

CSCI585 Assignment 01

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1.Components of the ERM

Entity	Relationship	Connectivity	Entity
USER	has	M:N	USER
USER	has	1:M	GROUP
USER	send	M:N	MESSAGE
USER	has	1:M	CHANNEL
USER	comment	M:N	VIDEO
USER	download	M:N	VIDEO
USER	share	M:N	VIDEO
USER	favor	M:N	VIDEO
CHANNEL	include	M:N	VIDEO
GROUP	contain	M:N	USER
GROUP	access to	M:N	CHANNEL

2. Design Specification

In the diagram below, the solid line represents strong relationship, and the dash line represents weak relationship.

In the class USER, the attribute DoB can be composite attribute, because date of birth can be subdivided into year, month and day.

In the class USER, the attribute USER_EMAIL can be Multivalued attribute.

In the class FRIEND, the attribute STATUS is used to tell whether any other user accept the request to be mutual friend.

