ERD Exercise 3

Draw an ERD to deal with the below example situation. If there is any ambiguity in the description then you should make assumptions you consider reasonable, using notes to clarify how you have interpreted the description.

Exercise 3 - Ancient History Library

A small, private library, specialising in ancient history, has a collection of titles available for loan by members. Each member can have a loan of a maximum of eight books at any one time. The library often has several copies of a particular book. If no copies are available for immediate loan, a member can reserve the required book. When a copy of the requested book is returned, the library notifies the reserving reader that the book is available, and puts the copy to one side, ready for collection.

Some titles are more in demand or rarer than others so there are three different classes of loans: "std" (standard loan - which is a two month loan), "one week" (which, as the name suggests, is a one week loan) and "internal only" (which must be read in the library only). The penalty fines for late return of titles are also different depending upon class. Currently std loan is a £1 a day fine, whereas for one week loans the fine is £10 a day (there is no fine for internal only).