Level 2 DFD
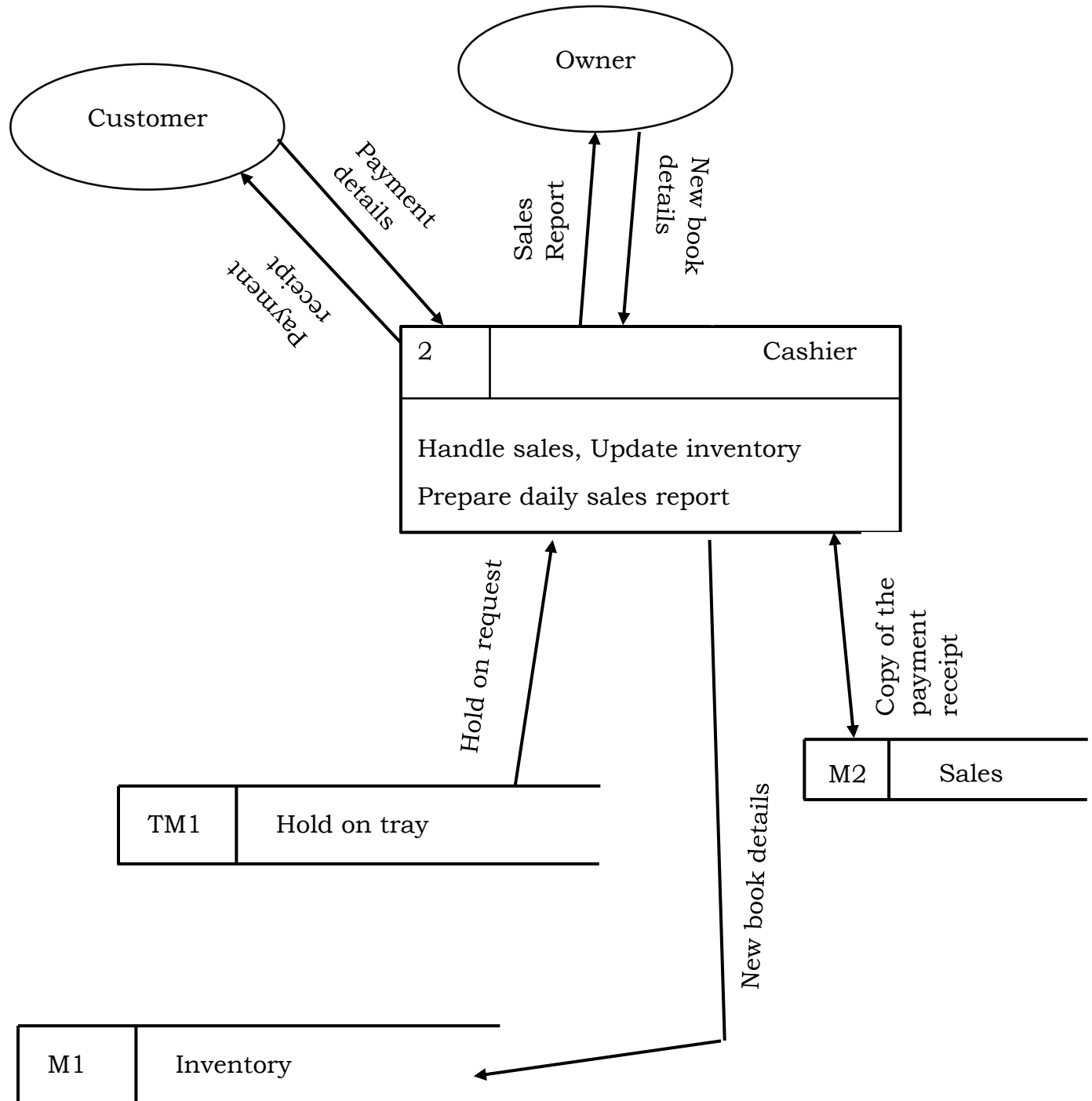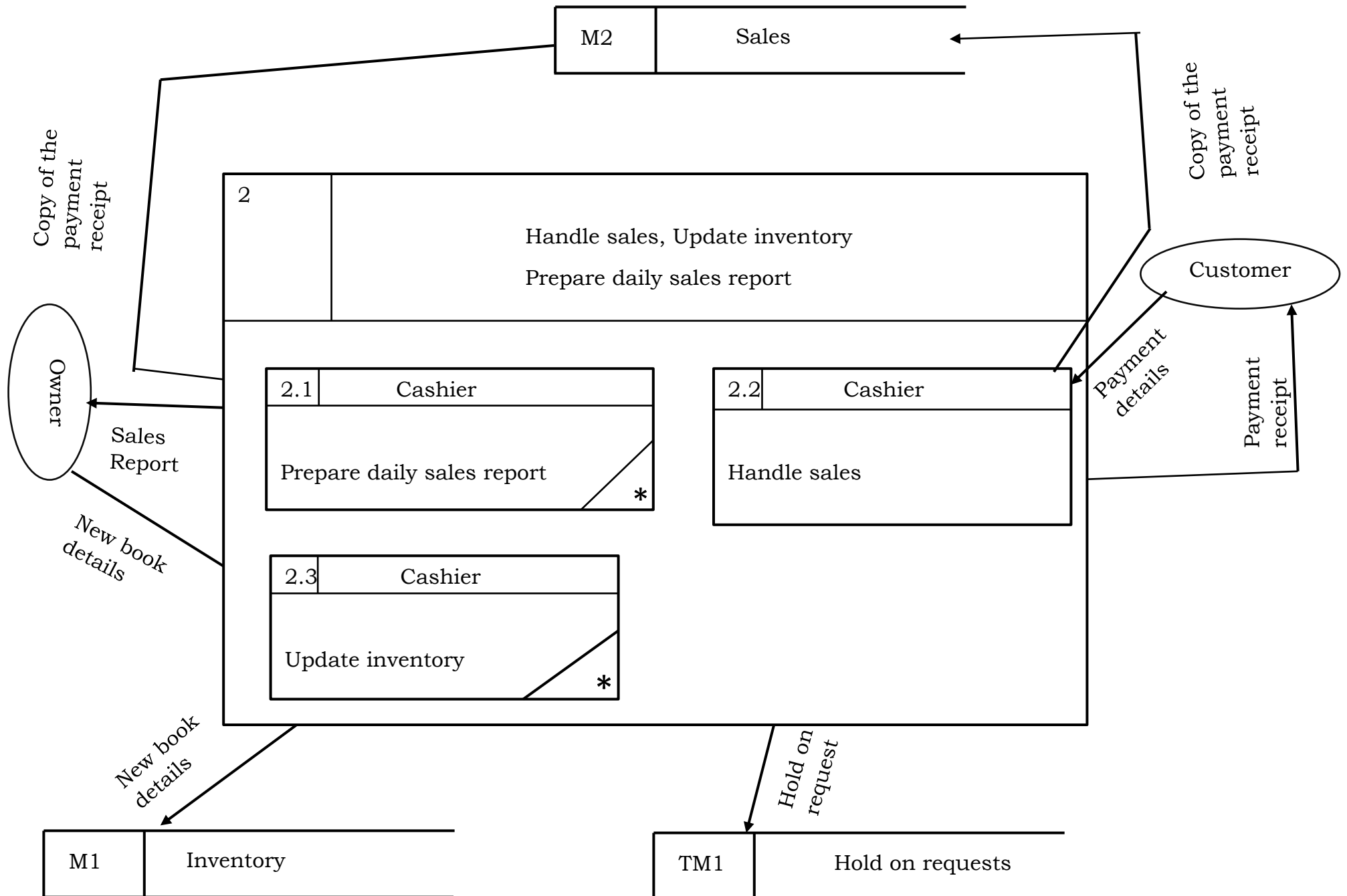
When you draw a Level 2 DFD,

