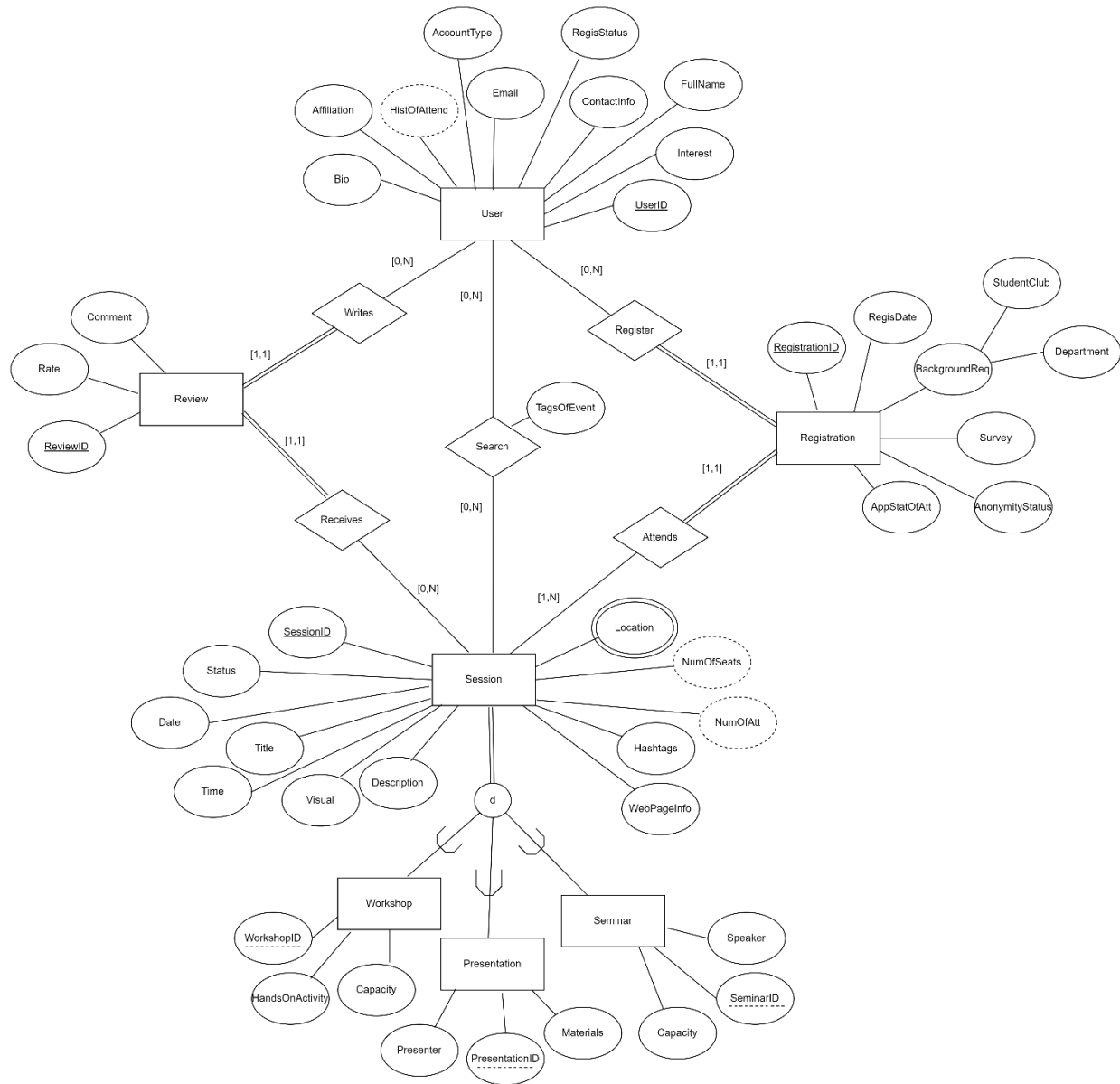**Esra Şekerci**

2698215

IS 503 – Assignment 1, due: 17 March 2024

A)

- We have defined derived attributes: HistOfAttendance, NumOfAvbSeats, and NumOfAtt. These attributes are calculated rather than directly stored.
- Workshop, Presentation, and Seminar are subtypes of Session, each requiring partial keys for unique attribute identification. The disjoint constraint ensures that each session entity is exclusively classified under one subtype, maintaining database clarity and integrity.

- The composite attribute "backgroundReq" consists of multiple sub-attributes.
- One user can write zero or more reviews and each review is written by exactly one user.
- One user can register zero to many registrations and each registration is associated with exactly one user.
- Each review is associated with exactly one session. Each session may receive zero or more reviews.
- Each registration is associated with exactly one attendee. Each attendee may attend one or more registrations.
- Each user may perform zero or more searches. Each session may be searched by zero or more users.

B)

Workshop

WorkshopID	SessionID	HandsOnActivity	Capacity

Presentation

PresentationID	SessionID	Presenter	Materials

Seminar

SeminarID	SessionID	Speaker	Capacity

Session

SessionID	RegistrationID	Title	Visual	Description	Date	Status	Time	Location	NumOfSeats	NumOfAtt	Hashtags	WebPageIn

User

UserID	FullName	Email	Affiliation	AccountType	RegisStatus	ContactInfo	Interest	Bio

Registration

RegistrationID	UserID	SessionID	RegisDate	Survey	AppStatOfAtt	BackgroudReg

Review

ReviewID	UserID	SessionID	Comment	Rate