Course: IST-659

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Homework #3

Due Date: 4/15/2020

Date Submitted: 4/20/2020

Topic: Lab03 – Logical modeling

## Part-1: Conceptual Modeling Case Studies

### Case Study 1 – Obligatory College Classes Modeling

Below is the E-ERD based on the procedure/ERD defined in the Lab-03 guide:

A screenshot of a cell phone

Description automatically generated

### Case Study-2: Project Management

Below is the E-ERD based on the ERD defined in the Lab-03 guide:

A screenshot of a map

Description automatically generated

**NOTE**

In the Actor entity, attribute Skills is [m] or multi-valued. Correspondingly, a new table actor\_skills was created for this purpose. Based on the async session, the relationship shall be one to the new table and many to the original table but this different in the Lab-03 guide.

### Case Study-3: Book Publishing Database

Based on ERD in Lab-03 guide below is the E-ERD:

A screenshot of a cell phone

Description automatically generated

## Part-2: Vidcast Conceptual Model

Based on ERD in Lab-03 guide below is the E-ERD:

A screenshot of a cell phone

Description automatically generated

**NOTE**

Converted all the many-many relationships to one-many (or many-one):

1. Playlist to Vidcast is many-many relationship – Inserted bridge or associative table playlist\_vidcast
2. User to tags OR Vidcast to tags were many-many relationship – Inserted bridge or associative table vidcast\_user\_tags to link vidcast/user tables to it.