**DBMS Project**

**Group 55**

**IDEAS**

→ Betting IPL ( Dropped this Idea because it seems somewhat unethical)

→ Reliance Digital (Multiple Different Stores Database might be difficult to handle)

→ Swiggy (Most Common)

→ Online Grofer

→ Trivago for Sports

**SportMasters**

**Stakeholders**

→ Company (Franchise)

→ Employees

→ Customers

→ Branch Manager

→ Payment Platform Company

→ Delivery agent

→ //Marketing Team

→ Brand Ambassador

**Problem Statement**

We aim to model a database for a particular branch of a chain of sports stores. The store sells sports goods related to different sports offline and also delivers them to the customers residence in case of online/bulk orders. The database will contain information about the stock of sports goods, details of employees, customers, products available, events lined up, sports training programs and the order delivery details(for customers and delivery executives).

**Questions for each Stakeholder**

1. **Customers:**

Query:

Previous Order Details

Gift Card Balance

Category Filtration (According to Price, Product Category(Size if applicable), Discount, Ratings)

Product Type (Shoes, etc)

Tracking active orders

Newsletter subscription

//Reviews

1. **Branch Manager**

Query: Product Information (including remaining stock, number of pieces of each product sold

Details of all events

Contact details of stock suppliers

Active orders

Finished orders

Attendance and leave information

Attendance of employees

employee information : employee salary, pay scale, post

//Registered customers details (phone number, customer name, //address - view, edit)

1. **Delivery Agent**

Queries

Ongoing orders

Rating graph: past month deliveries

Time preference of each location

Number of Delivered orders

Attendance and leave information

1. **Brand Ambassador // change to promoter**

Details of upcoming events

//Attendance and leave information

Details of sports podcast

Details about feedback meetings with design team

Past equipment received through the contract

Details regarding Contract, Salary etc

1. **Sports Teacher (for promotion)**

Sports Teacher (Fetches class size, type of training, Name, DOB of student)

Fetching details of students

Fetching Event data (Date, location, time etc)

Prizes won

Paycheck, salary slab

Attendance and leave information

Announces information for students

1. **Employees**

Product details: quantity, price, location in the store,

Customer details: //unique ID, //phone number

Delivery man availability

Paycheck, salary slab

Post/Rank of Employee

Attendance and leave information

1. **Sports Student**

Fee payment details

Details about next class

Checks for announcements

Look for previous teacher reviews

**Entities**

1. **User**(could be manager, employee, customer, delivery agent etc)

Attributes

1. First Name
2. Last Name
3. Age
4. Gender
5. Date of Joining
6. Type of user
7. User ID
8. GiftCard Balance
9. Past Orders
10. Ongoing Orders
11. Email ID
12. Phone Number
13. Address
14. Sports Teacher
15. **Order**
16. Sportswear[]
17. Sports Equipment[]
18. Sports Accessories[]
19. Payment Method
20. Payment Status
21. Total Amount
22. User
23. Special Discounts for old time customers
24. Delivery Address
25. // Type of Order
26. Delivery Status
27. Order Description

1. **Sportswear**
2. Name
3. Discount
4. Price
5. Gender
6. Size
7. Colours
8. Sports[]
9. Age group
10. Location(In case of offline store)
11. availability
12. Product Description
13. **//Returnable (might be used for order reduction)**

1. **Sport Type(e.g. Basketball, badminton , cricket etc)**
   1. Sportswear (T-shirts, wearables eg fitbit)
   2. Sports equipment
   3. Sports shoes
   4. Events
   5. Orders
   6. Sports Description
2. **Sports shoes** 
   1. Name
   2. Discount
   3. Price
   4. Gender
   5. Size
   6. Colours
   7. Sports[]
   8. Age group
   9. Location(In case of offline store)
   10. Availability
   11. Product Description
3. **Event**
4. Location
5. Date
6. Timing
7. Brand Ambassador[]
8. Sport types[]
9. Event Location
10. Mandatory attendees[]
11. Event Description
12. Category

**7) Review**

a)User

b) product (Sportswear, sports shoes, sports equipment)

c) Review content

d) Number of Stars

e) Users[] (array of people who upvoted the review)

8) **Announcement**

1. Sports Teacher(Person who made the announcement)
2. Time(Time for which announcement is valid)
3. Announcement Description
4. Students[](Students for which the announcement is relevant)

**Relationships:**

User **checks** for active orders,

User **checks** for availability of sports wear, sports shoes, sports equipment

User **tracks** orders (past and ongoing)

Customer **reviews** sportswear, sports shoes,sports equipment

Customer **reviews** delivery person

Sports Student **reviews** teacher

Delivery person **delivers** sportswear, sports shoes, sports equipment

Delivery person **picks up** sportswear, sports shoes, sports equipment

Sports Teacher **announces** event information (location,time,sport)

Manager **tracks** availability of stock

//Employee **assigns** Delivery Person

Employee **finds** location of sportswear, sports shoes,sports equipment

Idea #2

Database for a residential society