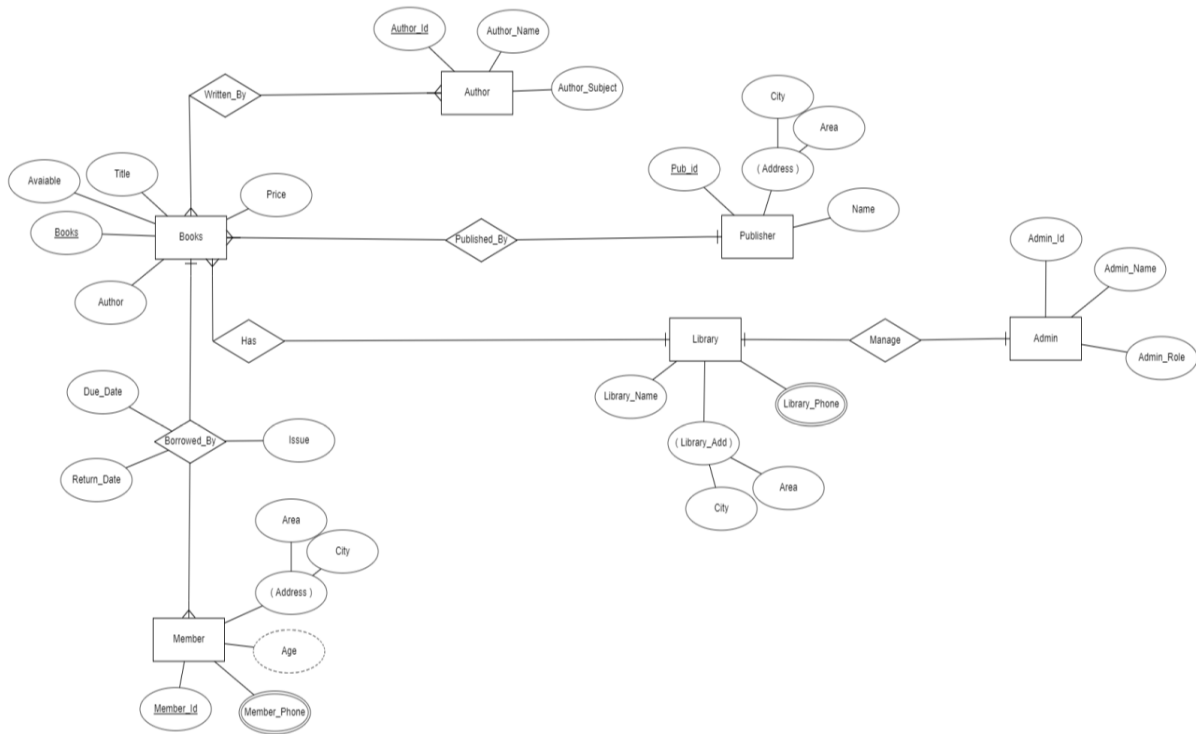


ASSIGNMENT 9

Library Management System Er-Diagram



Entities and their Attributes –

Book Entity : It has Books, number, title, Available, Author, price. Books is the Primary Key for Book Entity.

Member Entity : It has Member_id, Member_Phone, Address(Area,city), Age, . Address is composite attribute of Area and City. Age is Drived attribute. Member_Id is the Primary Key for Member entity.

Publisher Entity : It has PublisherId, Year of publication, name. PublisherID is the Primary Key.

Library: It has Library_Name and Library_Add(City,Area) with Library_Phone .

Author Entity : It has Author_id, Author_Name, Author_Subject, Author id is the Primary Key of reports entity.

Relationships between Entities —

A Member can reserve N books but one book can be reserved by only one reader. The relationship 1:N.

A publisher can publish many books but a book is published by only one publisher. The relationship 1:N.

Books has has-a relationship with Library and its One to Many Relation Multiple Books are in One Library

Books is written by author and has Many-to-Many Relation Multiple Books is written By Multiple Author