

CUSTOMER (C-ID, Name, DOB, Gender, ph#, Email, MId, PId
Payment Method)

MEMBERSHIP (MId, plan, Price, Benefits)

CUST-PURCHASE-DETAILS (C-ID, Start Date, End Date)

OFFERS (MId, offer-ID, start Date, End Date, Discount)

GROUND (GID, Capacity, Condition, AId, Emp-ID)

GROUND-SESSIONS (GID, Time, Date, Availability Status)

BOOKS (C-ID, GID, Booking-ID, Booked-Time, Booked-Date,
Duration, No. of people)

ACTIVITY (AId, Name, Price/hr)

EQUIPMENT (EID, Name, price, Qty, Condition, AId, Emp-ID, V-ID)

VENDOR (V-ID, Name, Street, city, Zip#)

EQUIPMENT-PURCHASED-FROM (EID, Date, Qty, Cost)

STAFF (Emp-ID, Name, Role, DOB, Salary, Email, ph#

Gender, Street, Apt#, city, Zip#

Supervisor-id)

CANDIDATE KEYS

1. CUSTOMER :- C-ID, Email, ph#
2. MEMBERSHIP :- MId
3. CUST_PURCHASE-DETAILS :- { C-ID, Start Date, End Date }
4. OFFERS :- { offer-ID, MId }
5. GROUND :- GID
6. GROUND-SESSIONS :- { GID, Time, Date, Availability status }
7. BOOKS :- Booking-ID
8. ACTIVITY :- AId
9. EQUIPMENT :- EId
10. VENDOR :- V-ID
11. EQUIPMENT_PURCHASED-FROM :- { EId, Date, Qty, Cost }
12. STAFF :- Emp-Id, ph#, Email

FUNCTIONAL DEPENDENCIES

1. CUSTOMER:

C-ID \longrightarrow Email, ph#

C-ID \longrightarrow ph#

Email \longrightarrow C-ID, ph#

ph# \longrightarrow Email

ph# \longrightarrow C-ID, Email

Email \longrightarrow C-ID

C-ID \longrightarrow Name, DOB, Gender, MId, PId, Payment Method

2. MEMBERSHIP:

MId \longrightarrow MId, plan, Price, Benefits

3. CUST_PURCHASE - DETAILS:

{ C-ID, Start Date, End Date } \longrightarrow Start Date, End Date

4. OFFERS

{ MId, Offer-ID } \longrightarrow Start Date, End Date, Discount

{ MId, offer-ID } \longrightarrow Discount.

5. GROUND:

GID \longrightarrow Aid, Emp-Id

GID \longrightarrow GID, Capacity, Condition, Aid, Emp-Id

6. GROUND-SESSIONS:

{GID, Time, Date, Availability Status} \longrightarrow Availability Status.

{GID, Time, Date, Availability Status} \longrightarrow Time, Date

7. BOOKS:

Booking-ID \longrightarrow C-ID, GID

Booking-ID \longrightarrow Booked-Time, Booked-Date, Duration, No. of People

Booking-ID \longrightarrow GID, Booked-Time

8. ACTIVITY:

Aid \longrightarrow Aid, Name, Price/hr

Aid \longrightarrow Name

Aid \longrightarrow Price/hr.

9. EQUIPMENT:

EID \longrightarrow Aid, Emp-Id, V-Id

EID \longrightarrow Price, Qty, Condition

EID \longrightarrow Name, Aid

10. VENDOR:

V-ID \longrightarrow Name

V-ID \longrightarrow Street, City, Zip#

11. EQUIPMENT_PURCHASED FROM:

{ EId, Date, Qty, Cost } \longrightarrow Qty, Cost

{ EId, Date, Qty, Cost } \longrightarrow EId, Date

12. STAFF:

Emp-Id \longrightarrow Name, Role, Salary, Gender

Email \longrightarrow Emp-Id, ph#

ph# \longrightarrow Emp-Id, Email

Emp-Id \longrightarrow Email

Email \longrightarrow ph#

ph# \longrightarrow Emp-Id

TEAM 15

ASA UDAY MANI SAI

ANTUM MEHNAZ AKUMALLA