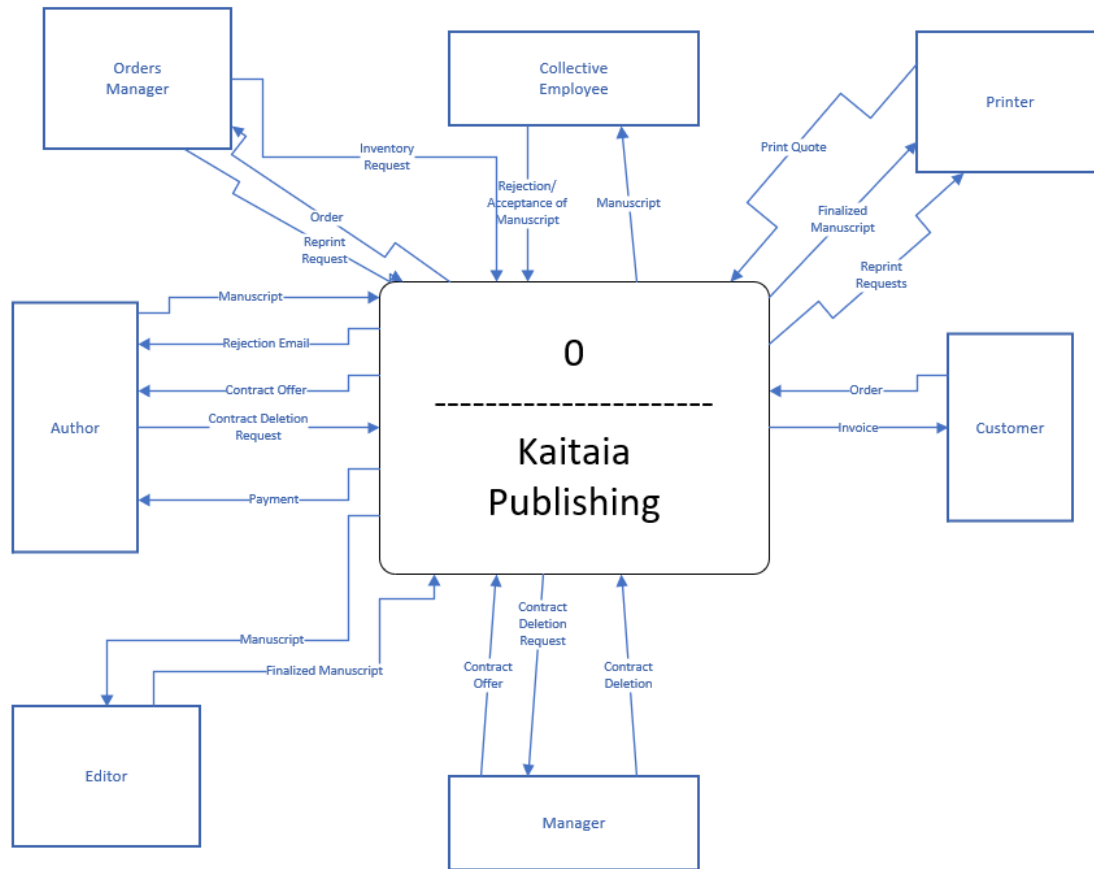


Kaitaia Publishing Collective  
Haris Khan, Konan Kouame, Ryan Horwitz, Benjamin Jackson  
CSC 4700 Systems Design & Implementation  
Fitchburg State University

