***Monder Ashkar***

***Project Part -A- Test***

***Test 1:*** createCompaniesTest

Creating 3 companies 🡪 database “company” should have 3 rows of data

Then trying to add 1 exist company to the database, should get a message that the company is exist.

***Test 2:*** createCustomersTest

Creating 3 customers 🡪 database “customer” should have 3 rows of data

Then trying to add 1 exist customer to the database, should get a message that the customer is exist.

***Test 3:*** createCouponsTest

login to first company: Microsoft, and adding(creating) 3 coupons

Then trying to add (create) 1 exist coupon, should get a message that the coupon is exist.

Then login to 2nd company: google and adding(creating) 3 coupons

Then trying to add(create) 1 exist coupon from the coupons of Microsoft company, should get a message that the coupon is exist.

Database “company\_coupon” should have 6 rows of data.

Getting all the 3 companies and print them with their info

and print them with their info

***Test 4:*** getAllCompaniesTest

Getting all the companies and print them with their info and relevant coupons

***Test 5:*** getAllCustomersTest

Getting all the customers and print them with their info and relevant coupons purchased

***Test 6:*** PurchaseCouponsTest

Purchasing 4 coupons to Monder Customer, 1 coupon to Tariq Customer and 1 coupon to Majd Customer.

Monder coupons: microsoftcoupon1, microsoftcoupon2, microsoftcoupon3, googlecoupon1

Tariq coupons: microsoftcoupon2

Majd coupons: microsoftcoupon3

***Test 7:*** updateCompaniesTest

Updating companies google and intel, then print their info to see if changed

After finished updating will reset to the past info to continue the test

***Test 8:*** updateCustomersTest

Updating customers Tariq and Majd, then print their info to see if changed

After finished updating will reset to the past info to continue the test

***Test 9***: getCompaniesCouponsByTest

in this test, will get all the companies coupons by: Date, Price, type and printing their info

***Test 10:*** getCustomersCouponsByTest

in this test, will get all the customers coupons by: Price, type and printing their info

***Test 11:*** removeCustomersTest

In this test, will remove Majd customer and then print all customers to check

***Test 12:*** removeCompaniesTest

In this test, will remove Microsoft company and then print all the companies to check

Removing Microsoft company will lead to remove the coupons created by Microsoft, coupons that Microsoft created from customers\_coupon table that customers purchased and coupons from company\_coupon table

***Test 13:*** removeCouponsTest

In this test, will remove googlecoupon1 and then print all the companies info to check

Removing googlecoupon1 will lead to remove the coupon its self, the coupon from company\_coupon table and the coupon from customer\_coupon table

***Test 14:*** updateCouponsTest

In this test, will update googlecoupon2 info endDate and price

endDate will be updated to out of date, and will lead to remove the coupon by the DailyCouponExpirationTask Thread