Project Title: Horse-race Bidding system

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Database Description:

## Purpose

In this document the administration of a standard racetrack has been described in detail. The various aspects of this sport have been taken into account. The scope of this system is restricted to the administration and management of racetrack along with maintaining the breeder.

# Overall Description

## Database Perspective

The product is an Internet based application where the consumer can bet on Horses through the website and has an option to check out the entire racecourse system and also the automated system of cash updating in the particular Bidder’s account, it also focuses on racecourse management system the transaction between the Owner and Bookie is visible to Bidder.

The system also provides details of horses and maintaining the tournaments records

**2.2 Database Functions:**

Online racecourse system provides:

1. Details of entire racecourse system

2. Bidder can see all the data regarding Horses including history

3. Transaction between the Bookie and Owner is transparent

4. Bidder actually login or new user get verified by the Verification Administrator

5. Bidder can see the actual race and statistics regarding race

6. The transaction between everyone is paperless and automated.

7. Tournament sponsored and owners should also participate.

8. Breeder plays vital role in supplying the horses and providing the information.

9. Teller is also involved since he/she provides the information regarding the bids.

# System Features

**3.1 Description and Priority**

In this Race Course management system, the Bookie and the Horse class have the maximum priority also the customer who is betting the system. The Bookie regulates the organization of the entire system. Although main governing body will also be present. All the data transfer between the Owner and the Bookie, all the funds transferred between the Bookie and the Bidder are regulated by this class.

The Horse class also has the maximum priority. The existence of the entire system is dependent on this class.

**3.1 Stimulus/Response Sequences**

1. Bookie creates/maintains the website. The website is created, administered and maintained by the Bookie. A database is created for this website.
2. The Owner buys the Horse(s).The Horse is registered in the database of the system. A new record is created with all the necessary details of this Horse. Any previously known information is added to this record.
3. The Owner selects of Trainers. A team of Trainers is appointed by the Owner for each Horse owned by him/her. This new information is added to the records of the Owner, Horse and the Trainers themselves.
4. Owner hires a Jockey. A Jockey is hired by the Owner for each Horse he/she owns. A new record is created for the Jockey. This information is added to the records of the Owner, Horse and the Jockey himself/herself. All the previously known information is added to the record of the Jockey.
5. Owner provides information to the Bookie. All the basic information that the Owner has is provided to the Bookie. The Bookie organizes all this information and makes it available to the user so that they can make an informed decision while placing their respective bets.
6. Tournament sponsorer who maintains the records and organize the events and represent the brands, also there are riders who are brand ambassador of the particular brand.
7. There are owners who also maintain the breeder and its records.

Entities Description:

1. Bidder:
2. A person who places the bid on particular horse after all analysis of historical data.
3. Some bidder can also sponsor the event.
4. Bidder can own horses other than they are bidding on.
5. Bookie:
6. Bookie will basically have employment in the entire racecourse administration system.
7. He maintains and regulates the flow in the system.
8. He also provides the statistical data to Teller and informs the admin regarding the important transaction.
9. Tournament Sponsors:
10. Sponsorship of tournament and maintains of track.
11. Brand the particular products in the tournament.
12. Payment regulation in the racetrack system.
13. Introducing new horses and branding with them.
14. Track:
15. Number of the tournaments held on
16. Best records on the particular data
17. Detail information in the system of track for statistical data analysis.
18. Teller:
19. This person provides the information to the audience
20. Also maintains the live records in the system that is bid records.
21. Announcement and commentary of the current status.
22. Teller will also have employment in entire racecourse system.
23. Horses:
24. The most important actor of the database system as bidder will bid on one horse.
25. They will belong to particular clan and hence provided by the particular breeder.
26. Maintaining the best records and rank for the statistical data.
27. Also details about the strength, best records for the advertisement of any product by tournament sponsorer.
28. Breeder:
29. Breeder will provide the horses for the racecourse system.
30. They can have multiple horses and must be working under one particular owner
31. Breeder will have specific information regarding the horses and they will also introduce the new horses.
32. Maintain the health record of horses.
33. Audience:
34. Audience can be anyone even bidder can be included in the audience since we are giving racetrack system online and hence they can advantage of watching the race offline.
35. Not everyone will go on race course to enjoy but few bidders will.
36. Audience can later participate in to bidding system or they can help in tournament sponsoring as well.
37. Owner Horses :
38. The owner will own the horses and they can also maintain the breeder also.
39. Breeder will have employment with owners rather than having racetrack system employment.
40. Owners will also maintain the clans of particular horses.
41. Owners can have association with different brands and tournament sponsored
42. Rider:
43. Rider is the rider of the particular horses.
44. Rider can ride on particular horse and own by the horse owner or he/she can be rider.
45. They can also be brand ambassador of the tournament sponsor and represent the brand
46. Administrator:
47. From deciding the betting standard to paying small attention to every transaction and maintaining the transparency of the transaction
48. Ticketing amount and strategizing game
49. Everyone will report to the administrator
50. Maintaining online and offline racetrack system.

Real Queries:

1. Get data for the horses who won the 5 consecutive races on particular track.
2. Data of the track which had maximum bid on the particular race.
3. Owner of the horses who is also rider.
4. The bid statistic of the current race for the bidding.
5. The highest won breed of the particular horse and also its breeding clan.
6. Tickets for the particular tournament to watch the race which is sponsored with privilege of bidding.
7. Consecutive highest bided track.
8. Rider who is representing any brand has highest income.
9. Average ratio spend to income per month of the one horses.(includes the branding income Fx. brand ambassador as well)
10. Brand with best spend and earning in particular race.
11. Owner with maximum won horses having best rider income.
12. Bookie who brought maximum bidder by providing information.
13. The rider who don’t ride one particular horse but instead ride for the race.
14. The teller who spoke the accurate statistic for the most of the matches.
15. Horses who are handicapped and still have the better income than healthy horses.
16. Owner who is ready to bid for the horse sailing.