Kitap Market DATABASE System

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Kitap Market

For bookworms only



Brand colors



#ecd7a4 #9f763a #aa8349 #b59158 #c09f67



Business Process:

Our project's main goal is to implement a database for an online bookstore called 'Kitap Market'.

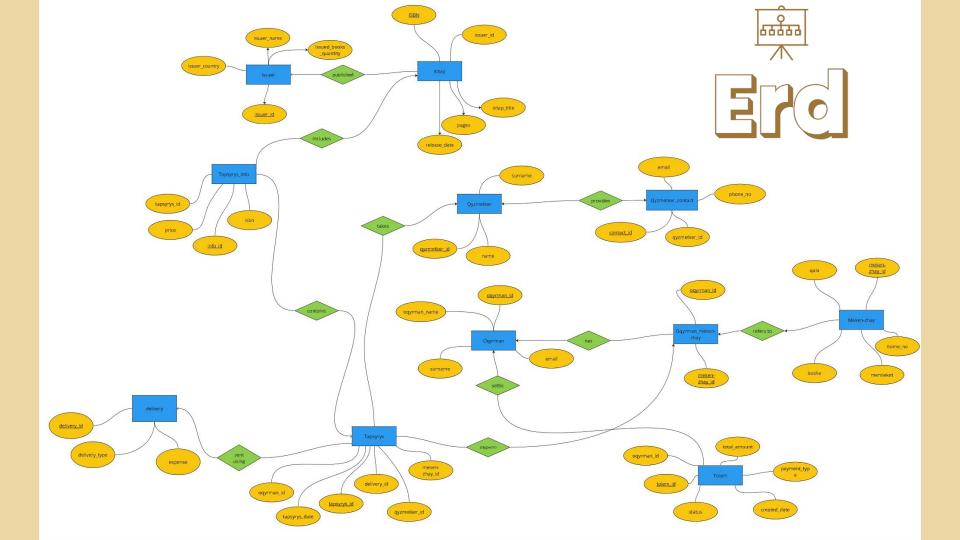
Firstly, book issuers are supplying us with books they published. After that, customers, readers could order books from our market after they chose what they liked. In order to be executed bookstore administrators must know addresses of their customers, we must mention that one reader could have more than one living address. So, the customer is making an order, and our employee takes that order, after all operations are correct, the reader makes a payment. Every employee in our company has unique contacts. After all these operations are executed we start to deliver our customers' orders with any type or transportation. And finally, we have happy readers and happy company.

EXPLANATION OF OUR ERD

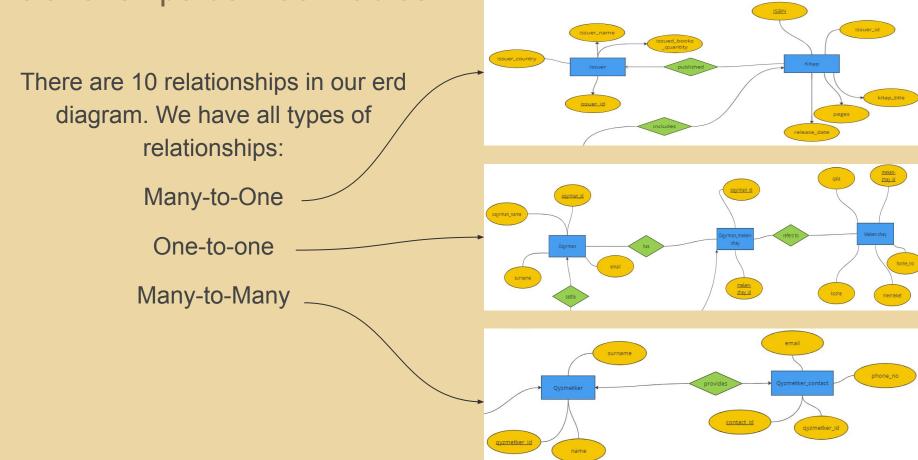
An ER diagram graphically represents the entities of a subject area, the attributes of the entities and the relationship between them

We're going to design an ER or entity-link diagram, break down the different types of links, and visualize them using an example. After all, a picture is always clearer than text.