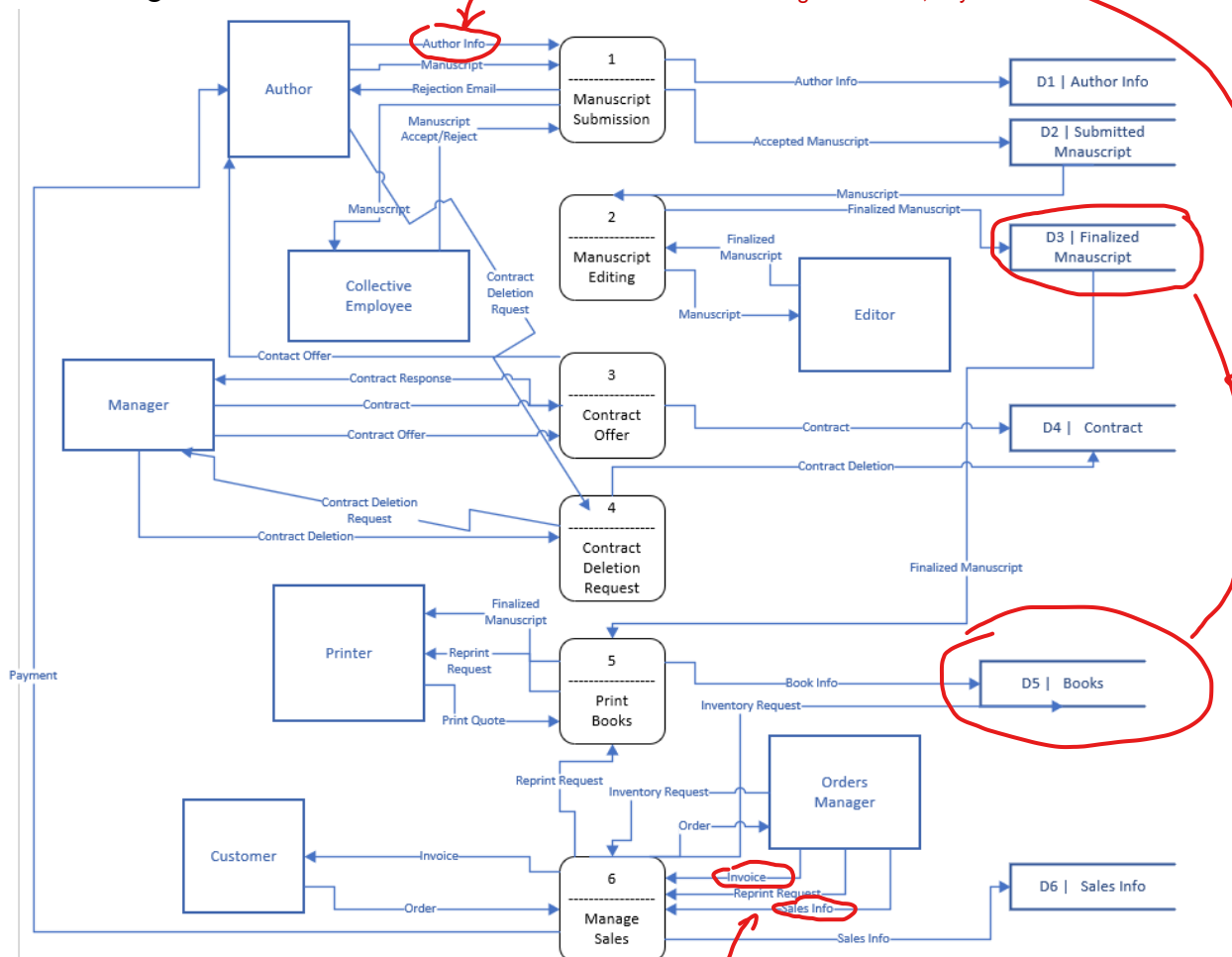
When analyzing our DFD diagrams from the last semester, the decision was made that we would need to overhaul our original system design in order to better meet the needs of Kaitaia Publishing. We recreated the DFD diagrams so that they better represented the functions we wanted our system to be able to perform, and what entities would be interacting within that system. There are now six level-one diagrams that detail the processes taken throughout the system, which include: initial manuscript submission, manuscript editing, contract creation, the ability for the author to delete their contract, managing print jobs, and managing orders and sales.

