Ideation Phase
Brainstorm & Idea Prioritization Template

Date	31 January 2025
Team ID	LTVIP2025TMID54850
Project Name	FreelanceFinder
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https://www.mural.co/templates/brainstorm-and-idea-prioritization

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

- Freelancer profile verification
- Skill-based job matching
- Zero/low commission model
- Client-freelancer review system
- Freelance learning hub
- Referral and reward system

Person 1

Client-freelancer review system

Person 2

Freelancer profile verification

Person 3

Zero/low commission model

Person 4

Freelance learning hub

3

Group ideas

We prioritized ideas using an Impact vs. Feasibility Matrix. High-impact and feasible ideas included freelancer verification and client reviews. More complex ideas like smart matching algorithms were marked for long-term implementation.

🕐 20 minutes

TIP 💡
Zero/low commission model

TIP 💡
• Referral and reward system
•

TIP 💡
• Skill-based job matching

Step-3: Idea Prioritization

4

Prioritize

- High Impact & Low Effort: Freelancer Verification, Reviews
- High Impact & High Effort: Matching Algorithm
- Nice to Have: Learning Hub

🕐 20 minutes

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)
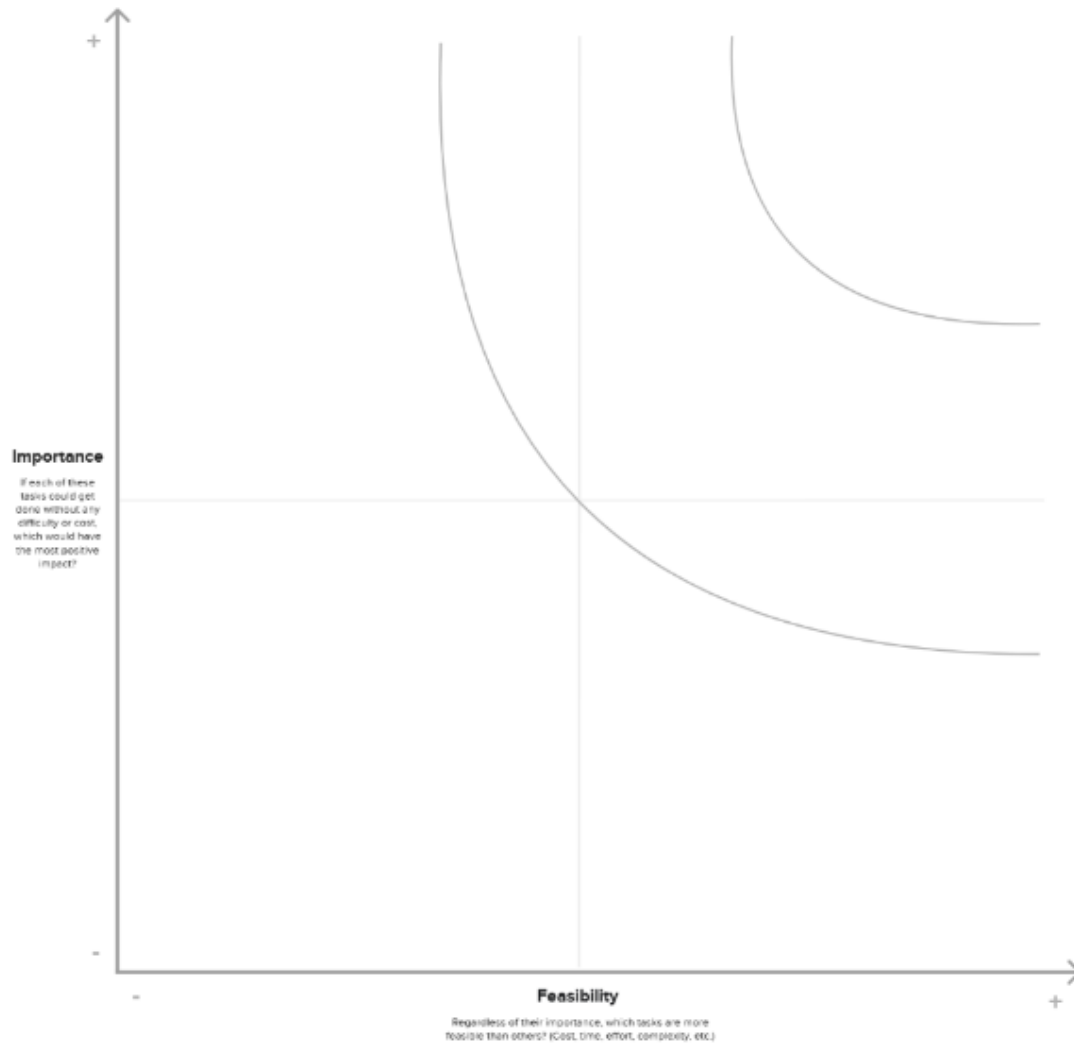
Ideation Phase
Define the Problem Statements

