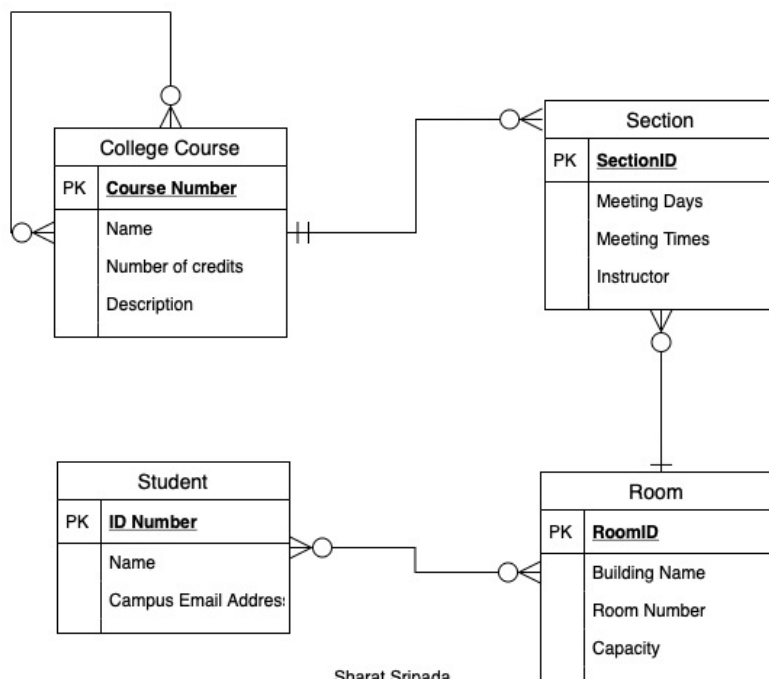Course: IST-659
Name: Sharat Sripada
Homework #2
Due Date: 4/8/2020
Date Submitted: 4/8/2020
Topic: Lab02 – Conceptual modeling

Part-1: Conceptual Modeling Case Studies
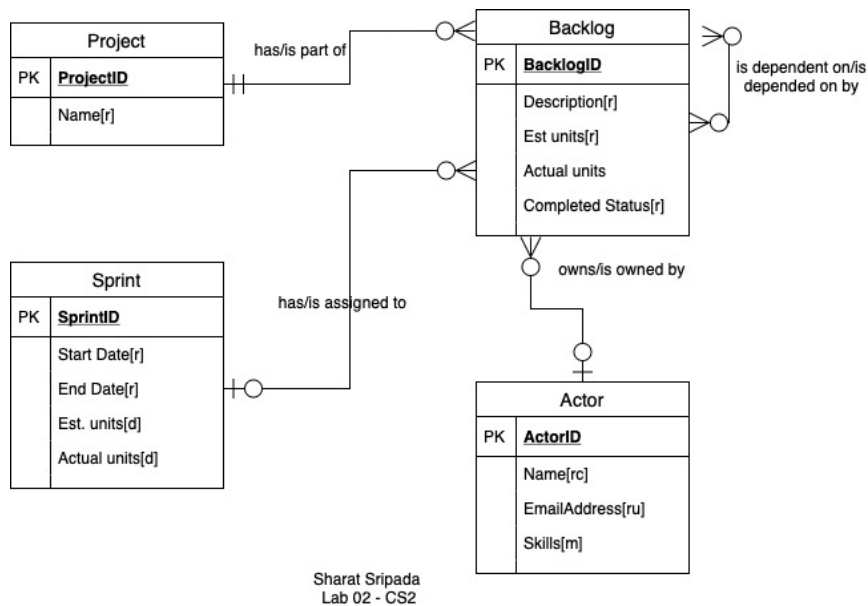
Case Study 1 – Obligatory College Classes Modeling

Below is the ERD based on the requirements defined in the Lab-02 guide:

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Case Study-2: Project Management

Below is the ERD based on the requirements defined in the Lab-02 guide:
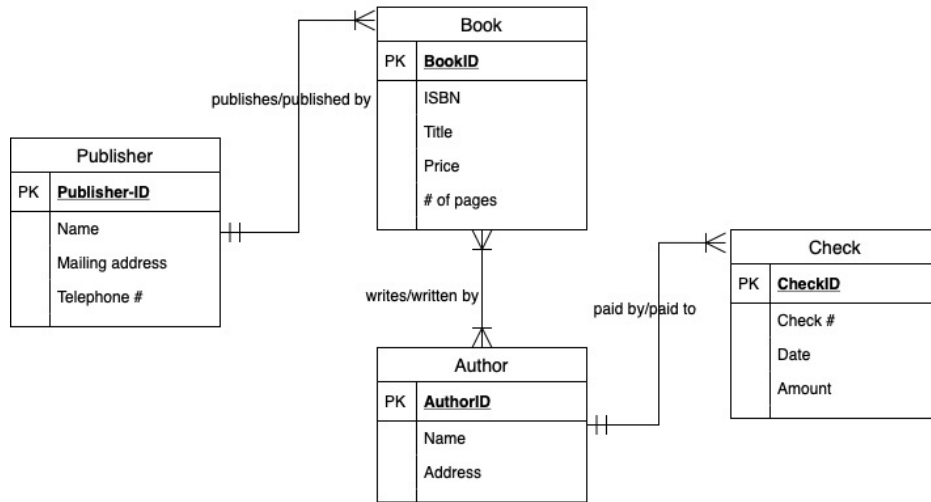

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Case Study-3: Book Publishing Database

Based on definition and requirements defined mustered up the following Entity, attribute and relationships:

Entity	Attribute
Publisher	Name Mailing address Telephone#
Book	ISBN Title Price Number of pages
Author	Name Address
Check	Check# Date Amount

Relationships
• A publisher publishes one or more books; A book is published by exactly one publisher
• Each book is written by one or more authors
• An author receives a separate royalty check for each book he or she writes

Below is the corresponding ERD:

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Part-2: Vidcast Conceptual Model

Entity	Attribute
User	Username[r] Email[r] Description Web-URL
Tag	Tag Description
Vidcast	Title[r] Start Date Start Time Projected Duration Actual Duration[d] Recording URL Status
Relationships	

- Each user can have many other users as followers and can, in turn, follow many other users
- Each vidcast is made by exactly one user, but each user can optionally create many vidcasts
- To help users find one another, each user can add categorizing tags to their profile. Each of these tags can be applied to many other users as well.

Below is the corresponding ERD:

User

PK	**UserID**
	Username[r]
	Email[r]
	Description
	Web-URL

Tag

PK	**TagID**
	Tag
	Description

VidCast

PK	**VidCastID**
	Title[r]
	Start Date
	Start Time
	Projected Duration
	Actual Duration[d]
	Recording-URL
	Status

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