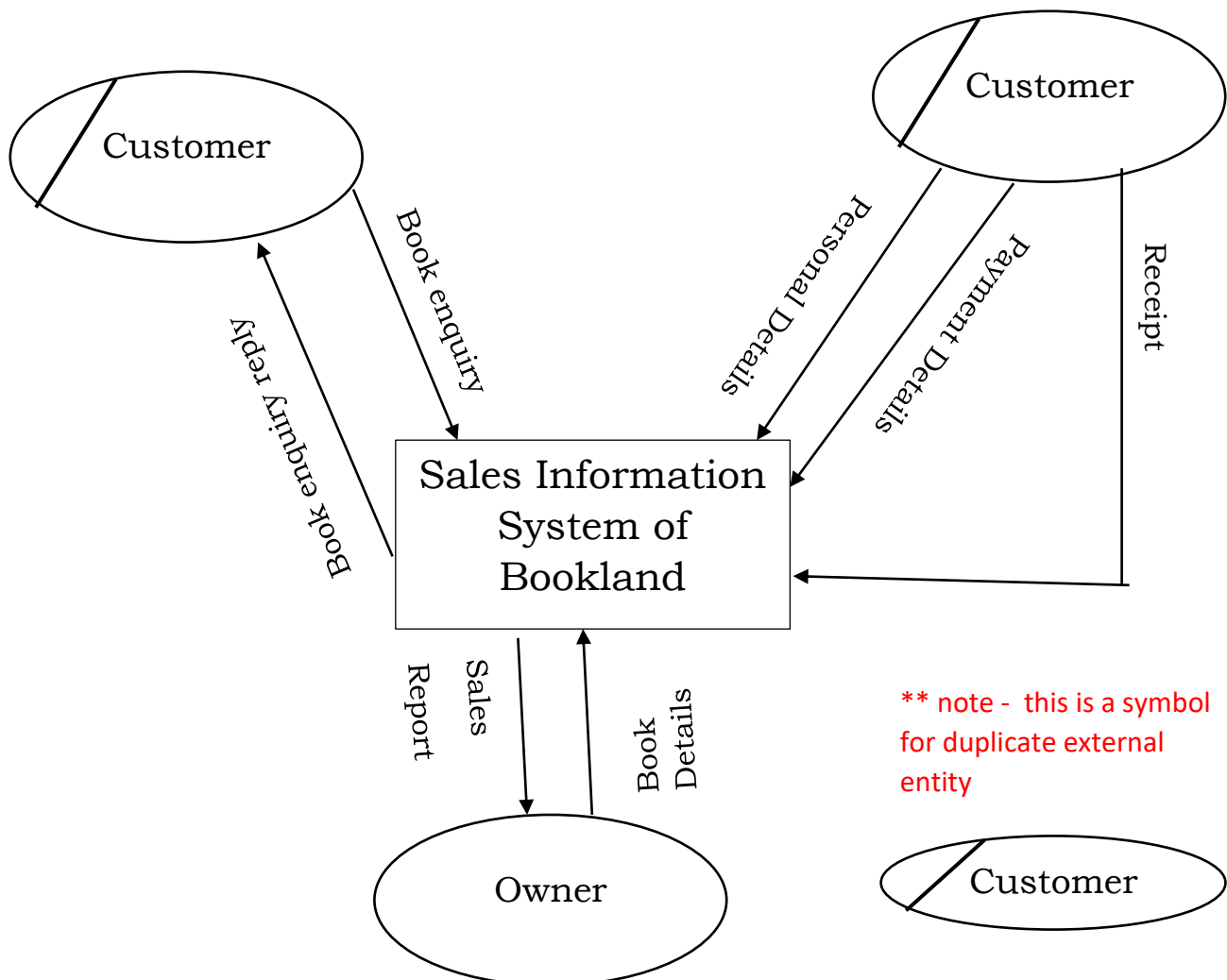


27th of January 2023 online lesson

Context diagram(Level 0 DFD) for Bookland Book store

Read the **Bookland Book store** story well and create a table as shown below.

| External Entity | Source (S)/ Recipient (R) | Data Flow |
|-----------------|------------------------------|--------------------|
| Customer | S | Book enquiry |
| Customer | R | Book enquiry reply |
| Customer | S | Personal details |
| Customer | S | Payment details |
| Customer | R | Receipt |
| Owner | R | Sales report |
| Owner | S | Book details |



Document Flow Diagram

- ❑ Acts as a bridge between the Context Diagram and the Level 1 DFD
- ❑ Illustrates physical documents passed in the system
- ❑ Documents could be
 - ❑ Papers
 - ❑ Conversations
 - ❑ Data passed between computers

How to draw a Document Flow Diagram?

- ❑ Identify **sources** and **recipients** of documents
- ❑ Identify the documents which connect them
- ❑ Represent both sources and recipients in external entity symbol
- ❑ Add data flow arrows to represent the documents connecting the sources and recipients
- ❑ Add **system's boundary** to exclude the external entities identified in the Context Diagram

Before draw the document flow diagram you have read the **Bookland Book store** story and create a table as follows.

| Source | Document | Recipient |
|-----------------|--------------------|-----------------|
| Customer | Book enquiry | Sales Assistant |
| Sales Assistant | Book enquiry reply | Customer |
| Customer | Personal details | Sales Assistant |
| Customer | Payment details | Cashier |
| Cashier | Payment receipt | Customer |
| Cashier | Sales report | Owner |
| Owner | Book details | Cashier |

