Asset + getPurchasePricePerShare : double + getTotalPurchasePrice : double + getTotalValueAtPrice : double **AssetPriceIndex** + getClosingDate : LocalDate + getInvestmentValue : double NonFractionalInvestment FractionalInvestment - sharesHeld: int - sharesHeld: double + getSharesHeld: int + getSharesHeld : double **HashAssetPriceIndex** + setSharesHeld + setSharesHeld Asset AssetType - symbol : String + STOCK : AssetType + MUTUAL FUND : AssetType category : AssetType + STOCK SLICE : AssetType - dividend : Optional < Dividend > - name : String + getSymbol : String - allowsFractionalOwnership : boolean + getCategory : AssetType + hasDividend : boolean + getName : String + getDividend : Optional<Dividend> + allowsFractionalOwnership : boolean Tagging Classes NonFractionalAsset FractionalAsset

Dividend

- percentage : double - type : DividendType

+ percentage : double

+ type : DividendType

DividendType

+ STOCK : DividendType + CASH : DividendType