## Context Diagram:



"Author" Info is not shown in the Context Diagram

Level 0 Diagram:

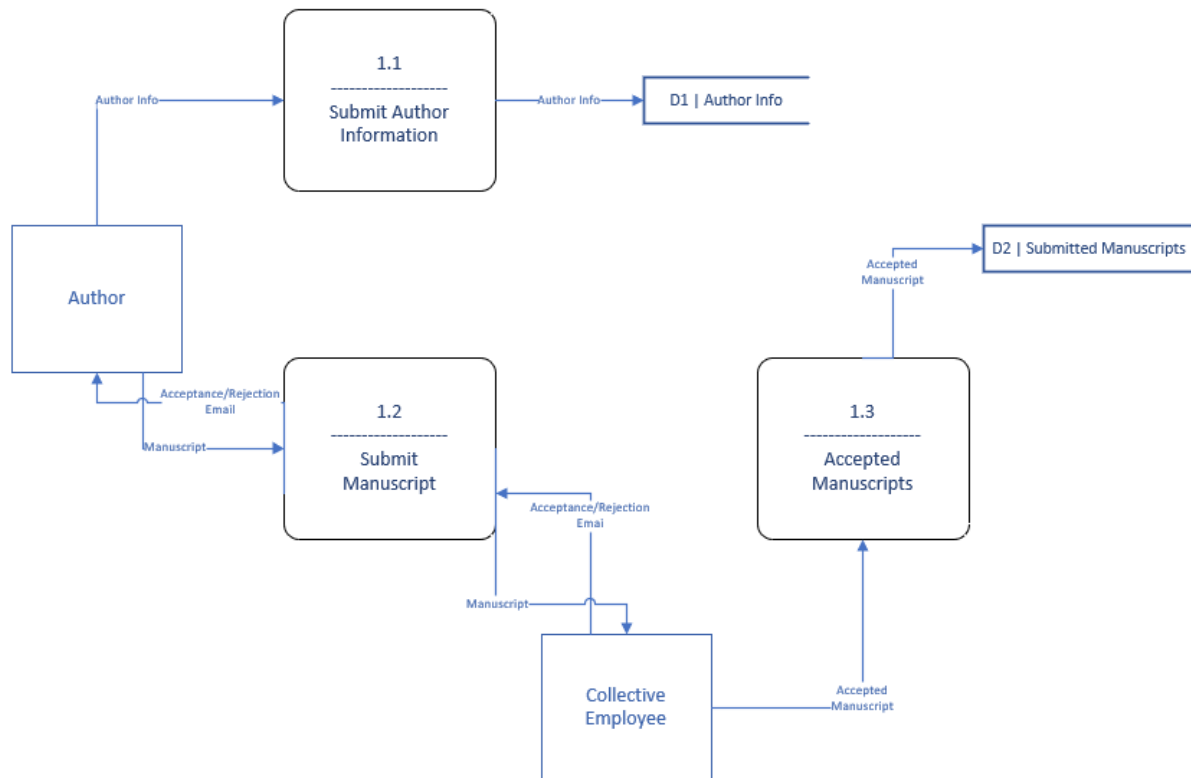


"invoice" and "Sales Info" are not shown in the context diagram.

