

Users

Column Name	Business Description	Data Type	Constraints	Domain Values
User_ID	Unique identifier for each user account.	VARCHAR(50)	Primary Key, Not Null	N/A
User_Name	The full name of the user.	VARCHAR(255)	Not Null	N/A
Email	The unique email address of the user.	VARCHAR(255)	Not Null, Unique	Must be a valid email format.
Company	The company associated with the user.	VARCHAR(255)	Nullable	N/A
Plan_Type	The subscription plan of the user.	VARCHAR(50)	Not Null	'Free', 'Pro', 'Business', 'Enterprise'

Meetings

Column Name	Business Description	Data Type	Constraints	Domain Values
Meeting_ID	Unique identifier for each meeting.	VARCHAR(50)	Primary Key, Not Null	N/A
Host_ID	Foreign key linking the meeting to its host user.	VARCHAR(50)	Not Null, Foreign Key to Users(User_ID)	Must exist in the Users table.
Meeting_Topic	The name or topic of the meeting.	VARCHAR(255)	Nullable	N/A
Start_Time	The timestamp when the meeting began.	DATETIME	Not Null	N/A
End_Time	The timestamp when the meeting concluded.	DATETIME	Not Null	Must be later than Start_Time.
Duration_Minutes	The duration of the meeting in minutes.	INT	Not Null	Must be a positive integer.

Participants

Column Name	Business Description	Data Type	Constraints	Domain Values
Participant_ID	Unique identifier for a participant in a meeting.	VARCHAR(50)	Primary Key, Not Null	N/A
Meeting_ID	Foreign key linking the participant to a specific meeting.	VARCHAR(50)	Not Null, Foreign Key to Meetings(Meeting_ID)	Must exist in the Meetings table.
User_ID	Foreign key linking the participant to a user account.	VARCHAR(50)	Nullable, Foreign Key to Users(User_ID)	Must exist in the Users table. (Nullable to account for anonymous participants.)
Join_Time	The timestamp when the participant joined the meeting.	DATETIME	Not Null	Must be between Meetings.Start_Time and Meetings.End_Time.
Leave_Time	The timestamp when the participant left the meeting.	DATETIME	Not Null	Must be later than Join_Time.

Feature_Usage

Column Name	Business Description	Data Type	Constraints	Domain Values
Usage_ID	Unique identifier for a feature usage event.	VARCHAR(50)	Primary Key, Not Null	N/A
Meeting_ID	Foreign key linking the feature usage to a specific meeting.	VARCHAR(50)	Not Null, Foreign Key to Meetings(Meeting_ID)	Must exist in the Meetings table.
Feature_Name	The name of the feature used.	VARCHAR(100)	Not Null	'Screen Sharing', 'Chat', 'Recording', 'Whiteboard', 'Virtual Background', etc.
Usage_Count	The number of times the feature was used during the meeting.	INT	Not Null	Must be a positive integer.
Usage_Date	The date the feature was used.	DATE	Not Null	N/A

Webinars

Column Name	Business Description	Data Type	Constraints	Domain Values
Webinar_ID	Unique identifier for each webinar.	VARCHAR(50)	Primary Key, Not Null	N/A
Host_ID	Foreign key linking the webinar to its host user.	VARCHAR(50)	Not Null, Foreign Key to Users(User_ID)	Must exist in the Users table.
Webinar_Topic	The topic or title of the webinar.	VARCHAR(255)	Not Null	N/A
Start_Time	The timestamp when the webinar began.	DATETIME	Not Null	N/A
End_Time	The timestamp when the webinar ended.	DATETIME	Not Null	Must be later than Start_Time.
Registrants	The total number of users who registered for the webinar.	INT	Not Null	Must be a non-negative integer.

Support_Tickets

Column Name	Business Description	Data Type	Constraints	Domain Values
Ticket_ID	Unique identifier for each support ticket.	VARCHAR(50)	Primary Key, Not Null	N/A
User_ID	Foreign key linking the ticket to the user who submitted it.	VARCHAR(50)	Not Null, Foreign Key to Users(User_ID)	Must exist in the Users table.
Ticket_Type	The category of the support issue.	VARCHAR(100)	Not Null	Audio Issue, Video Issue, Connectivity, Billing Inquiry, Feature Request, Account Access
Resolution_Status	The current status of the support ticket.	VARCHAR(50)	Not Null	Open, In Progress, Pending Customer, Closed, Resolved
Open_Date	The date the ticket was opened.	DATE	Not Null	N/A

Licenses

Column Name	Business Description	Data Type	Constraints	Domain Values
License_ID	Unique identifier for each license.	VARCHAR(50)	Primary Key, Not Null	N/A
License_Type	The type of license granted.	VARCHAR(50)	Not Null	Pro, Business, Enterprise, Education
Assigned_To_User_ID	Foreign key linking the license to the user it's assigned to.	VARCHAR(50)	Nullable, Foreign Key to Users(User_ID)	Must exist in the Users table or be NULL if unassigned.
Start_Date	The date the license became active.	DATE	Not Null	N/A
End_Date	The date the license expires.	DATE	Not Null	Must be later than Start_Date.

Billing_Events

Column Name	Business Description	Data Type	Constraints	Domain Values
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Event_ID	Unique identifier for each billing event.	VARCHAR(50)	Primary Key, Not Null	N/A
User_ID	Foreign key linking the billing event to the user.	VARCHAR(50)	Not Null, Foreign Key to Users(User_ID)	Must exist in the Users table.
Event_Type	The type of billing event.	VARCHAR(100)	Not Null	Subscription Fee, Subscription Renewal, Add-on Purchase, Refund
Amount	The monetary value of the billing event.	DECIMAL(10, 2)	Not Null	Must be a non-negative number.
Event_Date	The date the billing event occurred.	DATE	Not Null	N/A