

RELATIONAL MODEL

1. Statusmaster

(StatusId, StatusName)

FD: A->B

CK: A

2. WorkspaceSizeMaster

(WorkspaceSizeId, WorkspaceSizeName)

FD: A->B

CK: A

3. Locations

(LocationID, LocationName, LocationStatusID)

FD: A->B,C

CK: A

LocationStatusID is foreign key referencing StatusId of Statusmaster.

4. Locationworkspacecounts

(LocationID, WorkspaceSizeId, AvailableCount)

FD: AB->C

CK: AB

LocationID refers to Locations and WorkspaceSizeId refers to Workspacesizemaster.

5. Workspaces

(WorkspaceID, LocationId, WorkspaceSizeId, WorkspaceStatusId)

FD: A->B,C,D

CK: A

LocationID refers to Locations. WorkspaceStatusId refers to Statusmaster. WorkspaceSizeId refers to Workspacesizemaster.

6. Workspacestaff

(WorkspaceID, StaffId)

FD: A->B

CK: A

WorkspaceID refers to Workspaces. StaffId refers to Staff.

7. Services

(ServiceID, ServiceName, ServicePrice, ServiceStatusID)

FD: A->B,C,D

CK: A

ServiceStatusID refers to StatusId of Statusmaster.

8. Admin

(adminId, Username, UserPassword, UserStatusId, FirstName, LastName, EmailID, PhoneNo)

FD:

A->B,C,D,E,F,G,H

B->A,C,D,E,F,G,H

G->A,B,C,D,E,F,H

CK: A,B,G

adminID refers to StatusId of Statusmaster.

9. Customers

(customerId, Username, UserPassword, UserStatusId, FirstName, LastName, DOB, Gender, EmailID, PhoneNo, AddressLine1, AddressLine2, City, Pincode, WalletAmount)

FD:

A->B,C,D,E,F,G,H,I,J,K,L,M,N,O

B->A,C,D,E,F,G,H,I,J,K,L,M,N,O

I->A,B,C,D,E,F,G,H,J,K,L,M,N,O

CK: A,B,I

CustomerId refers to Statusmaster.

10. Staff

(StaffId, Username, UserPassword, UserStatusId, FirstName, LastName, DOB, Gender, AddressLine1, AddressLine2, City, Pincode, EmailID, WorkLocationId, PhoneNo, StaffTotalPoints, StaffRatedMembersCount)

FD:

A->B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q

B-> A,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q

M-> A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q

CK: A,B,M

StaffId refers to Statusmaster. WorkLocationID refers to LocationId of Locations table.

11. Staffservices

(StaffID, ServiceID)

FD: AB->AB

CK: AB

StaffID refers to Staff table. ServiceID refers to Services table.

12. Workspacebookings

(BookingId, CustomerId, WorkSpaceId, StaffId, CheckinTime, CheckoutTime, ChargedAmount, RefundAmount, BookingstatusId, IsProcessed, IsMailSent, BookedTime, FeedbackKey)

FD: A->B,C,D,E,F,G,H,I,J,K,L,M

CK: A

CustomerId refers to Customers table. WorkspaceId refers to Workspaces table. StaffId refers to Staff table. BookingStatusID refers to Statusmaster.

13. Bookingservices

(BookingId, ServiceID, Quantity, ServicePrice)

FD: AB->D,E

CK: AB

BookingID refers to Workspacebookings. ServiceID refers to Services.

14. Wallettransactions

(TransactionId, TransactionText, CustomerId, Amount, TransactionSuccess)

FD: A->B,C,D,E

CK: A

CustomerId refers to Customers table.

15. Customerfeedbacks

(FeedbackId, BookingId, OverallRating, RatingOnStaff, FeedbackText, FeedbackTime)

FD: A->B,C,D,E,F

CK: A

BookingId refers to Workspacebookings.

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Requirements:

1. The workspaces are available in different locations.
2. Each location has a unique location id, location name and location status id.
3. A location may have several workspaces of different sizes.
4. A workspace has a workspace id, workspace name, workspace status id and workspace size id.
5. Each status id has a corresponding status name and each workspace size id has a corresponding size name.
6. Each Workspace is present only in one location.
7. Each workspace has a specific size.
8. Each workspace is managed by a specific staff.
9. A staff is identified by unique staff id, username, password, status id, first name, last name, dob, gender, address, city, pincode, email id, phone number, rating.
10. Each staff works at a specific location.
11. Every staff provides one or more services.
12. Each service is identified by unique service id, service name, price and status.
13. The application is managed by Admin, who is identified by unique admin id, username, password, status id, first name, last name, email id, phone number.
14. The application is used by customers who are identified by unique customer id, username,

password, status id, first name, last name, dob, gender, address, city, pincode, email id, phone number.

15. The customer can book a workspace as per their preferences and each booking is identified by unique booking id.

16. The customer can book a workspace by providing details like check-intime, check-outtime and then by choosing the facilities/services.

17. A booking can be cancelled or modified later and corresponding refund charges apply.

18. Each booking has a booking status.

19. Each booking can be associated with 0 or more services.

20. Each customer has a wallet from which the amount is deducted.

21. Each customer can view his wallet transactions.

22. Each transaction is identified by a unique transaction id, text, amount and status.

23. The customer can provide feedback for the corresponding bookings.

24. The feedback is identified by a unique feedback id.

25. Customer can give rating(overall rating and staff rating) and feedback text.

26. The rating is associated with the staff.