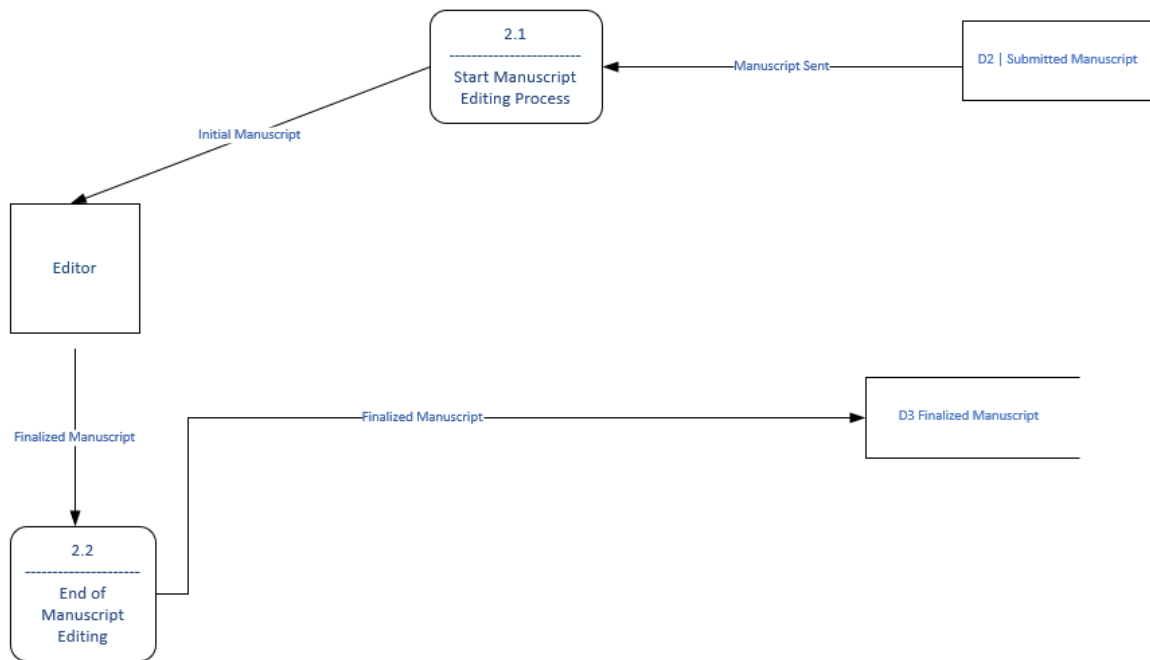
Comment: You have done a good job revising the DFDs.

Level 1 Diagrams:

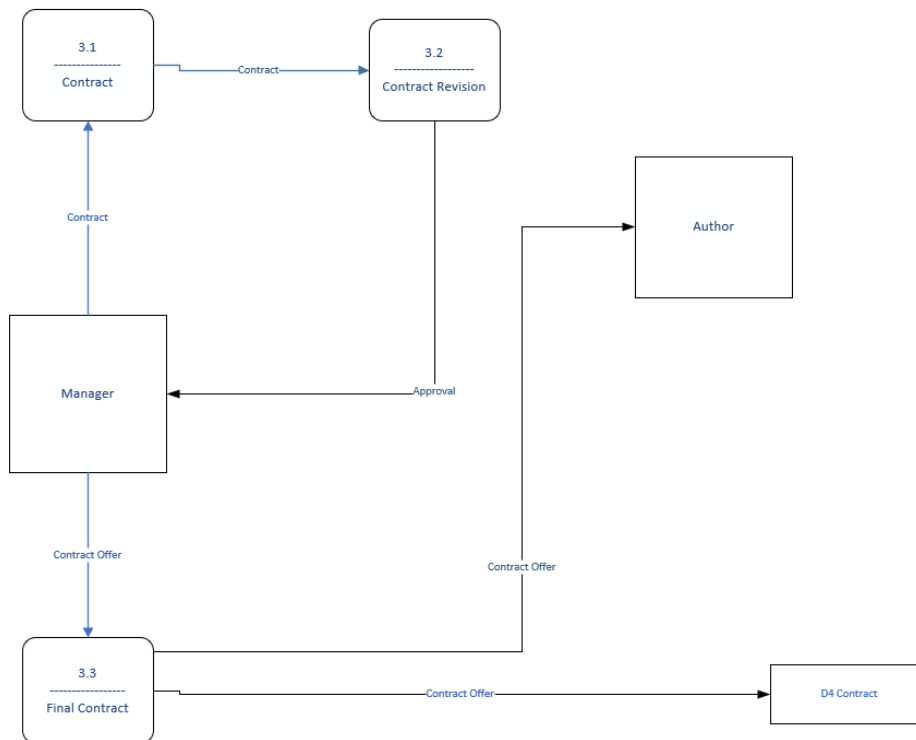
Manuscript Submission:



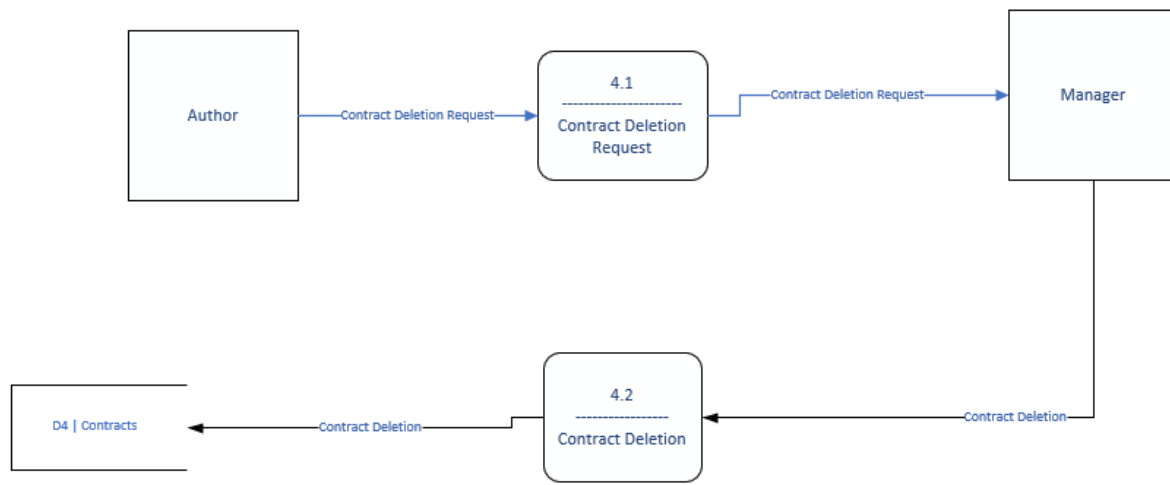
## Manuscript Editing:



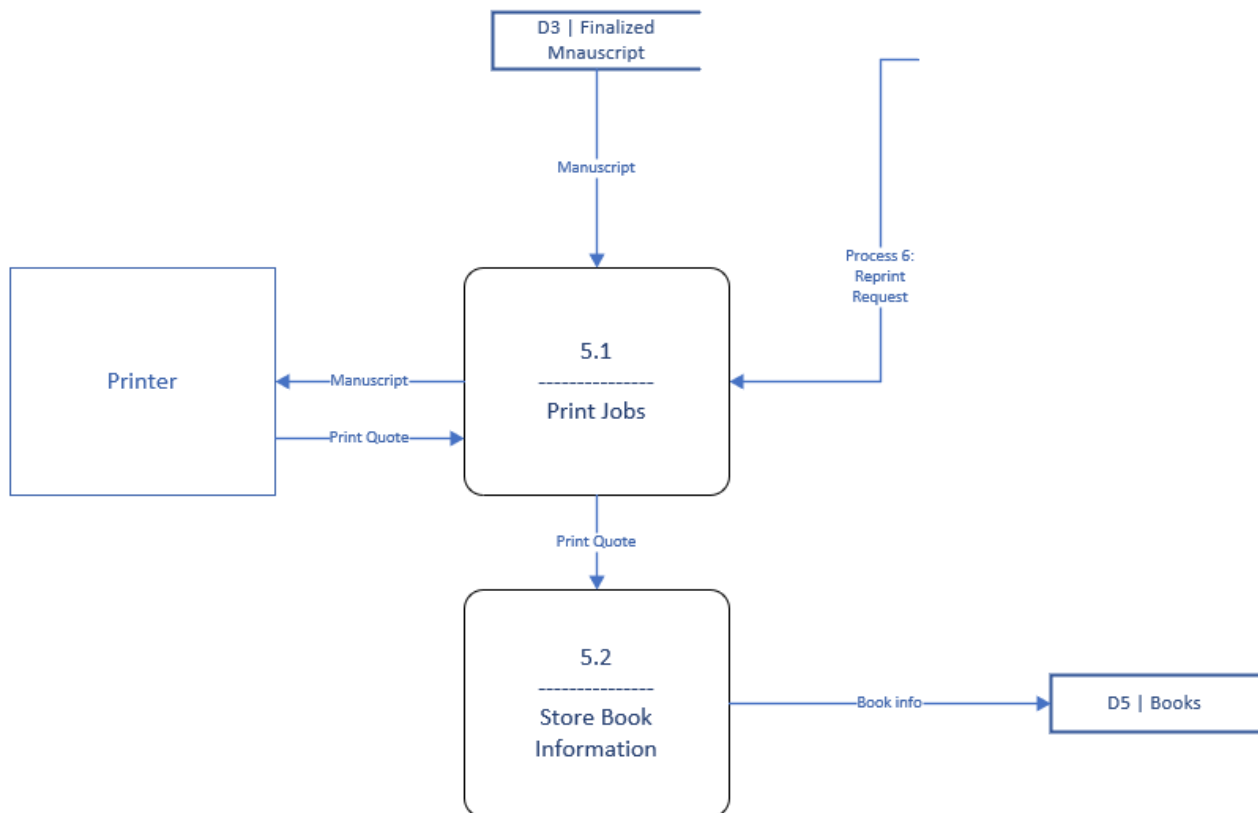
## Contract Creation:



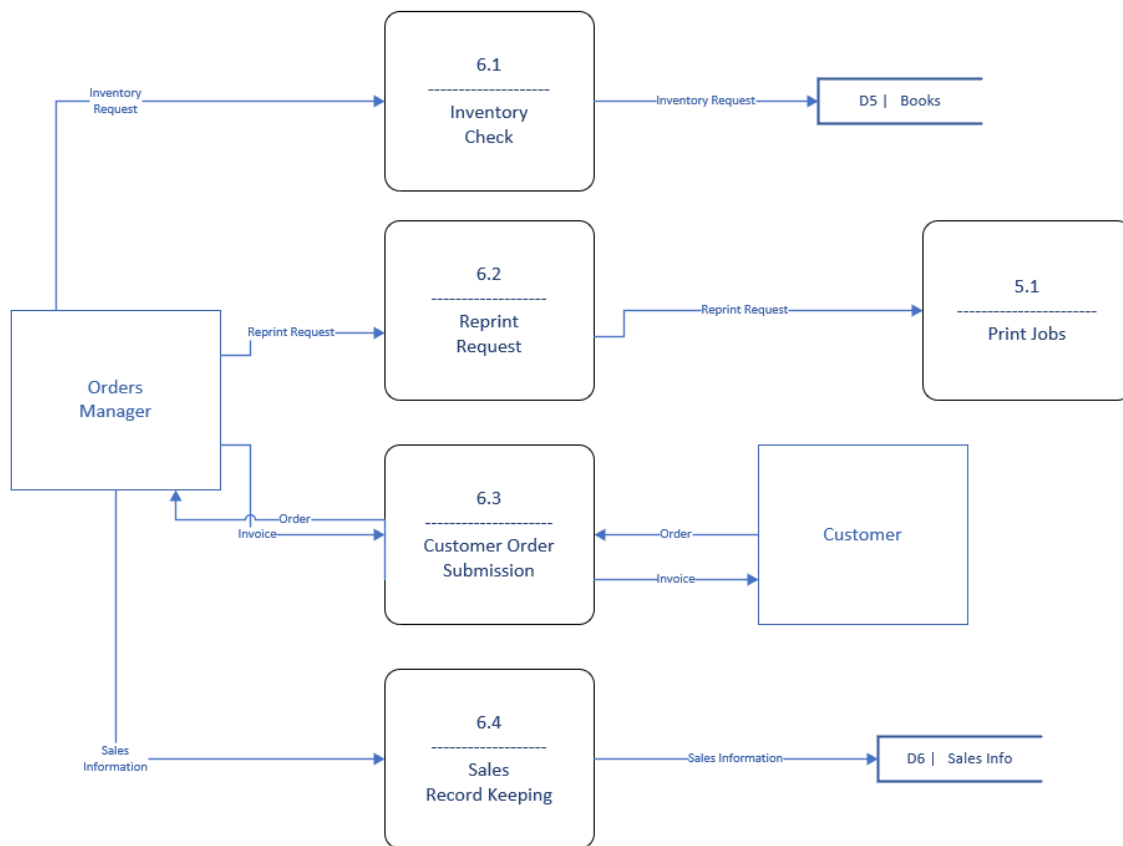
## Contract Deletion:



## Managing Print Jobs:



## Managing Orders and Sales:



For our ERD, we decided to use some of the entities used for the diagram flow diagram. The reason is to show that there is a pattern between both them. Also, we are making sure that the entities represent everything in terms of a roadmap for the Kaitaia Publishing Collective. The entities are linked together through relationships. These relationships help define each entity individually and the way they correspond to each other. This ERD provides an accurate visual representation of the relationships within Kaitaia and the system put in place.



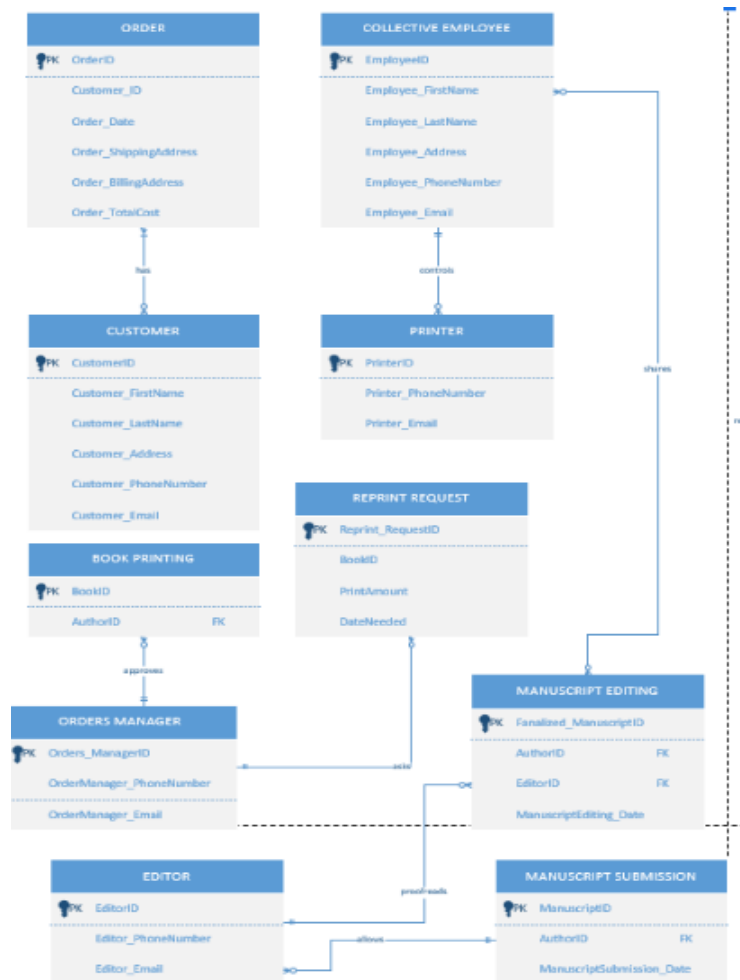
Comment: You should combine all the relationship parts.

Comment: The entity "Manager" may not be needed as there is only one instance at the time.