ERD attributes characterize entities, allowing users to better understand the structure of the database. The attributes contain information about the entities highlighted in the conceptual ER diagram.



Relationships between tables





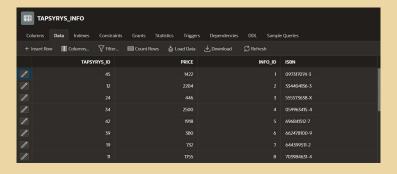
There are 11 tables in total, here are the first 5 tables











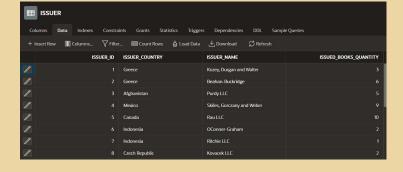
OQYRMAN Columns Data Indexes Constraints Grants Statistics Triggers Dependencies DDL Sample Queries						
+ Insert Row						
OQYRMAN_ID	OQYRMAN_NAME	SURNAME	EMAIL			
1	Cybil	Hastings	chastings0@ifeng.com			
2	Dahlia	Cicculini	dcicculini1@soundcloud.com			
7	Rosene	Gyse	rgyse2@symantec.com			
1	Swen	Vowdon	svowdon3@blinklist.com			
/	Shurlocke	Pagett	spagett4@homestead.com			
6	Charin	McKee	cmckee5@foxnews.com			
7	Jakob	Cuell	jcuell6@icio.us			
8	Mark	Andriulis	mandriulis7@imageshack.us			

Col		Constraints Grants Statis	ttics Triggers Dependenc	ies DDL. Sample Queries	
+ 1	nsert Row III) Columns	Filter 🗏 Count Rows	≛ Load Data ≛ Download	₿ Refresh	
	ISBN	ISSUER_ID	KITAP_TITLE	PAGES	RELEASE_DATE
1	097317074-3		Span	883	10/02/2020
	334404136-3		Voyatouch	415	04/14/2021
	555573638-X		Prodder	943	07/26/2020
	059963415-4		Fintone		06/13/2020
	696841512-7		Rank	1189	11/29/2020
1	662478100-9		Stronghold	1168	02/21/2021
1	644399511-2		Voyatouch		07/26/2020
1	703984631-4	18	Flexidy	641	03/31/2021

III DELIVERY						
Columns Data Indexes Constraints Gr	ants Statistics Triggers Dependencies DDL. Sample Queries					
+ Insert Row 🕼 Columns 🤻 Filter 🗏 Count Rows 🛔 Load Data 🕹 Download 🧬 Refresh						
DELIVERY_ID	DELIVERY_TYPE EXPENSE					
	3 669					
	2 720					
<i>l</i> 3	2 201					
	2 488					
-	3 667					
-	2 942					
7	3 651					
8	3 964					

III MEKEN_ZHAY							
Co	Columns Data Indexes Constraints Grants Statistics Triggers Dependencies DDL Sample Queries						
+	+ Insert Row 🔳 Columns 🎖 Filter 🗏 Count Rows 👙 Load Data 🕁 Download 💢 Refresh						
	MEKEN_ZHAY_ID	QALA	KOSHE	HOME_NO	MEMLEKET		
		Manat	Fairview	67574	Philippines		
1		Nikel'	Calypso	165	Russia		
1		Shuihu	Bunker Hill		China		
1		Santa Maria da Feira	Dryden		Portugal		
1		Dzików Stary	Summer Ridge		Poland		
1		Balangiga	Cody		Philippines		
		Anton	Hovde		Bulgaria		
		Dakhla	Roxbury	60244	Western Sahara		



