BBM473: Database Laboratory Final Project
Phase-2: Development

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1- Functionality of Each Procedure & View

Views:

1- First of them finds products that which sales more and also totally makes money more. This can be used to develop marketing strategies.
2- Second one finds best customers who buy more. Shop owners can use this information to prevent losing these valuable customers.
3- Third one checks stocks of products with using categories. This one is important too since 'out-of-stocks' is really annoying to customers.
4- Fourth one checks whether deliveries completed. This one can be used for tracking performance of cargo companies. (Platin ve premium customers has maximum days that take delivery.)
5- Last one checks whether is there any order that doesn't given to cargo (in other words products are ordered but not given to cargo yet). This important in order to increase performance.

Procedures:

SQLite doesn't support stored procedures -see references part-. Therefore i'll take care of that in application part.

2- Revision of Tables

Some mistakes which are caused by carelessness and a few bugs of lucidheart are corrected. For example data types are corrected in some tables. Also stock info added to product table. There are just a few small changes (it will be more accurate if we say 'corrections').

3- Conditions That Need To Satisfied

✅ *Obtain SQL statements of your database you created for drawing ER model in previous assignment.*

(In the create.sql file, all tables are created with using ER diagram.)

✅ *Create sequences and triggers for automatically incrementing primary key fields in your tables.*

(In the create.sql file, this condition satisfied not with using long triggers but with using special "AUTO_INCREMENT" keyword of SQL.)

✅ *Generate insert, update and delete stored procedures for all tables in your database.*

(SQLite doesn't support stored procedures -see references part-, therefore i added records manually.)

✅ *Insert minimum 10 records to all tables via the procedures.*

(178 records are added to 20 tables, approximately 9 records per table.)

✅ *Determine probably frequently-used SQL statements in your project, and place them in views (at least 5 views) some of which should contain Aggregate Functions.*

(5 views added. All of these views will be used in admin panel of our project. Also some of these includes several aggregate functions.)

4- References

- SQLite Doesn't Support Stored Procedures:

SQLite has had to sacrifice other characteristics that some people find useful, such as high concurrency, fine-grained access control, a rich set of built-in functions, stored procedures, esoteric SQL language features, XML and/or Java extensions, tera- or peta-byte scalability, and so forth.

[https://stackoverflow.com/questions/3335162/creating-stored-procedure-and-sqlite]