## 3. Library management System
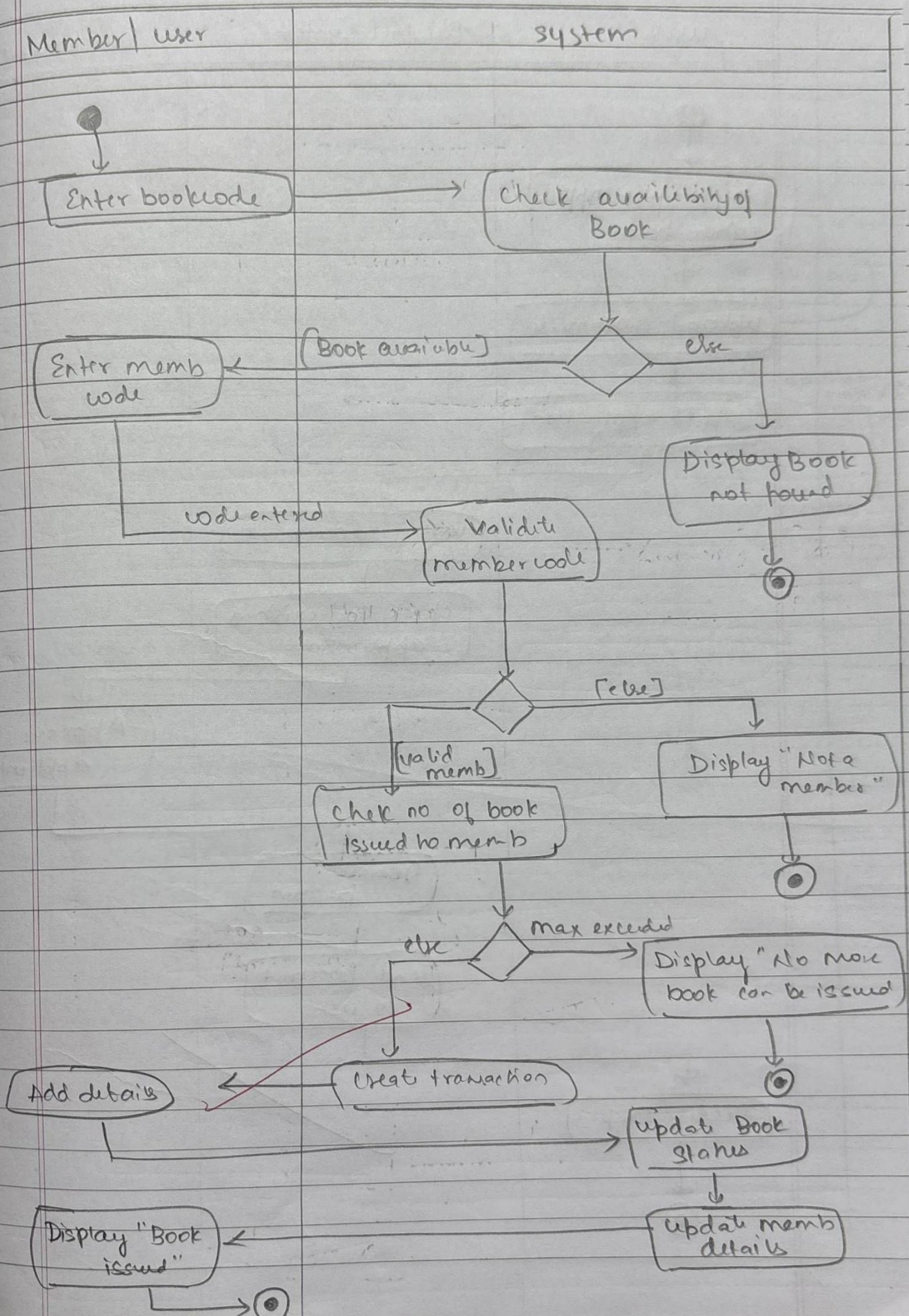
| Member/ user | system |
|---|---|

Enter bookcode → Check availibity of Book

[Book available] ← (decision) else →

Enter memb code

Display Book not found

code enterd → Validiti member code

[valid memb] — (decision) — [else] →

Check no of book Issued to memb

Display "Not a member"

else — (decision) — max exceded → Display "No more book can be issued"

Creat transaction ← 

Add details ←

Updat Book Status

Display "Book issued" ←

Updat memb details

# UML DIAGRAM

| Member/User | System |
|---|---|

Enter Book Code → Check Availability of Book

book available ← [decision] else

Enter member code

Validate Member Code    Display "Book not Found"

valid number    [decision]    else

Display "Not a valid Number"

Check no of book Issued to member

max quote exceed

else    [decision] → Display "No more book can be issued

Create transaction → Add Transaction Details

Details added → Update Book Status

Update member details

Display "Book Issued" ←