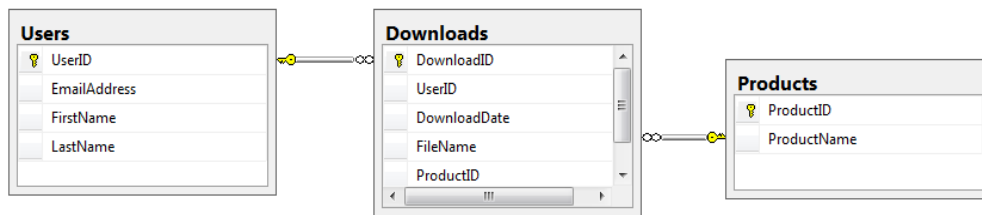


Chapter 11/12/13

How to create a database and its tables with SQL statements and Management Studio; How to work with views

Exercises

1. **(50 Points)** Write a script that implements the following design in a database named **MyWebDB**:



In the Downloads table, the UserID and ProductID columns are the foreign keys.

Include a statement to drop the database if it already exists.

Include statements to create and select the database.

Include any indexes that you think are necessary.

2. **(15 Points)** Write an ALTER TABLE statement that adds two new columns to the Products table created in exercise 1.
3. **(20 Points)** Create a view named v_OrderItemProducts that returns columns from the Orders, OrderItems, and Products tables.

This view should return these columns from the Orders table: OrderID, OrderDate, TaxAmount, and ShipDate.

This view should return these columns from the OrderItems table: ItemPrice, DiscountAmount, FinalPrice (the discount amount subtracted from the item price), Quantity, and ItemTotal (the calculated total for the item).

This view should return the ProductName column from the Products table.

4. **(15 Points)** Create a view named v_ProductSummary that uses the view you created in exercise 3. This view should return some summary information about each product.

Each row should include these columns: ProductName, OrderCount (the number of times the product has been ordered), and OrderTotal (the total sales for the product).