Date	31 January 2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance finder
Maximum Marks	2 Marks

Customer Problem Statement Template:

To define the core problems freelancers face while searching for jobs online, and use those insights to guide the development of Freelance Finder.

Reference: https://miro.com/templates/customer-problem-statement/
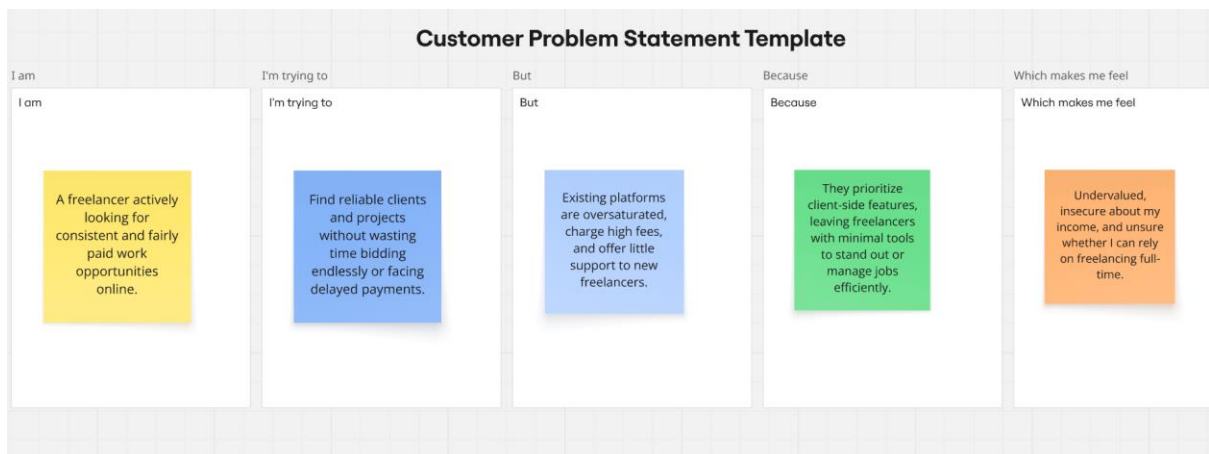
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	freelance web developer.	land steady projects	competition on mainstream platforms is overwhelming	many clients opt for the cheapest bid	frustrated and demotivated.
PS-2	freelance graphic designer	showcase my portfolio to potential clients effectively,	platform limits personal branding tools		I can't stand out or grow my career.

Ideation Phase
Empathize & Discover

Date	31 January 2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	4 Marks

Empathy Map Canvas:

Understand the needs, frustrations, and behaviors of freelance professionals seeking consistent work through a platform like Freelance Finder.

GOAL

What do they need to DO?
- Regularly update profiles and portfolios.
- Check job listings multiple times a day.
- Reach out or apply for gigs frequently.
- Communicate with potential clients via chat or calls.

What do they HEAR?
- Frustrated when they don't hear back from clients.
- Anxious about income stability.
- Hopeful when a platform seems promising.
- Overwhelmed by competition.

What do they THINK and FEEL?

PAINS
- High platform fees.
- Lack of visibility for new freelancers.
- Delayed or unclear payments.
- No support in resolving disputes.

GAINS
- A trusted platform that matches the right freelancers with clients.
- Timely payments and fair contracts.
- A system that highlights skills and experience.
- Community features for growth, mentorship, and support.

