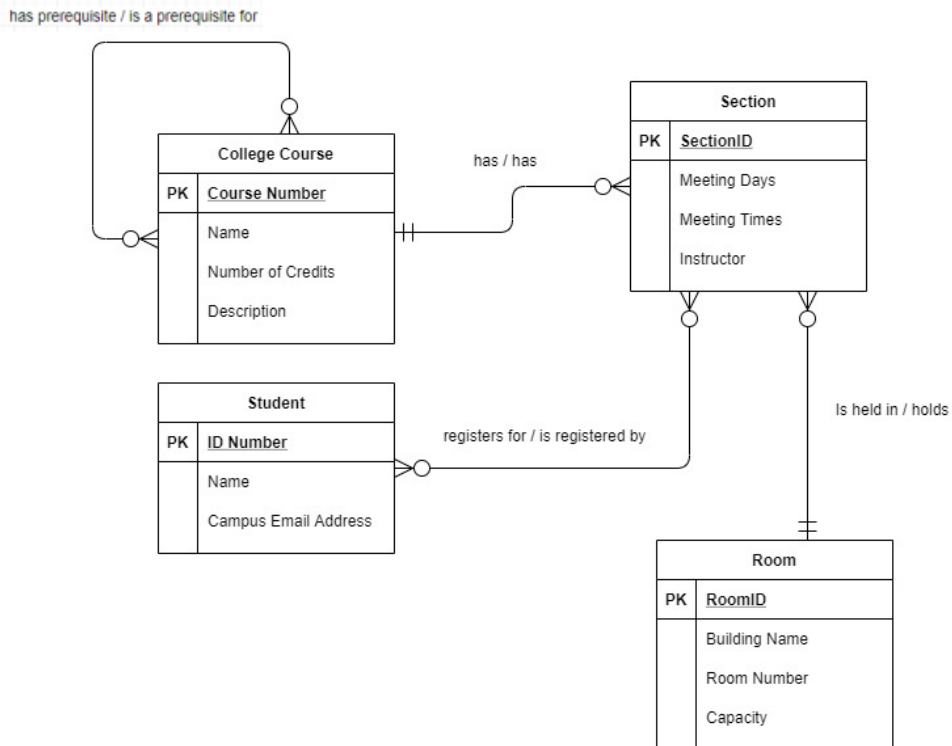


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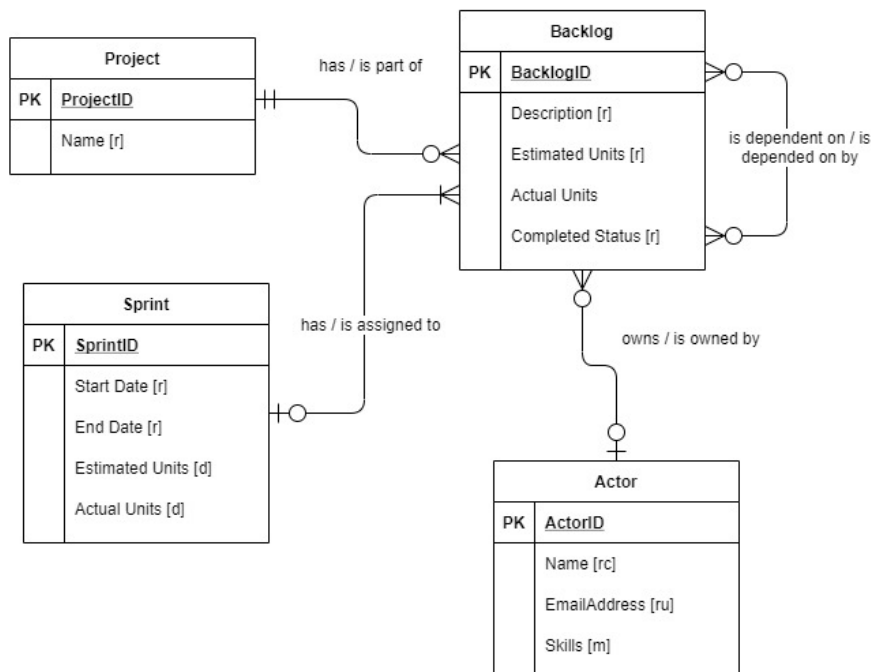
Lab 2

