

Project 1

(b)

S/No.	Concept A	Concept B	Relationship	Explanation
1	Person	Individual	Inheritance	Both "Person" and "Individual" represent a human being. "Individual" inherits characteristics from "Person" but may have additional attributes specific to an individual in a certain context.
2	User	Member	Inheritance	"User" and "Member" represent individuals who have some form of membership or account within a system. "Member" inherits properties from "User" but may have additional features or behaviors related to membership management.
3	Connection	Connection	Generalization	"Connection" is a general concept representing a relationship between individuals. It is further specialized into "FollowerConnection" and "Circle" to represent specific types of connections with distinct properties and behaviors.
4	Group	Circle	Inheritance	Both "Group" and "Circle" represent a collection of individuals within a certain context. "Circle" is a specialized form of a "Group" with specific features related to social connections or interactions.
5	Post	Article	Generalization	Both "Post" and "Article" represent content shared by users/members. "Article" is a specific type of "Post" that may have additional features such as longer content or specific formatting options.
6	Media	Multimedia	Inheritance	Both "Media" and "Multimedia" represent digital content such as images, videos, or audio files. "Multimedia" inherits properties from "Media" but may have additional attributes specific to various types of multimedia resources.
7	Share	ShareOperation	Generalization	"Share" and "ShareOperation" represent actions taken to share content with others. "ShareOperation" is a specialized form of "Share" that may involve additional features such as sharing permissions or sharing history tracking.
8	Reaction	Reaction	Generalization	"Reaction" is a general concept representing responses or feedback to shared content. It is further specialized into specific types of reactions such as "Appreciation" to capture different types of user engagements with the content.