What do they SAY?
- "I want a platform that actually gets me clients regularly."
- "I hate bidding against 100 people for one job."
- "I need to showcase my work easily."

What do they DO?
- Regularly update profiles and portfolios.
- Check job listings multiple times a day.
- Reach out or apply for gigs frequently.
- Communicate with potential clients via chat or calls.

Reference: https://www.mural.co/templates/empathy-map-canvas

User Acceptance Testing (UAT) Template

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	

Project Overview:

Project Name: Freelance Finder

Description: A web-based platform that connects freelancers with clients. It includes profile Project creation, job postings, application tracking, messaging, and payment integration.

Project Version:v1.0.0

Testing Period: 2025-05-26 to 2025-06-02

Testing Scope:

- User registration and login

- Freelancer and client profile creation

- Job posting and job application

- Messaging system

- Payment gateway integration

- Job status updates (e.g., applied, hired, completed)

- Search and filter functionalities

- Review and rating system

Requirements to be Tested:

- As a freelancer, I want to apply for jobs easily.

- As a client, I want to post jobs and hire freelancers.

- As a user, I want secure login and payments.

- As an admin, I want to manage reported users and disputes.

Testing Environment:

Testing Environment

- **URL**: https://freelancefinder.example.com

- **Credentials**:

    - **Freelancer**: test.freelancer@example.com / password123

    - **Client**: test.client@example.com / password123

    - **Admin**: admin@example.com / adminpass

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	User Registration	1. Visit site 2. Click "Sign Up" 3. Fill & submit form	[Describe the expected outcome]	Account created, redirected to dashboard	[Pass/Fail]
... TC-002	... Post a Job (Client)	... 1. Login as client 2. Go to "Post Job" 3. Submit form	...Job appears on homepage	...	...

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Error on job posting form	1. Login as client 2. Submit empty form	Medium	Open	Form should show validation
...	...	...	...	...	...

Sign-off:

Tester Name:

Date: 26-05-2025

Signature:

Notes:

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	2 Marks

Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that the Freelance Finder platform addresses key gaps in the freelance job market and aligns with the real needs of both clients and freelancers. This validation is critical before scaling the platform.

Purpose:

- Bridge the gap between clients looking for reliable freelance talent and freelancers seeking trustworthy, well-paying gigs.

- Offer a unified platform that handles project lifecycle—from job posting to payment—without relying on multiple tools.

- Enable secure, milestone-based transactions to build trust.

- Provide visibility and opportunity for new freelancers through smart matching and rating systems.

- Improve hiring and project success rates through a real-time chat, review system, and user-friendly experience.

Problem Statement:

Many clients and freelancers face challenges such as:

- Lack of trust and accountability in freelance job platforms

- Scattered communication and workflow tools

- Delays in payment processing and dispute resolution

- Difficulty in finding qualified freelancers or relevant jobs

- No centralized performance tracking and review system

Solution:

Freelance Finder, a modern full-stack freelance platform, offers:

- End-to-end job management including posting, bidding, and hiring

- Escrow payment system and milestone-based tracking

- Smart job recommendations using filters, tags, and user behavior

- Real-time messaging and notification system

- Profile and portfolio pages for freelancers and clients

- Admin-controlled dispute resolution and user reporting features

- Freemium model with premium features like project boost, analytics, and early-bid access

Project Design Phase
Proposed Solution Template

Date	26-06-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	2 Marks

Proposed Solution for Freelance Finder

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Many freelancers and clients face difficulty in connecting efficiently, managing projects, ensuring trust, and securely handling payments. The lack of real-time interaction, smart matching, and end-to-end transparency leads to dropped projects and dissatisfaction.
2	Idea / Solution Description	The Freelance Finder platform is a full-stack web application (React frontend + Node.js backend) that enables clients to post jobs, freelancers to apply, and both parties to collaborate through real-time messaging and secure payments. Admin controls help manage disputes and community standards.
3	Novelty / Uniqueness	- Intelligent job matching using keyword tagging and filters - Built-in real-time messaging system - Milestone-based payments with escrow options - Admin dispute resolution system - Optional video call integration
4	Social Impact / Customer Satisfaction	- Empowers freelancers globally to earn from anywhere - Helps businesses scale using flexible, project-based hiring - Transparent ratings & reviews enhance platform trust - Reduces hiring friction and supports gig economy growth
5	Business Model (Revenue Model)	- Freemium access for freelancers - Commission on each successful payment transaction - Premium membership for job visibility boost and analytics - Enterprise client plans for bulk hiring and management
6	Scalability of the Solution	Expandable to global markets with multi-language and multi-currency support - Mobile-first design with future support via React Native

