Homework 2 sample scenario

A possible homework 2 demo scenario is as follows:

1. Run the client process with the connection parameters.

java Main.java localhost databasename username password

1. Use show tables command

SHOW TABLES

<table1\ntable2\n…>

1. Use load data command to load data in csv files (You can also preload the data before demo)

LOAD DATA

1. Use query # command and compare the results with the latest expected results

QUERY 1

QUERY 2

QUERY 3

QUERY 4

QUERY 5

1. Successfully insert a new Market (this can be different command in demo)

ADD MARKET(Whole Foods, Kordon Cd., 35020, Izmir, 5352443456, 15000000)

QUERY 8 // returns Whole foods in Izmir

…

Izmir;Whole Foods; Kordon Cd.

…

1. Successfully insert a multi-valued attribute

ADD FARMER (Ali, Tel, Tel sk., 01045, Adana, 5352323449|5352423459| 5352523449|5352623459, ali@sucu.com)

1. Registering non-existing product fails. (Due to foreign key constraint)

REGISTER PRODUCT(Yokum,Ben,Banana,10000,12,TR1234574440353610)

FAILED ERROR message…

1. Functional dependencies must hold

ADD MARKET(Whole Foods2,Kordon Cd.,35040,Izmir,5352443456,15000000)

FAILED ERROR message…

ADD MARKET(Whole Foods3,Kordon Cd.,35020,Sivas,5352443456,15000000)

FAILED ERROR message…

1. Successfully insert new Markets

ADD MARKETs(Whole\_Foods4,Kordon\_Cd.,35020,Izmir,5352453456,16000000):(Whole\_Foods5,Cikmaz\_Sk,06057,Ankara,5352463456,16000000)

QUERY 4 // returns

…

Izmir;Whole\_Foods4; Kordon\_Cd.

Ankara;Whole\_Foods5;Cikmaz\_Sk

…

QUERY 5 // returns

24 // 20 original csv users + 1 from 5 + 1 from 6 + 2 from 9

1. Close the application (via quit/exit command or ctrl+c) and rerun

QUERY 4 // returns

…

Izmir;Whole\_Foods4; Kordon\_Cd.

Ankara;Whole\_Foods5;Cikmaz\_Sk

…

QUERY 5 // returns

24

1. Multi-rows commands are transactional (atomic either commits or aborts all)

ADD MARKETs(Whole\_Foods6,Kordon\_Cd.,35020,Izmir,5352483456,19000000):(Whole\_Foods7,Cikmaz Sk,06059,Sivas,5352463456,18000000)

QUERY 4 // returns Whole foods in Izmir

…

Izmir;Whole\_Foods4; Kordon\_Cd.

Ankara;Whole\_Foods5;Cikmaz\_Sk

…

QUERY 5 // returns

24 // 20 original csv users + 1 from 5 + 1 from 6 + 2 from 9