DB Irate Testing Plan

Testing strategy

The Testing strategy is to use Junit to test the following things:

1 inserting data to tables
    1.1 if data can be inserted
        if not, a message will pop out
        cases included: rating INT NOT NULL, UNIQUE (movie_id, customer_id),
etc.
        ex: Gotcha, invalid input from customer.txt : [Fake, I am a Fake,
2013-11-01 21:01:20]
    1.2 if invalid email will be deleted
        ex: Fake,I am a Fake,2013-11-01 21:01:20 (invalid email)
    1.3 the size of inserted data:
        ex:
            Attendance size is 9
            Customer size is 10
            Movie size is 10
            Review size is 8
            Endorsement size is 8

3. Review constraints and triggers:

  invalid insertion will be deleted

    3.1 Test a customer can only have one review on one movie.
    ex: 1004,10004,2019-01-23 11:11:11,3,CANT review it twice

    3.2 Test a customer can not review a movie if he/she did not watch that

movie.
ex:1010,10007,2019-01-22 11:11:11,0,I didn't see the movie

3.3Test insert review after 7 days reviews created.
ex:1009,10009,2019-06-30 11:11:11,2,More than 7 days

4. testEndorsementLimit:

invalid insertion will be deleted

4.1 Test a customer cannot endorse his/her own review.
ex:
endorse: 100003,1004,2019-01-28 23:03:21
(review id : 100003)review: 1004,10004,2019-01-22 11:11:11,3,too
bad
(same Customer id 1004)

4.2 Test a customer can not endorse the review that is created 3 days ago.
ex:
endorse:100002,1001,2018-12-04 23:03:22
review: 1003,10003,2018-12-05 11:11:11,2,Class

4.3Test a customer can not endorse a review twice on the same day.
ex:
100001,1001,2018-12-03 23:03:22
100001,1001,2018-12-03 23:03:21

5. test Delete CASCADE

5.1 If a customer is deleted, all of his or her attendances, reviews and
endorsements are deleted.

5.2 If a movie is deleted, all of its attendances and reviews are deleted.

5.3 If a review is deleted, all endorsements are also deleted.

6. test freeItem
    6.1 no winner
        ex: String date3="2015-01-31";

    6.2 winner
        ex: String date2="2019-01-24";

7. test freeTicket

    7.1 no winner
        ex: String date6="2019-2-26";
    7.2 winner
        ex: String date4="2018-12-04";