



INFORMATICS  
INSTITUTE OF  
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## Database Systems

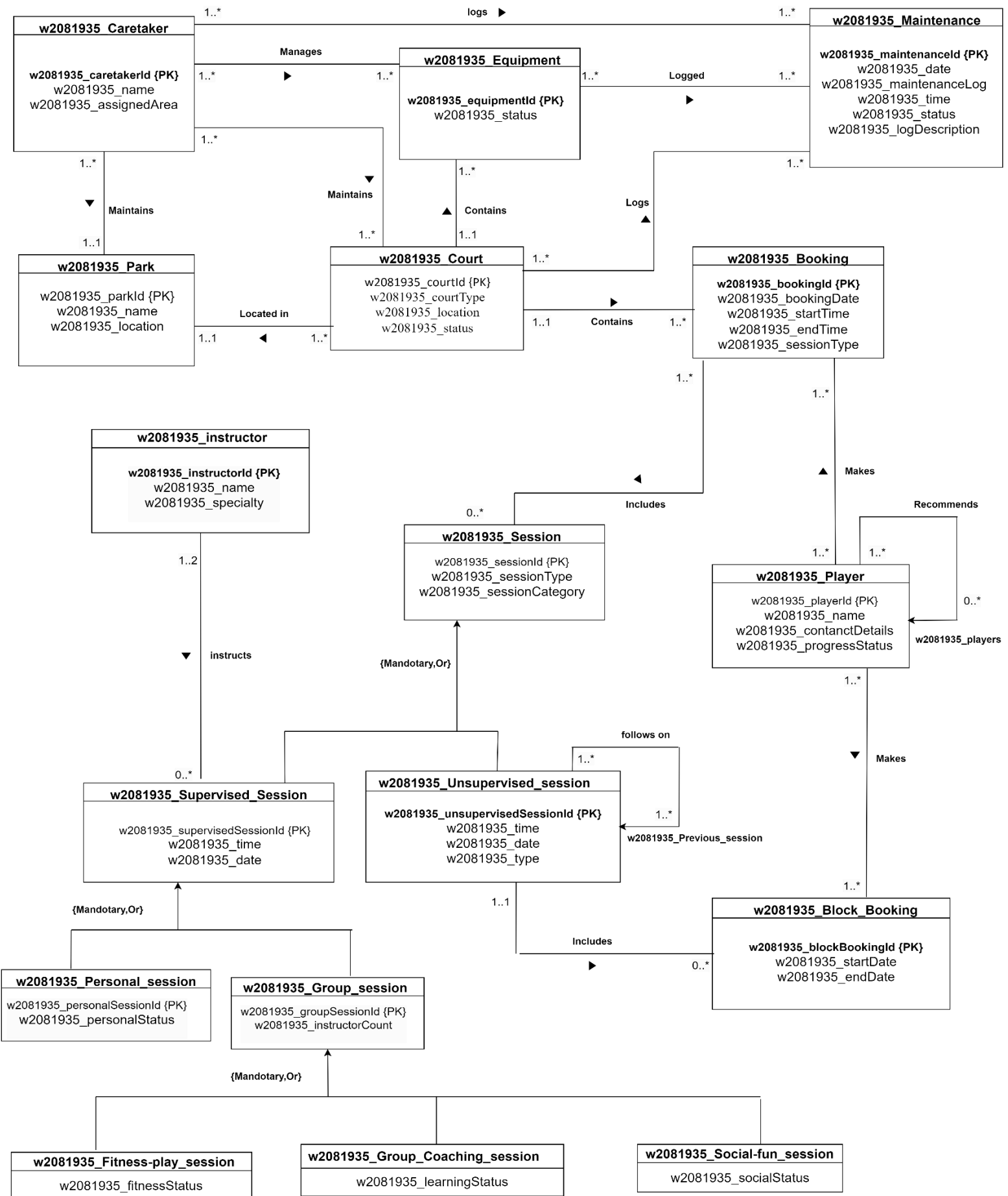
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### Conceptual EER Diagram



## Assumptions

1. I assumed that park should be connected to court since each court exist within the park and that one park can have one or many courts
2. I assumed equipment needs to be an entity because players require equipment to play sports and that their maintenance needs to be recorded.
3. I assumed caretakers need to maintain equipment since they are essential for sporting activities, where the caretaker can maintain one or more equipment.
4. I assumed that court needs to have a relationship with booking since bookings are made for courts to attend the sessions.
5. I assumed that each court contains equipment and that equipment needed to be recorded in maintenance for more better management.
6. I assumed that session entity can be divided as two since it contains both supervised and unsupervised sessions meaning these sub entities are different to one another.
7. I assumed that player must be connected to block booking since the player can book sessions further ahead of time.
8. I assumed that unsupervised session has block-book sessions where player doesn't need an instructor to be instructed even on future booked sessions.
9. I assumed that the previous session must be tracked within the current session to get details about player progress.
10. I assumed that supervised session have two divisions as personal and group sessions.
11. I assumed that group session has separate sessions named fitness-play , group-coach and social-fun.



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1. **Problem**:- Do you check if the Caretakers have qualifications? if so where are the records being kept for later review?

**Answer** :- Yes we check the caretaker qualifications before recruitment, considering whether he/she can handle the necessary requirements and they are being stored in a separate qualifications file.

2. **Problem** :- Are the players allowed to extend their session time upon their request?

**Answer** :- Players can extend their session based on the permission of the booking staff if there is a possibility for extension.

3. **Problem** :- Do you have damage repairing facilities for equipment in each court? if so how do you track the repairing records?

**Answer** :- Caretakers must always log the status of each equipment in the maintenance log whether the equipment are repaired or to be repaired.

4. **Problem** :- Can players attend a supervised and unsupervised session on the same day?

**Answer** :- Racketminster scheme allows flexibility in scheduling sessions so a player can book multiple sessions as long as the timings do not overlap with other sessions.

5. **Problem** :- When receiving the discount in a group session does the group get the discount as whole or each person get the discount individually?

**Answer** :- The discount would be given to the whole group not per individual.