Date Class Testing

Date d = new Date(31,1);

d.getDay()

d.getMonth()

d.incremenetDay();

d.getDay()

d.getMonth()

d.incrementDay();

d.incrementDay();

d.incrementDay();

d.incrementDay();

d.getDay()

d.getMonth()

Date d = new Date(5,2);

Date d2 = new Date(1,6);

d.monthsUntil(d2)

Date d2 = new Date (15,6);

d.monthsUntil(d2)

Date d = new Date(30,4);

Date d2 = new Date (1,1);

d.monthsUntil(d2)

Date d2 = new Date (30,1);

d.monthsUntil(d2)

d2.incrementDay();

d.monthsUntil(d2)

d2.incrementDay();

d.monthsUntil(d2)

Results(- means no output)

-

31

1

-

1

2

-

-

-

-

5

2

-

-

4

-

5

-

-

9

-

9

-

9

-

10

Comments

Setting up a starting Date

Testing get functions

Adding a day and testing gets again

Adding multiple days and getting again

Setting up 2 dates

Checking months until

Checking rounding of months

Setting up 2 dates

Checking months until again

Testing end of month issues

Account Class Testing

Account a = new Account( 20, 10, .07, .08, 5);

a.getLineFee()

a.setLineFee(15);

a.getLineFee()

a.getRate()

a.setRate (11);

a.getRate ()

a.getSalesTaxRate()

a.setSalesTaxRate (.075);

a.getSalesTaxRate ()

a.getInterestRate()

a.setInterestTaxRate (.085);

a.getInterestTaxRate ()

a.getMonthUsage()

a.setMonthUsage (7);

a.getMonthUsage ()

a.getPastYearusage()

a.getCurrentYearUsage()

a.getBalance()

a.getMonthBill()

a.getAmountPaidThisMonth()

a.recievecePayment(100);

a.getAmountPaidThisMonth()

a.isOnMonthlyPlan()

a.turnOnMonthlyPlan();

a.isOnMonthlyPlan()

a.turnOffMonthlyPlan();

a.isOnMonthlyPlan()

a.isOpen()

a.getAnnniversaryDate()

a.getCustomer()

Results (-means no output)

-

-

20.0

-

15.0

10.0

-

11.0

0.07

-

0.075

0.08

-

0.085

0

-

7

60

0

0.0

0.0

0.0

-

100.0

false

-

true

-

false

false

null

null

Comments

Setting up a test account

Testing getter setters

Testing getter setters

Testing getter setters

Testing getter setters

Testing getter setters

Testing getters

Testing getters

Testing getters

Testing Boolean methods

Customer Class Testing

Customer c = new Customer("Edward", "Snowden", "123 Cool Street", new Date(2,8));

c.getFirstName()

c.setFirstName("Eddy");

c.getFirstName()

c.getLastName()

c.setLastName("Snowy");

c.getLastName()

c.getAddress()

c.setAddress("124 Sweet Circle");

c.getAddress()

c.getDate().getMonth()

c.getDate().getDay()

c.setDate(new Date(5,7));

c.getDate().getMonth()

c.getDate().getDay()

c.getElectricAccount()

c.setElectricAccount(new Account(1,1,1,1,1));

c.getElectricAccount()

c.getGasAccount()

c.setGasAccount(new Account(1,1,1,1,1));

c.getGasAccount()

c.getWaterAccount()

c.setWaterAccount(new Account(1,1,1,1,1));

c.getWaterAccount()

Results (-means no output)

-

-

-

"Edward"

-

"Eddy"

"Snowden"

-

"Snowy"

"123 Cool Street"

-

"124 Sweet Circle"

8

2

-

7

5

null

-

-

Account@46d6bdfd

null

-

-

Account@44ca440b

null

-

-

Account@63f2e80f

Comments

Setting up test Customer

Testing getter setters

Testing getter setters

Testing getter setters

Testing Account integration

Testing Account integration

Testing Account integration

Advanced Testing

Account acct = new Account(10, 0.10, 0.05, 0.20, 500)

acct.openAccount(null, null);

acct.getBalance()

acct.setMonthUsage(1000)

acct.endOfMonthProcessing()

acct.getMonthBill()

acct.getBalance()

Account acct = new Account(10, 0.10, 0.05, 0.20, 500)

acct.openAccount(null, null);

acct.receivePayment(150)

acct.getBalance()

acct.setMonthlyUsage(1000)

acct.endOfMonthProcessing()

acct.getBalance()

acct.getMonthBill()

Account acct = new Account(10, 0.10, 0.05, 0.20, 500)

acct.openAccount(null, null)

acct.setMonthlyUsage(1000)

acct.endOfMonthProcessing()

acct.getMonthBill()

acct.receivePayment(15.50)

acct.getBalance()

acct.setMonthlyUsage(1000)

acct.endOfMonthProcessing()

acct.getBalance()

acct.getMonthBill()

Results (-means no output)

-

-

-

0.0

-

-

115.5

115.5

-

-

-

-

-150.0

-

-

-34.5

0.0

-

-

-

-

-

115.5

-

100.0

-

-

235.5

235.5

Comments

Testing End of Month Processing

Testing End of Month Processing

Testing End of Month Processing