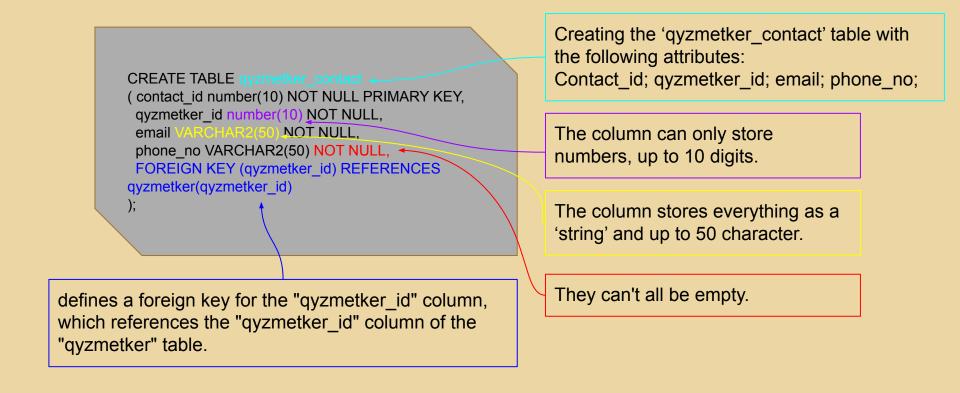




All the tables were created with the corresponding ERD diagram. And it has a logical relationship with each other. Each table has a primary key and some have a Unique case. Tables and data that are stored inside are a very important part of the DataBase. Because a table without data doesn't make sense. You also need to follow the rules so that everything works as it should.

Tables. Description

With the help of SQL queries, we created all these 11 tables. Each table contains 50 rows of data. Let's look at one of the SQL queries for creating a table.





Requests and functions that are available in our database

This process classifies our books FOR k IN (SELECT i.issuer name, COUNT(b.isbn) AS total books by publishers so INNER JOIN issuer i ON b.issuer id = i.issuer id that you can view GROUP BY i.issuer name ORDER BY total books) how many books DBMS OUTPUT.PUT LINE(k.issuer name | | ' issued ' | | k.total books | | ' kitap.'); from each publisher we have in our store. kitap by issuer; In order to do this. we use an INNER JOIN to integrate the data from the KITAP and ISSUFR tables. Then we merely use GROUP BY to sort by issuers. To Explain Results Describe Saved SQL History order publishers by Describe Will Group issued 1 kitap. the quantity of Schaden-Lowe issued 1 kitap. Nitzsche-Waters issued 1 kitap. books they have Cummings, Hoppe and Stroman issued 1 kitap. published, use Hamill, Boyle and Kshlerin issued 1 kitap. Kilback, Crist and Bergnaum issued 1 kitap. ORDER BY Emard, Paucek and Cummerata issued 1 kitap. Kozey, Durgan and Walter issued 1 kitap. Toy and Sons issued 1 kitap. Here is sample McGlynn-McCullough issued 1 kitap. query for checking Koepp and Sons issued 1 kitap. Schiller, Fadel and Marks issued 1 kitap. this procedure: Orn and Sons issued 1 kitap. **BEGIN** Champlin-Ullrich issued 1 kitap. Deckow, Batz and Goodwin issued 1 kitap. kitap by issuer; Ritchie, Heidenreich and Smith issued 1 kitap. Walsh, Marquardt and Morar issued 1 kitap. END: Hills Group issued 1 kitap. Bednar, Rippin and Streich issued 1 kitap.

reate or replace PROCEDURE kitap_by_issuer IS

```
create or replace FUNCTION count_ogyrmans
RETURN NUMBER
 t count NUMBER;
 SELECT COUNT(*) INTO t count FROM ogyrman;
 RETURN t count;
```

We must establish a variable (in this case, t count) number in order to save the total number of purchasers. The number of rows (or purchasers, depending on your perspective) is then saved in our newly generated variable using COUNT(*). Then we give it back. That is how our role operates.

