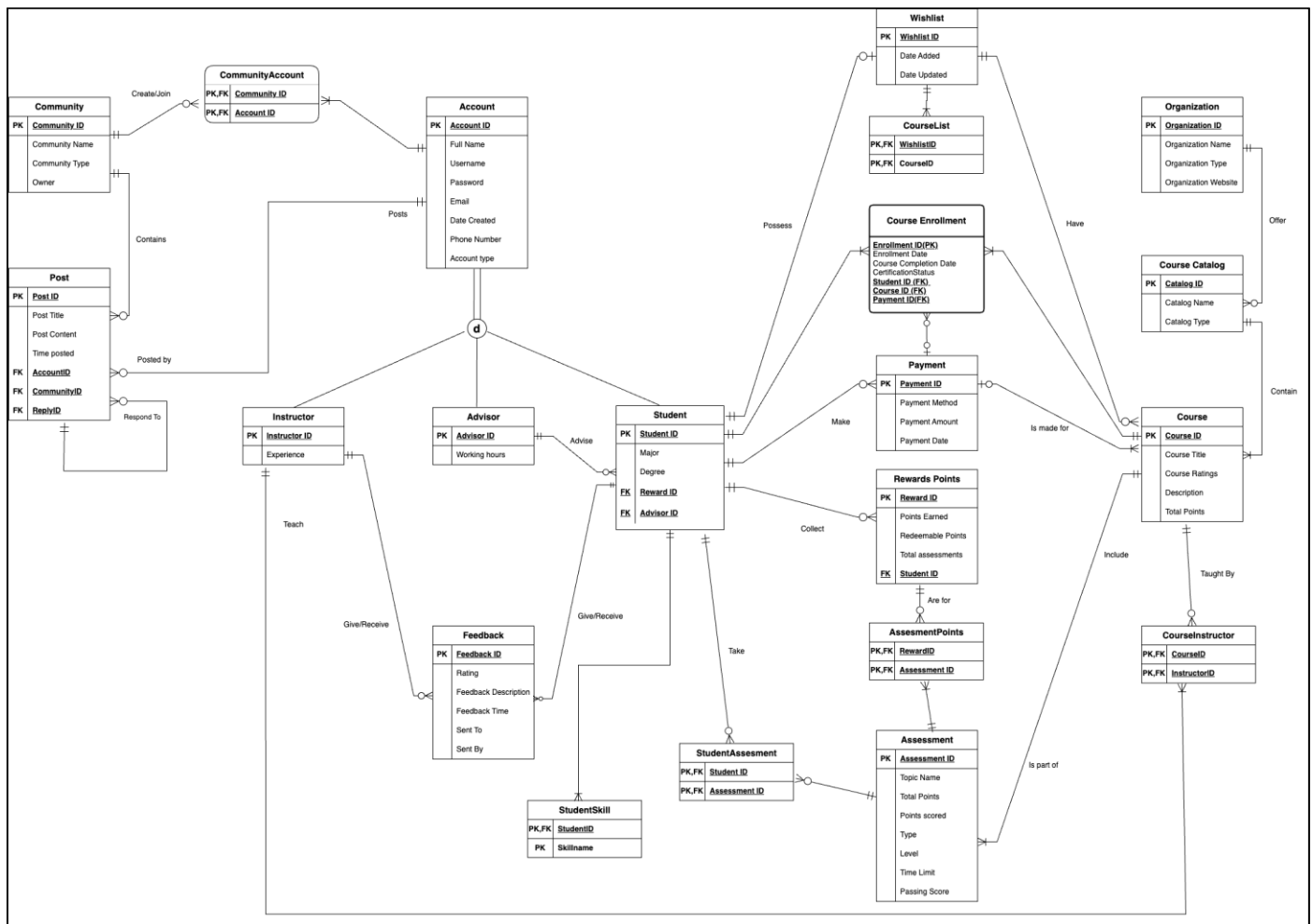


Group 17

E-Learning Platform Management System

ERD (Entity Relationship Diagram) below is a logical data model in a 3NF form containing no multivalued attributes, no composite attributes, and no many-to-many relationships. All entities have a primary key, and foreign keys for any relationships they participate in.



Changes made in ERD:

- Removed CourseID from INSTRUCTOR entity
- Removed CERTIFICATION entity and added an attribute "CertificationStatus" in COURSE ENROLLMENT associative entity
- Established a mandatory one to optional many relationship between ACCOUNT and POST entity
- Developed an optional one to optional many relationship between PAYMENT and COURSE ENROLLMENT resulting in a ternary relationship
- Added Foreign keys for the following relationships:
 - CommunityID, ReplyID and AccountID in POST
 - AdvisorID in STUDENT
 - PaymentID in COURSE ENROLLMENT
- Defined multivalued attributes: StudentSkill(for STUDENT entity), CourseList (for WISHLIST entity)
- For many-to-many relationships, added relations: CommunityAccount, StudentAssesment, AssesmentPoints and CourseInstructor