

Data and Applications – Project Phase 2

Team Name: db.roll() db.join()

Team Members:

- Naman Ahuja (2019101042)
- Nikhil Chandak (2019111040)
- Aman Atman (2020121006)

Changes Made in ER Diagram (ie. Not present in Requirements Doc):

- Added a relationship *follows* between entities Diet Plan and Member.
- Combined name and relationship attribute of weak entity *Dependant* into a super-attribute *name-relationship* acting as the partial key (composite).
- The *works_on* relationship was formerly between entities Member, Exercise and Body Part. Now, it has been extended to a 4-degree relationship (from 3) also including entity Trainer acting as the supervisor guiding the Member who works on a Body-Part through an Exercise.

Entity Relationship (ER) Diagram Present on the Next Page:

PS: The attributes on the right got somehow separated from others due to overfilling of content in 1 page. They are part of the super attribute 'address' of the entity Member.

