

Luminary Visual Database Schema

1. Users Table

Holds information about all users (editors, clients, admin).

Column	Type	Description
UserId	INT (PK)	Unique ID for each user
GoogleId	VARCHAR(255)	Username for login
Username	VARCHAR(50)	Encrypted password
Email	VARCHAR(50)	User's email
RoleId	INT (FK)	References Roles.RoleId (can be updated by Admin)

- **Default Role:** Set **RoleId** to default to the 'Client' role, which means that any new user starts as a client.

2. Roles Table

Defines the roles: Editor, Client, and Admin. Default is Client, unless changed by Admin (to be an editor). Can add Important Client role if needed.

Column	Type	Description
RoleId	INT (PK)	Unique ID for each role
RoleName	VARCHAR(50)	Role name (e.g., 'Admin', 'Editor', 'Client')

3. Projects Table

Holds information about video editing projects.

Column	Type	Description
ProjectId	INT (PK)	Unique ID for each project
ProjectName	VARCHAR(255)	Name of the project
Description	TEXT	Description of the project
ShootDate	DATE	Date of the shoot
DueDate	DATE	Due date for the project
ProgressBar	INT	Percentage of progress (0-100)
WorkingMonth	DATE	The month of active work
Delivered	BOOLEAN	Indicates if the project is delivered

4. VideoEditors Table

Associates editors and assistant editors with a project.

Column	Type	Description
VideoEditorId	INT (PK)	Unique ID for each entry
ProjectId	INT (FK)	References Projects.ProjectId
UserId	INT (FK)	References Users.UserId (editor)
Role	VARCHAR(50)	'Editor' or 'Assistant Editor'

5. VideoStatus Table

Tracks the status of videos and their editors/clients.

Column	Type	Description
StatusId	INT (PK)	Unique ID for each status entry
ProjectId	INT (FK)	References Projects.ProjectId
UserId	INT (FK)	References Users.UserId
StatusType	VARCHAR(50)	Type of status ('Editor', 'Client')

6. Payments Table (In Progress)

Handles editor payments and client payment status. (To be modified according to the needs (for example adding billable by seconds or minutes or different prices))

Column	Type	Description
PaymentId	INT (PK)	Unique ID for each payment
UserId	INT (FK)	References Users.UserId (editor)
ProjectId	INT (FK)	References Projects.ProjectId
WorkingHours	DECIMAL(5,2)	Total working hours
Overtime	DECIMAL(5,2)	Overtime hours worked
Undertime	DECIMAL(5,2)	Undertime hours
EditorPayment	DECIMAL(10,2)	Amount paid to the editor
EditorDatePaid	DATE	Date when payment was made
BillableHours	DECIMAL(5,2)	Hours billable to the client
Price	DECIMAL(10,2)	Price for the billable hours
ClientVisible	BOOLEAN	Is this payment visible to the client
ClientPaymentStatus	VARCHAR(50)	'Pending', 'Completed', 'Failed'

7. Archive Table

Holds archived projects and can only be accessed by the admin.

Column	Type	Description
ArchiveId	INT (PK)	Unique ID for each archive
ProjectId	INT (FK)	References Projects.ProjectId
ArchiveDate	DATE	Date the project was archived
Reason	TEXT	Reason for archiving the project

8. Chat Table

Facilitates communication between clients and the company. Clients can send any message, and editors can reply, but all editor messages require admin approval.

Column	Type	Description
ChatId	INT (PK)	Unique ID for each chat message
UserId	INT (FK)	References Users.UserId (sender of the message)
ProjectId	INT (FK)	References Projects.ProjectId (related project)
Message	TEXT	Content of the message
Timestamp	DATETIME	Date and time the message was sent
IsEditorMessage	BOOLEAN	Indicates if the message was sent by an editor
IsApproved	BOOLEAN	Indicates if the message has been approved by admin

Relationships and Access Permissions

- **Editors and Assistant Editors:** Linked to **Projects** through the **VideoEditors** table, where they can update fields like **ProgressBar**, **WorkingMonth**, and **Delivered**.
- **Clients:** Can view **ProgressBar**, **Delivered** status, and certain payment details if **ClientVisible** is true.
- **Admin:** Can view and access all tables, including the **Archive** and **Chat**.

Summary of Permissions

Field	Editor Access	Client Access	Admin Access
Status	Full Access	Full Access	Full Access
Video Editor	View Only	No Access	Full Access
Assistant Editor	View Only	No Access	Full Access
ShootDate	View Only	Full Access	Full Access
ClientName	View Only	View Only	Full Access
ProjectName	View Only	Full Access	Full Access
ProjectDescription	View Only	Full Access	Full Access
DueDate	Full Access	No Access	Full Access
ProgressBar	Full Access	View Only	Full Access

Field	Editor Access	Client Access	Admin Access
WorkingMonth	View Only	No Access	Full Access
BillableHours	Full Access	No Access	Full Access
Delivered	Full Access	View Only	Full Access
WorkingHours	View Only	No Access	Full Access
Overtime	View Only	No Access	Full Access
EditorPayment	View Only	No Access	Full Access
EditorDatePaid	View Only	No Access	Full Access
Price	No Access	Conditional Access	Full Access
ClientPaymentVisible	No Access	No Access	Full Access
ClientPaymentStatus	Full Access	View Only	Full Access
Archive	No Access	No Access	Full Access
Chat	Reply with Admin Approval	Send Messages	View All Messages