

Multimedia Content Database Management (CSC 675-775-03)

Milestone 2

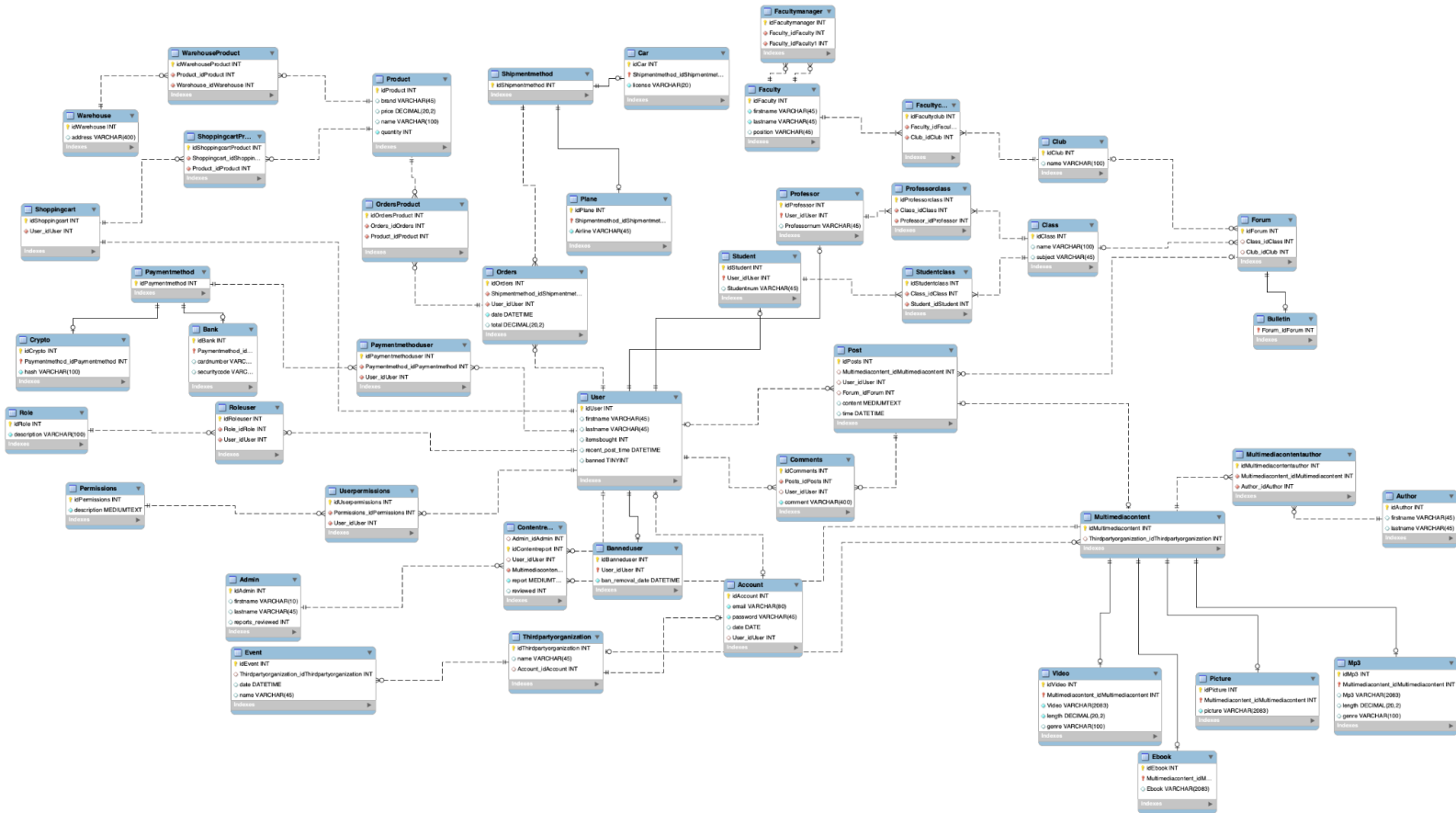


TABLE	FK	ON DELETE	ON UPDATE	COMMENT
Bank	PaymentMethod	Cascade	Cascade	Bank is one of many types of payment methods. Therefore one of its primary keys is a key from its parent table in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
PaymentMethodUser	PaymentMethod, User	Cascade	Cascade	This is a table that represents a many to many relationship. As

				such, if a payment method or a user is deleted then their corresponding entries in this table will also be deleted.
Banned User	User	Cascade	Cascade	Banned users are Users. Therefore one of its primary keys is a key from its parent table, in this case the user table. If the key in the parent table doesn't exist then the child cannot exist.
Bulletin	Forum	Restrict	Restrict	Bulletin is a special type of forum. It cannot be deleted or changed.
Car	ShippingMethod	Cascade	Cascade	A car is a shipment method. Therefore one of its primary keys is a key from its parent table, in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
Classsubforum	Forum	Cascade	Cascade	Class Subforum are forums. Therefore one of its primary keys is a key from its parent table, in this case the forum table. If the key in the parent table doesn't exist then the child cannot exist.
Club SubForum	Forum	Cascade	Cascade	Club Subforum are forums. Therefore one of its primary keys is a key from its parent table, in this case the forum table. If the key in the parent table doesn't exist then the child cannot exist.
Comment	Post	Cascade	Cascade	A comment can only exist when it relates to a post.
Comment	User	Set Null	Set Null	If the user is deleted then

