**Add collection classes to handle multiplicity. Include common methods you likely will need in order to use many items.**

**Graphical user interface, application, Teams

Description automatically generated**

**Diagram a class structure that would use polymorphism to handle the calculation of overdue charges for the various types of loan items in a library.**

**Graphical user interface, application

Description automatically generated**

class Magazines implements ILateCharge   
Note: Calculates the overdue charge for a magazine by multiplying the number of days late by 0.75 and dividing by 2  
  
class AudioTapes implements ILateCharge

Note: Returns a flat charge of $2.00 regardless of the number of days late

class Books implements ILateCharge

Note: Calculates the overdue charge for a book by multiplying the number of days late by 0.5

class Videos implements ILateCharge

Note: Calculates the overdue charge for a video by adding $1.00 and multiplying the number of days late by 0.75

（end）