

# CPS 510 Assignment 6 - Functional Dependencies

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user\_acc(Email, FirstName, LastName, DateOfBirth, Password)  
{ Email } → FirstName, LastName, DateOfBirth, Password

payment\_method(Email, PaymentDetails, MethodType)  
{ Email, PaymentDetails } → MethodType

uses(Email, PaymentDetails)  
{ PaymentDetails } → Email

movie(MovieID, MovieName, Genre, Director, MovieRating, ReleaseYear, Resolution, Runtime, Synopsis, MovieCast)  
{ MovieID } → MovieName, Genre, Director, MovieRating, ReleaseYear, Resolution, Runtime, Synopsis, MovieCast

orders(Email, MovieID, PaymentDetails)

studio(StudioName, ProducedMovies)  
{ StudioName } → ProducedMovies

produces(MovieID, StudioName)  
{ MovieID } → StudioName

rental(MovieID, RentalPrice, RentalDate, RentalExpiry)  
{ MovieID } → RentalPrice, RentalDate, RentalExpiry

purchase(MovieID, BuyingPrice, PurchaseDate)  
{ MovieID } → BuyingPrice, PurchaseDate

movie\_review(RevID, WrittenRev, NumericRating, Email)  
{ RevID } → WrittenRev, NumericRating, Email

links\_to(RevID, MovieID, MoviePageUrl)  
{ RevID } → MovieID, MoviePageUrl

writes(RevID, Email)  
{ RevID } → Email  
{ Email } → RevID

fanclub\_membership(MembershipID, RentalDiscount, PurchaseDiscount, RentalSpecialOffers,  
PurchaseSpecialOffers, OffersRentalStartDate, OffersRentalEndDate,  
OffersPurchaseStartDate, OffersPurchaseEndDate)

{ MembershipID } → RentalDiscount, PurchaseDiscount, RentalSpecialOffers,  
PurchaseSpecialOffers, OffersRentalStartDate, OffersRentalEndDate,  
OffersPurchaseStartDate, OffersPurchaseEndDate

has(MembershipID, StudioName)

{ MembershipID } → StudioName