Relationship Part I:



## Relationship Part II:

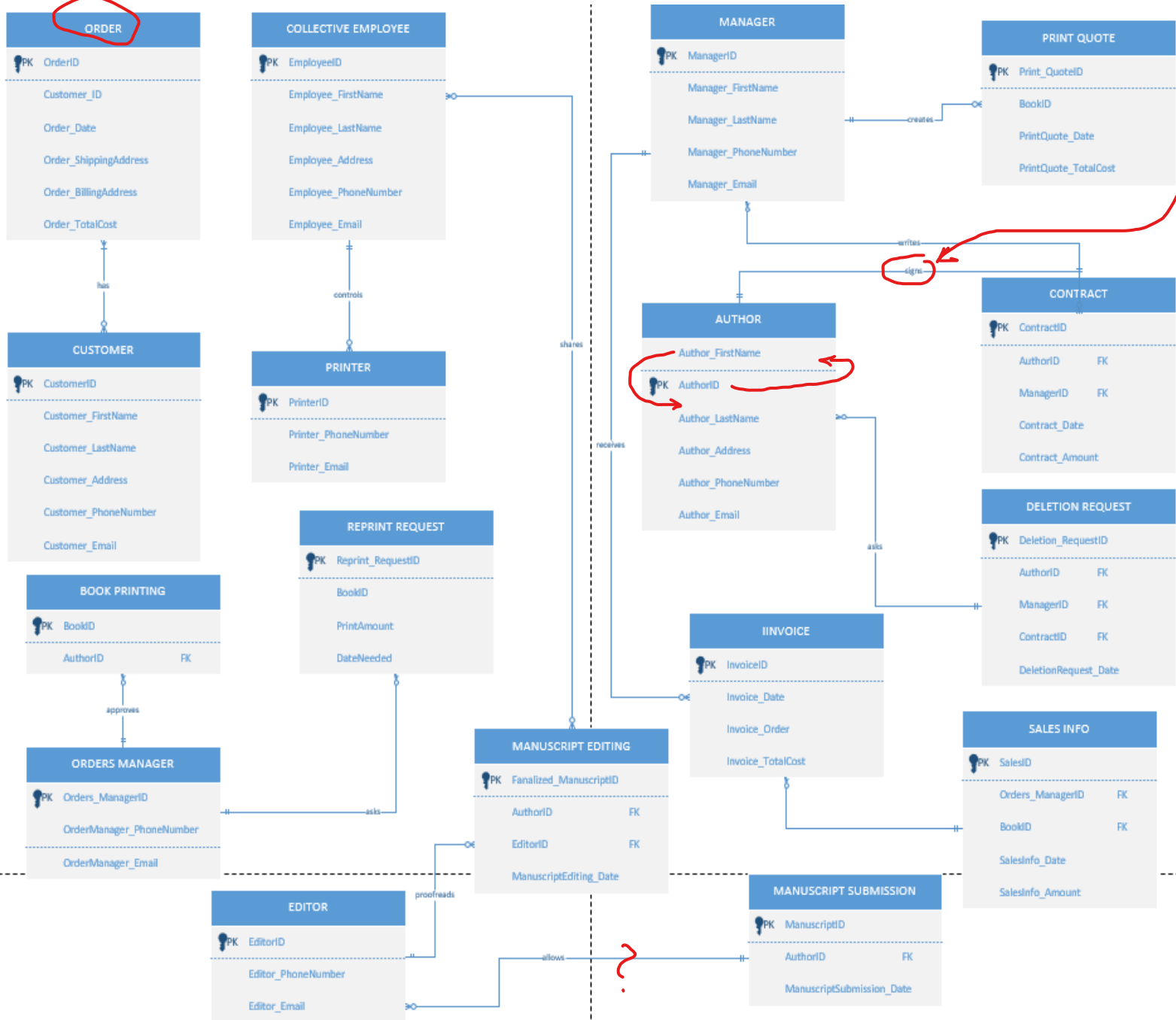


Comment: "Manuscript Submission" could be just "Manuscript" and "Manuscript Editing" serves as an artificial entity linking "Manuscript" and "Collective Member".

## Entity Relationship Diagram:

Comment: "Order" should have relationship with "Book" and include the attributes: Book\_ID and Order\_copies.

Comment: Since the contract should be related to each book, "Contract" should have relationship with "Book" not "Author".



"Manuscript" seems to have relationship with "Author" not "Editor"