| | | - Modular architecture for quick integration of features like video calling, AI resume screening, and payment gateways |

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for **Freelance Finder** ensures a robust, user-friendly, and scalable platform that connects clients with skilled freelancers. The architecture focuses on responsive design, secure transactions, intelligent matching, and real-time messaging to ensure smooth project workflows and high user satisfaction.

- Seamless job posting and freelancer application

- End-to-end project lifecycle management

- Scalable user authentication and authorization

- Secure and trackable payment transactions

- Reliable real-time chat and notifications

Example - Solution Architecture Diagram:

Solution Architecture

Freelance Finder

Client

Freelancer

Data s Storage

Data Storage

Presentation

Frontend

Backend API

Authentication

Real-Time Communication

Database

Batabase

Payment Integration

DB

Deploymen

CI/CD
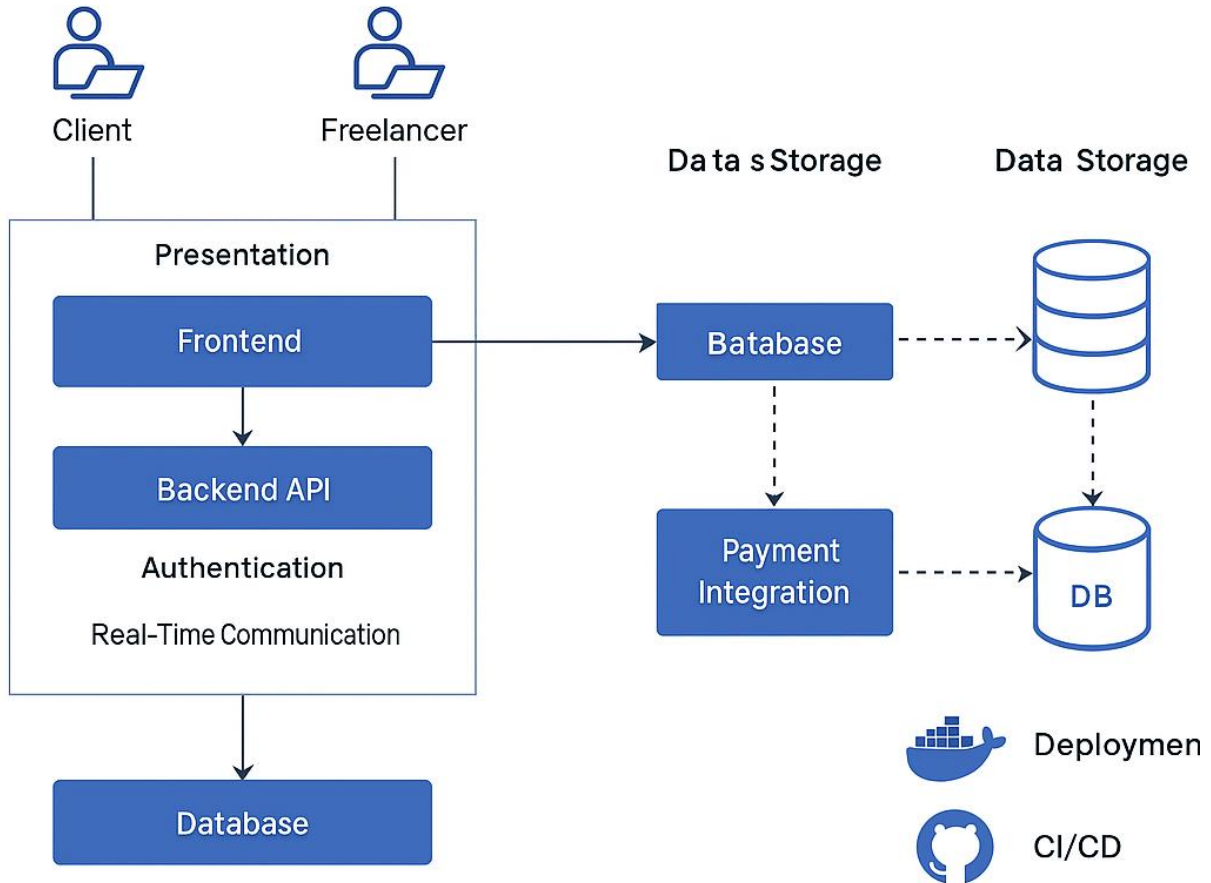
Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication	USN-1	As a user, I can sign up and log in securely.	3	High	
		USN-2	As a user, I can reset my password.	2	Medium	
Sprint-2	Job Posting & Browsing	USN-3	As a client, I can post a freelance job.	2	High	
Sprint-3	Application & Messaging	USN-4	As a freelancer, I can browse and filter jobs.	3	High	
		USN-5		2	High	

