Class diagram for Assignment 3
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Franchise

- stores []

+ Franchise(int num)
+ Store getStores(int)
+ void setStores(Store, int)
+ int numberofstores()
+ void print()

Store

- float salesbyweek[][]
- float[] totalSalesForEachWeek
- float[] weeklySalesAverages
- float totalSales
- float averageAllWeeks
- int topSalesWeek
- int lowSalesWeek
+ final int NUM_WEEKS
+ final int DAYS_PER_WEEK

+ Store()
+ void setsaleforweekdayintersection(in
+ float[][] getSalesbyweek()
+ float[] getTotalWeeklySales()
+ float[] getWeeklySalesAverages()
+ float getTotalSales()
+ float getAverageAllWeeks()
+ getTopSalesWeek()
+ getLowSalesWeek()
+ float[] getsalesforentireweek(int week
+float getsaleforweekdayintersection(in
+float[] totalsalesforeachweek()
+ float[] avgsalesforeachweek()
+ float totalsalesforallweeks()
+ float averageweeklysales()
+ int weekwithhighestsaleamt()
+ int weekwithlowestsaleamt()
+ protected void analyzeresults()
+ void printdata()
+ void print()

FileIO

- String fname
- boolean DEBUG

+ FileIO(String fname)
+ Franchise readData()
+ int buildStore(Franchise, i
+ void print()

Containment

Encapsulation

Containment

Dependency

UI

+ final int NUM_WEEKS
+ final int DAYS_PER_WEEK

+ UI()
+ void talkToUser(Franchise f)
+ void printWelcomeMessage()
+ int getMenuChoice(Scanner sca
+ void printMenu()
+ int getMenuSelection(Scanner s
+ void printSalesForEachWeek(S
+ void printAverageDailySales(St
+ void printTotalSalesForAllWeek
+ void printAverageWeeklySales(
+ printWeekWithHighestSales(Sto
+ void printWeekWithLowestSale
+ void printAllAnalytics(Store stor

Dependency

Containment

Driver

+ FileIO a1
+ Franchise f
+ UI userInterfa

+ void main()

Dependency