Part 1

Case Study 1: Obligatory College Classes Modeling



Case Study 2: Project Management

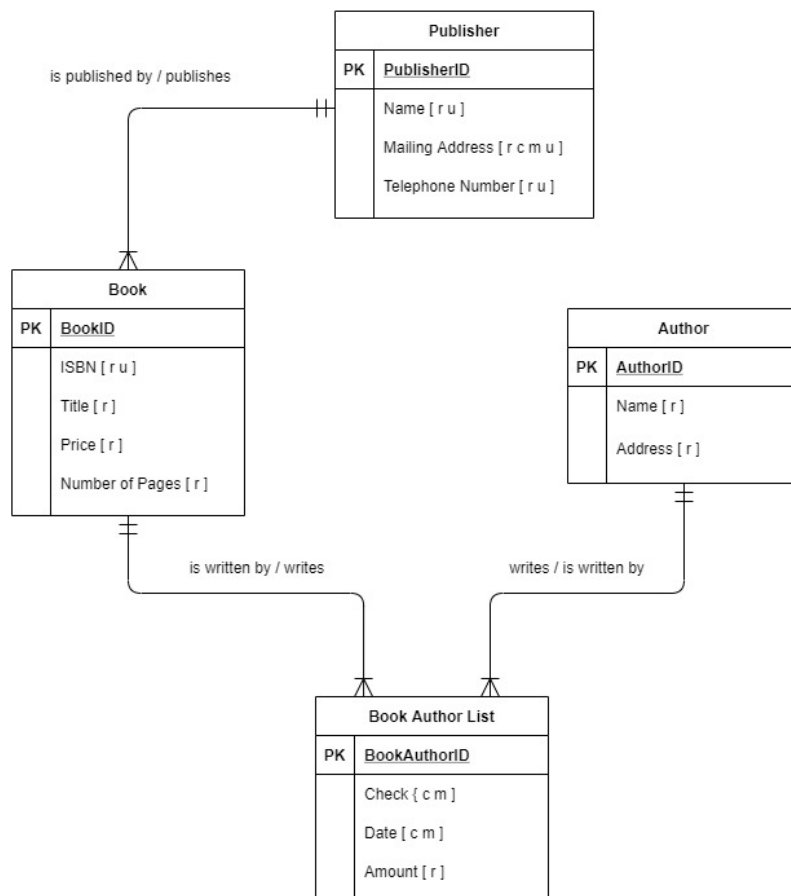


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Lab 2

Case Study 3: Book Publishing Database

Entity	Attribute
Publisher	Name [r] * Mailing address [r] Telephone number [r]
Book	ISBN [r] * Title [r] Price [r] Number of pages [r]
Author	Author ID [r] * Name [r] Address [r]
Royalty Check	Check Number [r] * Date [r] Amount [r]
Relationships	
Each publisher publishes at least one book, a book is published by one and only one publisher Each book is written by at least one author, an author writes at least one book Each author is paid by one royalty check, one royalty check is paid to one author One royalty check is paid from one book, one book pays for one royalty check	



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Lab 2

Part 2

Entity	Attribute
User	User ID [r] * Username [u] Email Address [u] Self-Description Website URL
Tag	TagID [d] * TagName [r]
Vidcast	VidCast ID [r] * Title [r] Start Date Start Time Projected Duration Actual Duration Status [r]
Recording	URL [r]* Web Service [r]
Relationships	
A user can follow any number of users, and A user can have any number of followers A user can add any number tags, and a tag can be added by any number of users A user can create any number of Vidcast, a Vidcast can be made by one and only one user A Vidcast can make optionally one recording, a recording can be made by one and only one Vidcast	

*Made duration an optional composite attribute (either projected or actual duration)

*If the attribute has [o] next to it that means that it is optional (not specified in directions but it helped for my understanding)

*User / Vidcast / Tag entity types modeled as a ternary relationship.

