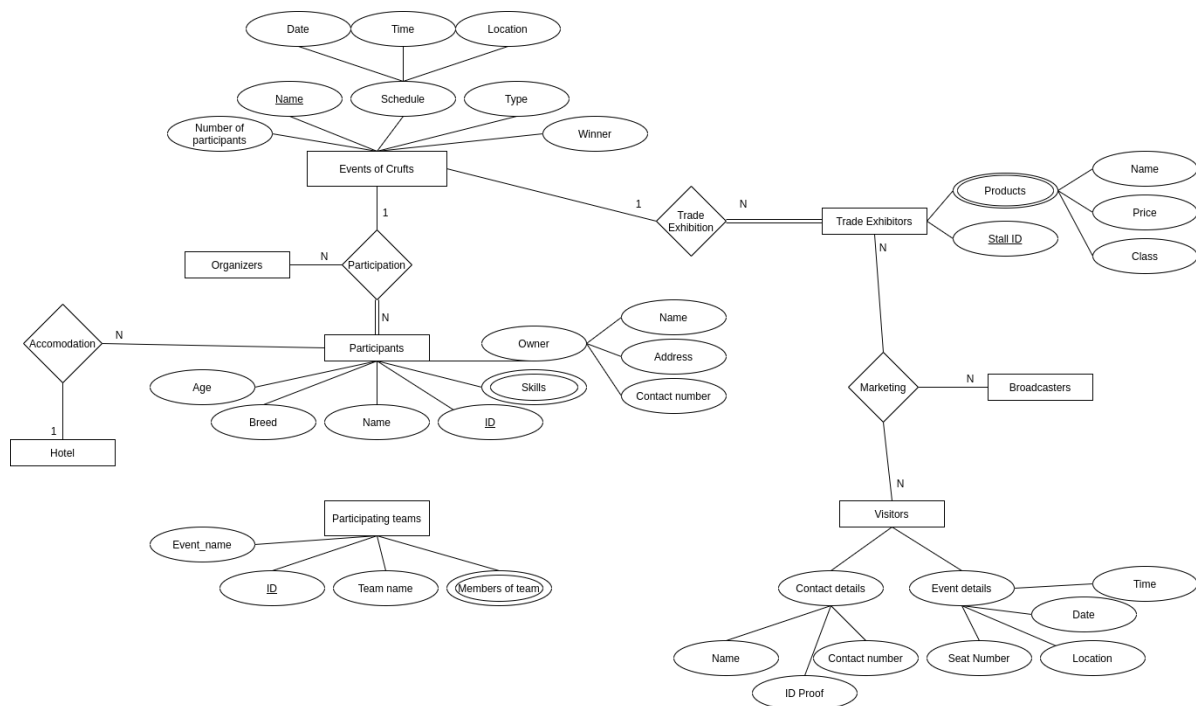# Group Assignment - 2

ER Diagram

Analysis of 🕉's Assignment-1

Errors in data requirements

- Key attributes of all entity types are missing.

- Participation constraints in every relationship are missing. (We couldn't judge the intended purpose of the entities due to this)

- Domain of the attributes is not specified for any attribute.

- Missing attributes for entity types and undefined entity types:

    - Sponsors [Not required in the database]
    - Accommodation tie ups
    - Organizers
    - Broadcasters
    - Hotels

- Redundancy in Entity type `Participating Teams`:

    - Event_name should have been a relationship to the entity type `Events of Crufts.`
    - Members of team is described as multi valued attribute to participant IDs but should have been a one-many relationship with participants.

- Redundancy in Entity Type `Events of crufts`

    - Number of participants is derived quantity (Not mentioned)
    - Winner must a be relationship with `Participants`

- Sponsors and Event organizers isn't database in relationship but sponsors are users of the database for accessing visitor information according to description.

- The above relationship was also described as n>3 relationship being a binary relationship.

- Unnecessary entity `Organizer` in the relationship `Participation`, when `Organizer` is only related to the the entity `Events of Crufts`.
- Organizers aren't required in the relationship `Accommodation` as per the mini world requirements.

Errors in functional requirements

- The search requirement

  > Search for the events by their types to get their names and the schedule of the event.

  is an example of projection query rather than a search query.

- The analysis requirement

  > Trade Exhibitors can use the Projection to find the events with >10000 Visitors (based on the Advanced Bookings using Table of Visitors) to decide which event to Target.

  is an example of projection query rather than an analysis query.