			As a freelancer, I can apply for jobs.			
		USN-6	As a user, I can send/receive messages.	2	Medium	
Sprint-4	Payment Integration & Reviews	USN-7	As a client, I can pay freelancers securely.	3	High	
		USN-8	As a user, I can leave a review after project completion.	2	Medium	
		USN-9	As a user, I can change my password.	2	Medium	

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	1 May 2025	2 june 2025	20	2 june 2025
Sprint-2	20	6 Days	3 May 2025	4 june 2025	20	4 june 2025
Sprint-3	20	6 Days	5 May 2025	6 june 2025	20	6 june 2025
Sprint-4	20	6 Days	7 May 2025	8 june 2025	20	8 june 2025

Project Design Phase-II
Data Flow Diagram & User Stories

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	4 Marks

Data Flow Diagrams:

A **Data Flow Diagram (DFD)** illustrates how data moves within the Freelance Finder platform. It captures how users (freelancers and clients) interact with the system, how information flows between different components, and where the data is stored.

Example: DFD Level 0 (Industry Standard)
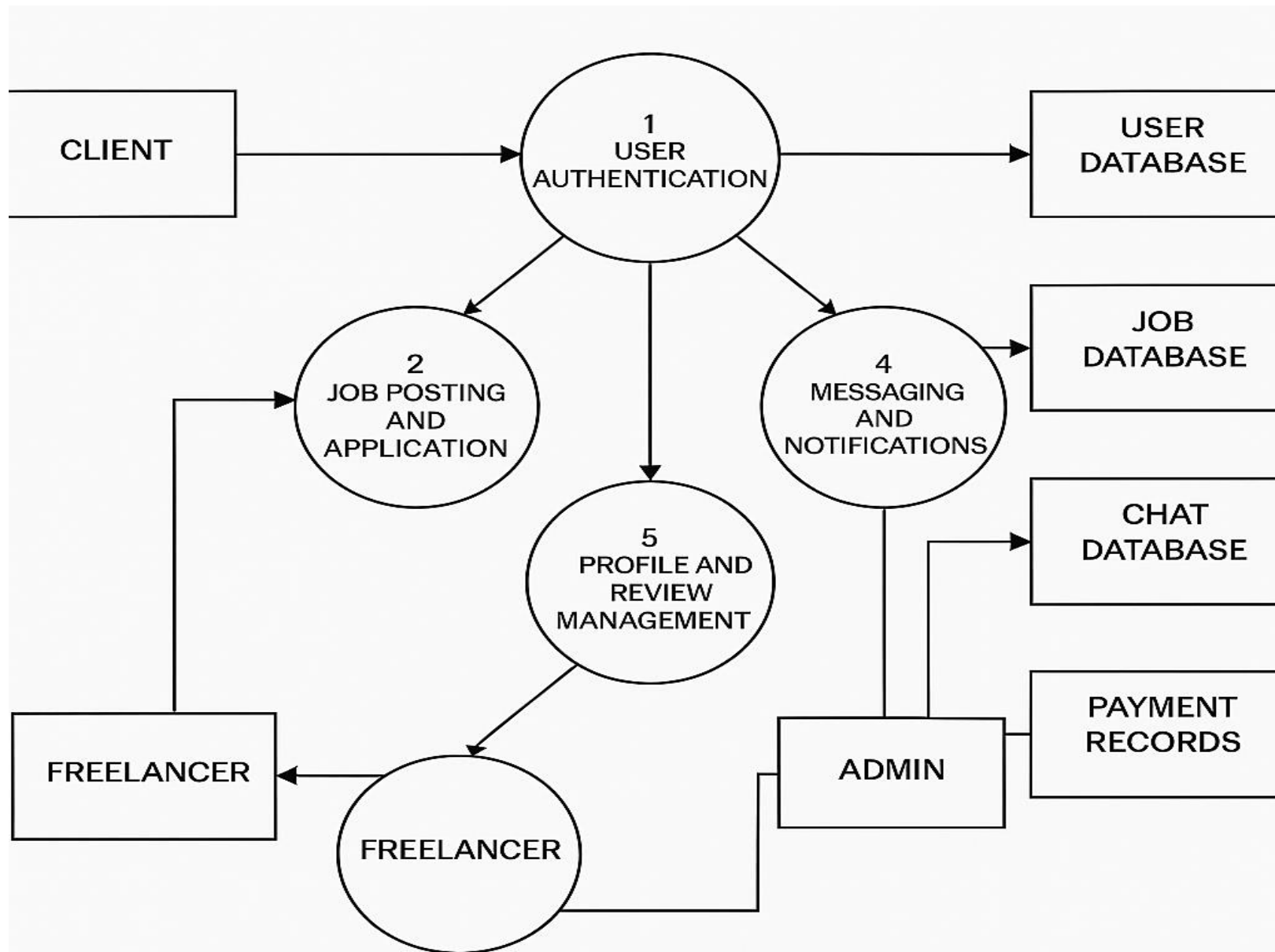
DFD LEVEL 0 — FREELANCE FINDER

User Stories

User Story Table – Freelance Finder

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Client	Job Posting	As a client, I can post a new freelance job.	Job appears on homepage and my dashboard.	High	Sprint-1
	Job Browsing	As a freelancer, I can browse and filter available jo	Filter returns relevant results.	Medium	Sprint-2

Freelancer	Job Application	As a freelancer, I can apply to a job with a proposal.	Application visible to client.	High	Sprint-1
User	Messaging	As a user, I can chat with the other party in real-time.	Messages appear instantly.	Medium	Sprint-2
