**Method Specifications for IFolio:**

Public ArrayList<IStock> getStocks ()

effects: returns an arraylist of IStock objects

public String getFolioName()

effects: returns the name of folio object

public void addStock (IStock stock)

requires: Istock object to exist

modifies: this

effects: adds IStock object to arraylist stocks

public Boolean editHolding( String tickerSym, int newQuantity )

requires: that holdings contains an IStock object with a ticker symbol that matches the one passed in

modifies: this

effects: edits the quantity held of an IStock object with a specific ticker symbol

public double calculateValue(IFolio folio)

requires: folio object to exist

modifies: this

effects: calculates value of each share at that quantity and adds it to total value of folio

void refreshFolioData()

requires: Holdings must contain at least one stock

modifies: this

effects: updates prices for each stock using data from online

public double getTotalValue()

requires: folio to exist

effects: returns total share of folio

void sellShares(String tickerSym, int numSold)

requires: tickersym and numSold to != null, stocks ArrayList must exist

modifies: this

effects: runs through arraylist looking for the ticker symbol and its associated stock and removes the quantity specified

**Method Specifications IStock :**

public String getTickerSym()

requires: stock object needs to exist

public void setQuantity (int value)

requires: stock object needs to exist

modifies: this   
effects: updates quantity field in the stock object to the value inputted

public int getQuantity ()

requires: stock object needs to exist   
effects: returns the quantity of this particular stock object

public void setPrice (double value)

requires: stock objects needs to exist

modifies: this   
effects: Updates the lowest and highest values by comparing the current highest and lowest price to the new price for stock by checking if the new price for this stock is lower or higher than the lowest or highest price (respectively).

Public double getPrice()

requires: stock object needs to exist  
effects: returns the current price of the stock

public void refreshPrice()

requires: Stock object must exist

modifies: this

effects: updates price of stock object using data from online

public double getLast()

requires: Stock object must exist

effects: returns the previous price of the stock

public double calculateValue()

requires: stock object must exist

effects: returns the result of multiplying price of share by its quantity

**Method Specifications for Itracker:**

ArrayList<Folio> getFolios()  
requires: requires a tracker to exist

effects: returns the arraylist of Ifolios that exist

Public void newFolio (IFolio folio)

Modifies: this

Effects: adds folio to arraylist of folios

Public void closeFolio (IFolio folio)

Requires: Folio to be deleted must exist

Modifies: this

Effects: removes the specific object from the arraylist

Public void refreshAllData()

Requires: must be at least one Folio object that exists

Modifies: this

Effects: Updates the folio objects prices

Ifolio getCurrFolio()

requires: folios array to exist

effects: calls refreshFolioData method on folios in tracker