				the comment can still exist. The name will display as [deleted] on the forum.
Content Report	Admin	Set Null	Set Null	If the admin who reviews a content report is deleted the report should still exist.
Content Report	User	Set Null	Set Null	If the person who created the content report is deleted the report can still exist.
Content Report	Content	Cascade	Cascade	A content report must pertain to at least one piece of content.
Crypto	Payment Method	Cascade	Cascade	Crypto is a payment method. Therefore one of its primary keys is a key from its parent table, in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
Ebook	MultimediaContent	Cascade	Cascade	An ebook is a type of multimedia content. Therefore one of its primary keys is a key from its parent table, in this case the Multimedia content table. If the key in the parent table doesn't exist then the child cannot exist.
Event	Third Party organization	Cascade	Cascade	In this database the event can only be hosted by a third party organization.
FacultyAccount	Account	Cascade	Cascade	A faculty account is a type of account. Therefore one of its primary keys is a key from its parent table, in this case the account table. If the key in the parent table doesn't exist

				then the child cannot exist.
FacultyClub	Club, Faculty	Cascade	Cascade	The faculty club table exists to handle the many to many relationship between a faculty member and their clubs. If one were to be deleted the relationship would cease to exist.
FacultyManager	Faculty	Cascade	Cascade	This table represents the recursive, many to many relationship that faculty members have. If one of the faculty members in the relationship is deleted then the column corresponding relationship would cease to exist.
Forum	Class	Set Null	Set Null	A forum can exist independently of a class as it is a strong entity.
Forum	Club	Set Null	Set Null	A forum can exist independently of a club as it is a strong entity.
Mp3	MultimediaContent	Cascade	Cascade	An Mp3 is a form of multimedia content. Therefore one of its primary keys is a key from its parent table, in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
Multimedia Content	Third Party Organization	Set Null	Set Null	Multimedia content can be owned by a third party however, this is optional.
Multimedia Content Author	Author, Multimedia Content	Cascade	Cascade	This table represents the many to many relationship between author and multimedia content. If one is gone then the relationship ceases to

				exist.
Order	Shipment Method, User	Cascade	Cascade	Order cannot exist without having a payment method or a user that ordered the item.
Payment Method User	PaymentMethod, User	Cascade	Cascade	This table represents the many to many relationship between user and payment method. If one is gone then the relationship ceases to exist.
OrdersProduct	Order, Product	Cascade	Cascade	This table represents the many to many relationship between orders and products. If one is gone then the relationship ceases to exist.
Picture	Multimedia Content	Cascade	Cascade	Pictures are multimedia content. Therefore one of its primary keys is a key from its parent table, in this case the multimedia content table. If the key in the parent table doesn't exist then the child cannot exist.
Plane	Shipment Method	Cascade	Cascade	A plane is a shipment method. therefore one of its primary keys is a key from its parent table, in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
Posts	Multimedia Content, Forum, User	Set Null	Set Null	Posts can exist independently of other items in the database.
Professor	User	Cascade	Cascade	Professors are a form of user. If the parent key is deleted then the child is also deleted.

ProfessorClass	Professor, Class	Cascade	Cascade	This table represents the many to many relationship between professors and classes. If one is gone then the relationship ceases to exist.
Roleuser	User, Role	Cascade	Cascade	This table represents the many to many relationship between users and roles. If one is gone then the relationship ceases to exist.
Shopping Cart	User	Cascade	Cascade	The shopping cart is just a bunch of items that are related to a user who is buying them. The cart's existence depends on the user.
ShoppingcartProduct	Shopping Cart, Product	Cascade	Cascade	This table represents the many to many relationship between shopping carts and products. If one is gone then the relationship ceases to exist.
Student	User	Cascade	Cascade	Students are a form of user. If the parent key is deleted then the child is also deleted.
Student Account	Account	Cascade	Cascade	If the owner of an account is terminated then the account cannot exist.
Student Class	Student, Class	Cascade	Cascade	This table represents the many to many relationship between students and classes. If one is gone then the relationship ceases to exist.
Third Party Organization	ThirdPartyOrganizationAccount	Set Null	Set Null	An organization can exist without an account.

ThirdPartyOrganizationAccount	Account	Cascade	Cascade	A ThirdPartyOrganizationAccount is a type of account. Therefore one of its primary keys is a key from its parent table, in this case the account table. If the key in the parent table doesn't exist then the child cannot exist.
User	Account	Set Null	Set Null	A user can exist without an account.
User Permissions	Users, Permissions	Cascade	Cascade	This table represents the many to many relationship between users and permissions. If one is gone then the relationship ceases to exist.
Video	Multimedia Content	Cascade	Cascade	A Video is a form of multimedia content. Therefore one of its primary keys is a key from its parent table, in this case the payment method table. If the key in the parent table doesn't exist then the child cannot exist.
WarehouseProduct	Warehouse, Product	Cascade	Cascade	This table represents the many to many relationship between warehouses and products. If one is gone then the relationship ceases to exist.

Business Requirements

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