Assignment 8

sd SequenceDiagram1

Member	LMS	Book Database	Payment

1 : Library Card Details

seq Verify Card

if card valid

2 : Details Valid

else

3 : Card Invalid

seq Options

Issue Book

4 : Issue Book Details

5 : Book Availability

6 : Book Status

seq Availability

7 : Update Book Database

8 : Book Database Updated

Available

9 : Issued Book Request Accepted

Not Available

10 : Issue Book Request Rejected

Renew Book

11 : Renew Book Details

seq Response

Eligible

12 : Renew Book Request Accepted

Not Eligible

13 : Renew Book Request Rejected

Return Book

14 : Return Book Details

15 : Return Book

16 : Book Returned

17 : Book Return Response

18 : Fine Calculation

seq Fine

Eligible for Fine

19 : Request Fine Amount

20 : Payment

21 : Payment Status

22 : Payment Status

Not Eligible for Fine

23 : No Fine

24 : Update Book Database

25 : Book Database Updated

26 : Book Returned

27 : Logout

28 : Logout Successful