**Activity**

Consider a library management system. Library system keep tracks of books. For a book it is necessary that its ID and title should be stored in the database. A publisher publishes many books so their names should be kept in the records so that we can keep track of books and their publishers. Books are written by authors. Author related information is of no interest to library so only its name is saved in the database; nothing else. For publishers there must be address, phone number and their names saved in the database. The library has certain branches countrywide. These branches are differentiated using branch ids. Definitely each branch will have their own address and name. A person comes to library borrows a book against the card number that has been issued to him. All the personal details of the person will be saved against that card number. He can borrow it from any branch of the library by showing his card over there. Also the library system needs to maintain for a person that when he issued a certain book and when the due date is to return the book back to library. In addition to this a library branch can have multiple copies of the same book. It has to be maintained as well so that one can know how many copies we are left with in the library branch.