

User	
Description:	
Stores user informations and authority, permissions	
Responsibility:	Collaborator:
Stores user name, ID, email	Admin
Manages users authority	Admin
Retrieve users information	Admin, Student, Instructor

Group	
Description:	
Manages student groups	
Responsibility:	Collaborator:
Mange group members' information	Instructor
Manage project grades of group	Instructor
Modifying groups' information	Instructor
View group information	Student, Intructors
Grade group	Instructor

SupportMaterial	
Description:	
Stores assignment or project support material	
Responsibility:	Collaborator:
Stores and modify support materials	Instructor
View support materials	Student, Instructor

Student	
Description:	
Stores detail students' informations	
Responsibility:	Collaborator:
View assignments, grades, comment	Assignment, Project, Instructor
View group information	Group, Instructor

Assignment	
Description:	
Represents assignments provided by instructors	
Responsibility:	Collaborator:
Stores assignment details	Instructor
Submit assignment	Student
Grade Assignment	Instructor
View assignment records	Student, Intructors
Comment in assignment	Instructor

Message	
Description:	
Stores messages between users	
Responsibility:	Collaborator:
Store sender, receiver, time, status	Chat
Send and receive messages	Chat

Chat	
Description:	
Manage users chat	
Responsibility:	Collaborator:
Manage chat between users	Student, Instructor
Store, retrieve chat history	Message, Student, Instructor
Store, retrieve shared files and links	Message, Student, Instructor

Instructor	
Description:	
Stores instructors' actions	
Responsibility:	Collaborator:
Create, modify, delete assignments	Assignment
Create, modify, delete projects	Project
Create, modify, delete groups	Group

Project	
Description:	
Represents projects provided by instructors	
Responsibility:	Collaborator:
Stores project details	Instructor
Submit projects	Student
Grade projects	Instructor
View projects' records	Student, Intructors
Comment in projects	Instructor

Course	
Description:	
Represent course	
Responsibility:	Collaborator:
Store course details	Instructor
Manage lectures	Instructor, Lecture
Update, modify course information	Instructor

Lecture	
Description:	
Store lectures' detail	
Responsibility:	Collaborator:
Store lectures' number and files	Instructor, Course
Upload, view, modify lectures	Instructor, Course