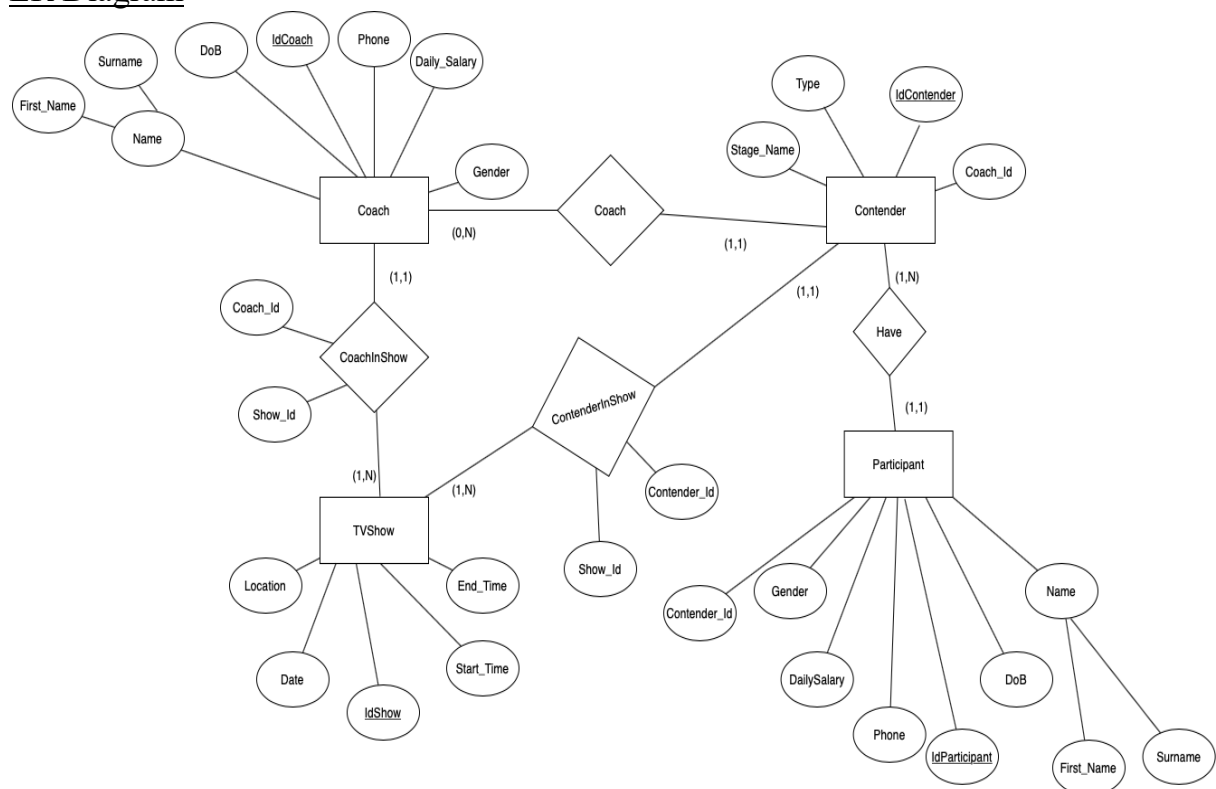


Database Coursework Part 1 - Design of Database

Name: To Kin Wai

K-number: 19029931

1.1 ER Diagram



1.2 Cardinalities and Assumptions

- Contenders are coached by one coach only. Some coaches may not be assigned to coach any contender
- Each Contender should have at least one participant.
- Each TVShow must be assigned to a coach and a contender.

1.3 Constraints

Coach: IdCoach (PK)

Contender: IdContender (PK), Coach_Id (FK)

Participant: IdParticipant (PK), Contender_Id(FK)

TVShow: IdShow (PK)

CoachInShow: Coach_Id (PK)(FK), Show_Id (PK)(FK)

ContenderInShow: Contender_Id (PK)(FK), Show_Id (PK)(FK)