LinkedDeque implements DequeInterface

- DLNode frontNode
- DLNode rearNode
- + linkedDeque ()
- + LinkedDeque(data)

Internal Class IteratorForLinkedDeque

- + IteratorForLinkedDeque()
- + T next()
- + Boolean hasNext()

Internal Class DLNode

- T data
- DLNode previousNode
- DLNode nextNode
- + DLNode()
- + DLNode(T Data)
- + DLNode(T Data, DLNode next, DLNode)
- + void setData(T data)
- + T getData()
- + void setNextNode(DLNode next)
- + DLNode getNextNode()
- + void setPreviousNode(DLNode prev)
- + DLNode getPreviousNode()

EmptyQueueException

- + EmptyQueueException()
- + EmptyQueueException(String message)

<<Interface>

DequeInterface

- + void addToFront(T)
- + void addToBack(T)
- + T removeFront() throws EmptyQ
- + T removeBack() thows EmptyQ
- + boolean is Empty()
- + T getFront()
- + T getBack()
- + void clear()
- + Iterator<T> interator()
- -memberName
- + Iterator<T> getIterator()

StockPurchase

- String stockSymbol
- Double stockPrice
- int numberOfShares
- +StockPurchase(String, Double, int)
- + void setNumShares(int)
- + int getNumShares()
- + void setStockPrice(double)
- + double getStockPrice()
- + void setStockSymbol(String)
- + String getStockSymbol
- + double getTotalCost()
- + String toString()

LedgerEntry

- LinkedDeque ledgerDisk
- String stockSymbol
- double gains
- + ledgerEntry(String stockSymbol)
- + ledgerEntry(String,stock Symbol Double price, Int numberOfStock)
- + String getStockSymbol()

public void addPurchase(Doube price, Int numOfStock)

- + double sellStock(ing numOfStock, double Price) thows EmptyQeueException
- + void clear()
- + void setStockSymbol(String symbol)
- + double overallCost ()
- + Stirng toString()
- + boolean isEmpty()
- + double getGains()
- void addToGains(double cost)

<<Interface>>

Main

StockLedgerInterface

- + void buy(String, int, double)
- + double sell(String, int, double)

+ Static void main(Stings[] args)

- + boolean contains(String)
- + boolean LedgerEntry getEntry(String)

StockLedger implement StockLedgerInterface

- ArrayList <LedgerEntry> StockList
- double monies
- + String toString()
- + String printLedger()
- + String printGains()