❏ Id and Name of the higher level process should become the Id and Location of the lower level DFD

❏ Data Sources and Recipients of the higher level process should remain outside the boundary of the lower level DFD

❏ If higher level process N is decomposed,

   ❑ Its lower level processes are identified as N.1, N.2, …

   ❑ Its private data stores are labeled as Type N/1, Type N/2, …

Draw a Level 2 DFD according to the Level 1 DFD of the Bookland Book store.

For example, I'll consider here the process "Cashier" of the Level 1 DFD

Customer

Owner

Payment details

Sales Report

New book details

Payment receipt

2 | Cashier

Handle sales, Update inventory

Prepare daily sales report

Hold on request

Copy of the payment receipt

New book details

TM1 | Hold on tray

M2 | Sales

M1 | Inventory

Level 2 DFD of Cashier Process

M2	Sales

Copy of the payment receipt

Copy of the payment receipt

2	
	Handle sales, Update inventory
	Prepare daily sales report

Owner

Customer

2.1	Cashier
Prepare daily sales report	*

2.2	Cashier
Handle sales	

Payment details

Payment receipt

Sales Report

New book details

2.3	Cashier
Update inventory	*

New book details

Hold on request

M1	Inventory

TM1	Hold on requests

Elementary Process

Elementary process is already in a simple form. The process that does not need any further decomposition.

2.1	Cashier
Prepare daily sales report	*

Elementary process Description?

❑ Contains enough details for program specification
❑ Written in plain English or pseudo code

Elementary process Description
Process Id   : 2.1
Process Name: Prepare daily sales report
Description   : Triggered by end of the day routine. First, get relevant payment from M2 sales file. Then prepare daily sales report and send it to Owner