

✓ **Functional Requirements**

A private SaaS freelancing marketplace, where admin post projects, and freelancers/interns from your community bid/apply on them

1. User Roles

a. Admin / Job Poster (You or Company)

- Register and log in
- Create and manage job listings (title, description, category, budget, deadline)
- View all bids on posted jobs
- Accept or reject bids
- Assign selected freelancer to job
- Create tasks/milestones for the job
- Communicate with freelancer via messaging system
- Track job progress
- Approve submitted work or tasks
- Leave feedback and rating after job completion
- Generate and issue job completion certificate (PDF or email)

b. Freelancer / Intern

- Register and log in
- Create a personal profile (name, skills, experience, bio, rating)
- Browse available jobs
- Submit custom bids (price, timeline, proposal message)
- View bid status (pending, accepted, rejected)
- Chat with job poster
- View assigned tasks/milestones
- Mark tasks as complete
- Upload completed work
- Receive feedback and rating
- Download job completion certificate (if issued)

☐ **Core Modules & Features**

1. Authentication

- Secure signup/login system
- Role-based access control (Admin/Freelancer)

2. Job Management (Admin only)

- Post a new job with:
 - Title
 - Description
 - Category
 - Budget
 - Deadline
- View, edit, or delete existing jobs
- View all received bids for each job
- Assign freelancer to job
- Set job status (Open, Assigned, Completed)

3. Bidding System

- Freelancers view list of open jobs
- Submit a bid with:
 - Proposed price
 - Estimated timeline
 - Message/proposal
- Admin can view all bids on a job
- Admin accepts or rejects bids

4. Messaging System

- Private chat per job (one-to-one: poster ↔ freelancer)
- Supports text messages and file sharing
- Show message status (sent, delivered, read)

5. Task Tracking (Workroom)

- Admin creates a list of tasks/milestones for assigned job
- Each task includes:
 - Title
 - Status (To Do, In Progress, Done)
 - Assigned Freelancer (default is the job winner)
- Freelancer marks task as completed
- Admin reviews and approves each task

6. Feedback & Ratings

- After marking job as completed:
 - Admin rates freelancer (1–5 stars + comment)
 - Freelancer rates job poster (optional)
- Ratings are visible on freelancer profiles

7. Certificate Generator (Optional)

- Admin can generate a job completion certificate for the freelancer
 - Export to PDF or email delivery
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Database Requirements (Key Entities)

Users

- id
- name
- email
- password
- role (admin or freelancer)
- skills
- bio
- rating

Jobs

- id
- title
- description
- budget
- deadline
- category
- status (open, assigned, completed)
- poster_id (user ID)

Bids

- id
- job_id
- user_id
- bid_amount
- message
- timeline
- status (pending, accepted, rejected)

Messages

- id
- job_id

- from_user_id
- to_user_id
- content
- file_url (if any)
- timestamp

Tasks

- id
- job_id
- title
- status (todo, doing, done)
- assigned_user_id

Ratings

- id
- job_id
- rated_by_user_id
- rated_user_id
- rating (1–5)
- comment

Certificates (Optional)

- id
- job_id
- user_id
- pdf_url
- issued_date

Notes

- Every job must have at least one bid to be assigned
- A job can only be assigned to one freelancer
- A freelancer can bid on multiple jobs but only one bid per job
- Messaging is limited to jobs you are bidding on or assigned to
- Tasks must be approved by the admin before marking job complete