

Final Schema

מקרא

+

- קשר בודד מחייב

+

- קשר בודד לא מחייב

>

- קשר מרובה מחייב

>

- קשר מרובה לא מחייב

PK

- מפתח ראשי

FK

- מפתח משני

| Authors |                        |
|---------|------------------------|
| PK      | First Name VARCHAR(25) |
| PK      | Last Name VARCHAR(25)  |
| PK      | book_name varchar(60)  |

| Publisher |                        |
|-----------|------------------------|
| PK,FK     | book_name varchar(60)  |
| PK        | brand_name VARCHAR(30) |
| PK        | publish_year YEAR      |

| Translator |                        |
|------------|------------------------|
| PK,FK      | book_name varchar(60)  |
| PK         | First_name VARCHAR(25) |
| PK         | Last_Name VARCHAR(25)  |

| Delivery |                              |
|----------|------------------------------|
| PK       | delivery_id SMALLINT         |
| FK       | shpping_method VARCHAR(15)   |
|          | shipping_company VARCHAR(20) |
|          | delivery_date DATE           |
|          | shipping_status VARCHAR(15)  |

| delivery_payment |                      |
|------------------|----------------------|
| PK, FK1          | delivery_id SMALLINT |
| FK2              | pay_date DATE        |

| delivery_address |                      |
|------------------|----------------------|
| PK, FK           | delivery_id SMALLINT |
|                  | city varchar(20)     |
|                  | street varchar(20)   |
|                  | number SMALLINT      |

| Books |                        |
|-------|------------------------|
| PK    | Book_id SMALLINT       |
|       | book_name varchar(60)  |
|       | book_state varchar(10) |
|       | Weight DECIMAL(6,2)    |
|       | Pages SMALLINT         |

| book_sale |                      |
|-----------|----------------------|
| PK, FK1   | Book_id SMALLINT     |
| FK2       | deal_id SMALLINT     |
| FK3       | delivery_id SMALLINT |
| FK4       | customer_id SMALLINT |
|           | book_price SMALLINT  |

| Deals |                            |
|-------|----------------------------|
| PK    | deal_id SMALLINT           |
|       | total_pay SMALLINT         |
|       | payment_method VARCHAR(15) |
|       | deal_date DATE             |

| Payments |                        |
|----------|------------------------|
| PK       | pay_date DATE          |
|          | rent_bill SMALLINT     |
|          | water_bill SMALLINT    |
|          | electric_bill SMALLINT |
|          | cellular_bill SMALLINT |
|          | phone_bill SMALLINT    |
|          | variants_bill SMALLINT |

| warehouse |                  |
|-----------|------------------|
| PK,FK     | Book_id SMALLINT |
|           | date_in DATE     |
|           | date_out DATE    |

| Inventory |                  |
|-----------|------------------|
| PK,FK     | Book_id SMALLINT |
|           | Date_stored DATE |

| Store_purchase |                    |
|----------------|--------------------|
| PK, FK         | Book_id SMALLINT   |
|                | Price SMALLINT     |
|                | purchase_date DATE |

| book_order |                      |
|------------|----------------------|
| PK, FK1    | Book_id SMALLINT     |
| FK2        | Customer_id SMALLINT |
|            | Informed_date DATE   |
|            | order_date DATE      |

| Customer |                            |
|----------|----------------------------|
| PK       | Customer_Id SMALLINT       |
|          | First_name varchar(25)     |
|          | Last_name Varchar(25)      |
|          | Cellular VARCHAR(14)       |
|          | Landline_Phone VARCHAR(14) |

| Sales   |                  |
|---------|------------------|
| PK, FK1 | deal_id SMALLINT |
| FK2     | emp_id SMALLINT  |

| Salaries |                      |
|----------|----------------------|
| PK, FK1  | emp_id SMALLINT      |
| PK, FK2  | pay_date DATE        |
|          | total_hours SMALLINT |

| Employee |                        |
|----------|------------------------|
| PK       | emp_id SMALLINT        |
|          | city VARCHAR(20)       |
|          | street VARCHAR(20)     |
|          | first_name VARCHAR(25) |
|          | last_name VARCHAR(25)  |
|          | cellular VARCHAR(14)   |