To design the **ER (Entity-Relationship) Diagram** for your freelancing platform, we will define core entities and their relationships.

**✅ Core Entities in Your Application**

1. **User**
2. **Freelancer Profile**
3. **Client Profile**
4. **Project**
5. **Bid**
6. **Contract**
7. **Payment**
8. **Review**
9. **Message**
10. **Notification**
11. **Dispute**
12. **Support Ticket**
13. **Wallet**
14. **KYC**
15. **Admin**

**📘 ER Diagram Structure (Description)**

**1. User**

* user\_id (PK)
* email (Unique)
* password
* role (ENUM: Freelancer, Client, Admin)
* is\_verified
* created\_at

✅ **Relationships:**

* 1:1 with Freelancer Profile
* 1:1 with Client Profile
* 1:N with Project, Bid, Contract, Review, Message, Notification

**2. FreelancerProfile**

* freelancer\_id (PK, FK to User)
* skills
* experience
* rating
* portfolio\_url

**3. ClientProfile**

* client\_id (PK, FK to User)
* company\_name
* website
* bio

**4. Project**

* project\_id (PK)
* client\_id (FK to ClientProfile)
* title
* description
* budget\_min
* budget\_max
* status (Posted, In Progress, Completed)
* created\_at

✅ **1:N with Bids**

**5. Bid**

* bid\_id (PK)
* project\_id (FK)
* freelancer\_id (FK)
* amount
* proposal\_text
* status (Pending, Accepted, Rejected)
* timestamp

**6. Contract**

* contract\_id (PK)
* bid\_id (FK)
* start\_date
* end\_date
* terms
* status

**7. Payment**

* payment\_id (PK)
* contract\_id (FK)
* amount
* status
* method
* payment\_date

**8. Review**

* review\_id (PK)
* from\_user\_id (FK)
* to\_user\_id (FK)
* rating
* comment
* project\_id (FK)

**9. Message**

* message\_id (PK)
* sender\_id (FK)
* receiver\_id (FK)
* content
* timestamp

**10. Notification**

* notification\_id (PK)
* user\_id (FK)
* message
* status (Read/Unread)
* timestamp

**11. Dispute**

* dispute\_id (PK)
* contract\_id (FK)
* raised\_by (FK to User)
* reason
* status
* resolution

**12. SupportTicket**

* ticket\_id (PK)
* user\_id (FK)
* subject
* description
* status
* admin\_response

**13. Wallet**

* wallet\_id (PK)
* user\_id (FK)
* balance
* last\_updated

**14. KYC**

* kyc\_id (PK)
* user\_id (FK)
* pan\_number
* aadhar\_number
* status
* document\_path

Would you like me to generate a **visual ER diagram** now?