This function totals the number of active

clients that are listed in our database.

```
o counts number(2);
          o counts := count ogyrmans();
          dbms_output.put_line('Total number of Ogyrmans: ' || o_counts);
         Explain Describe
                           Saved SQL
                                        History
Total number of Ogyrmans: 20
Statement processed.
```

```
create or replace PROCEDURE issuer_updating (
    c_issuer_id IN Issuer.issuer_id%TYPE,
    c_issued_books_quantity IN Issuer.issued_books_quantity%TYPE

)
IS
BEGIN
    UPDATE Issuer
    SET issued_books_quantity = c_issued_books_quantity
    WHERE issuer_id = c_issuer_id;
    DBMS_OUTPUT.PUT_LINE('Number of rows affected: ' || SQL%ROWCOUNT);
END;
```

The number of updated publisher data is counted in this method. The technique counts the number of modified rows whenever a publisher makes a new book available for purchase or withdraws an existing title from sale.

To accomplish this, we require the incredibly useful system function SQL%ROWCOUNT, which returns the number of rows that the query has touched.

```
c koshe Meken zhay.koshe%type;
c_home_no Meken_zhay.home_no%type;
c qala Meken_zhay.qala%type;
c memleket Meken Zhay.memleket%type;
ex_short_street_name EXCEPTION;
FOR i IN (SELECT meken zhay id, koshe, home no, gala, memleket FROM Meken zhay ORDER BY meken zhay id)
   c koshe := i.koshe:
  c home no := i.home no;
   c qala := i.qala;
   c memleket := i.memleket;
   IF LENGTH(c koshe) < 3 THEN
    RAISE ex short street name;
     DBMS OUTPUT.PUT LINE ('Street: ' | c koshe);
     DBMS OUTPUT.PUT LINE ('Home number: ' || c home no);
     DBMS OUTPUT.PUT LINE ('City: ' | c qala);
     DBMS_OUTPUT.PUT_LINE ('Country: ' || c_memleket);
WHEN ex short street name THEN
   dbms output.put line('Too short street name');
```

When you perform a SELECT query, the system raises an exception and displays a notice if it discovers a street name that is less than 6 characters long. We use a FOR loop to process our data in order to make the exception function. The query examines every line. If everything is in order, the query displays the user's complete address. An exception is thrown if the street has fewer than 6 characters.

```
c_koshe Meken_zhay.koshe%type;
         c_home_no Meken_zhay.home_no%type;
         c_qala Meken_zhay.qala%type;
         c_memleket Meken_Zhay.memleket%type;
         ex_short_street_name EXCEPTION;
         FOR i IN (SELECT meken zhay id, koshe, home no, gala, memleket FROM Meken zhay ORDER BY meken zhay id)
             c koshe := i.koshe:
             c_home_no := i.home_no;
Results Explain Describe Saved SOL History
City: Shuihu
Country: China
Street: Dryden
Home number: 69
City: Santa Maria da Feira
Country: Portugal
Street: Summer Ridge
Home number: 51
City: Dzików Stary
country: Poland
oo short street name
```

```
1 create or replace TRIGGER tolem_trig
2 BEFORE INSERT ON Tolem
3 FOR EACH ROW
4 DECLARE
5 ccount number;
6 PRAGMA AUTONOMOUS_TRANSACTION;
8 BEGIN
8 SELECT COUNT(*) into ccount
9 FROM TOLEM;
10 commit;
11 DBMS_OUTPUT.PUT_LINE('Number of rows in Payment table: ' || ccount);
12 END;
```

Before a new row is added to the TOLEM table, this trigger is fired. i.e., the payment information is written to the table when the customer makes a payment. Additionally, a trigger is activated to count all payments prior to

```
1 INSERT INTO Tolem(oqyman_id, tolem_id, status, total_amount, payment_type, credit_date)
2 VALUES(17, 51, 'paid', 2000, 'credit card', '09/04/2022');

Results Explain Describe Saved SQL History

Number of rows in Payment table: 50
1 row(s) inserted.
```



We created this database for Kitap Market bookstore. It will be used for both administrators and workers. We believe that this database is optimized and user-friendly for this database.

Thank you for your attention. This concludes our presentation.