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(class diag + seq)

1. Create an MVC architecture of an ordering process and write the corresponding code. **20%**
2. We will implement a simple Shopping Cart where we have two payment methods – using Credit Card or using Paypal. The Shopping Cart is to hold the selected Items. Please draw the class diagram and write the code. **15%**
3. Apply the Law of Demeter (LoD) to explain each situation in the order system. **10%**
4. Objects which conform to a particular interface can support a form of "loose coupling." Use an example of the order system to describe it with the class diagram. **10%**
5. There are seven types of cohesion, including: functional, sequential, communicational, procedural, temporal, logical, and coincidental. Now we have an exception handler that does the tasks:
 - Closes all open files
 - Creates an error log
 - Notifies user
 - Lots of different activities occur, all at the same time
 - 1) What is the type of cohesion for this case? **2%**
 - 2) To make it better, we need to revise the design. If you can do it, please draw the class diagram. **10%**
6. The following is an example of Customer table, please use normalization rule to create first normal form, second normal form, and third normal form. Please **add necessary attributes** to the normalized form. You need to identify primary and foreign keys. **10%** Use this example to explain what referential integrity is. **3%**

C_id	C_name	C_address	C_favmusic	...
...

Unrelated

key value