Freelancer	Profile Management	As a freelancer, I can update my profile and portfolio.	Changes are saved successfully.	High	Sprint-2
Client	Payment Processing	As a client, I can make secure payments after job completion.	Payment recorded and shown in transaction history.	High	Sprint-2
user	Review System	As a user, I can leave a review after project closure.	Review appears on profile.	Medium	Sprint-2
Admin	User Moderation	As an admin, I can review reported users and take action.	Reports and actions logged.	High	Sprint-1

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements – Music Streaming App

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset
		OAuth login using Google / GitHub
FR-2	**Job Posting & Discovery**	Post freelance jobs (clients)
		Browse and search jobs (freelancers)
		Create and Manage Playlists
FR-3	**Job Application & Management**	Freelancers apply to jobs
		Clients review and shortlist applications

FR-4	**Messaging**	Real-time chat between freelancers and clients

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The platform should offer a clean, intuitive UI for users of all skill levels.
NFR-2	**Security**	All data transfers must be encrypted. Implement role-based access and token auth.
NFR-3	**Reliability**	Ensure job posting, messaging, and payments work reliably under all conditions.
NFR-4	**Performance**	Pages should load within 2 seconds. Chat and job posting actions should be near-instant.
NFR-5	**Availability**	The system should maintain 99.9% uptime across all services.
NFR-6	**Scalability**	

		Should support high concurrency and rapid feature scaling through microservices.

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	26-05-2025
Team ID	LTVIP2025TMID54850
Project Name	Freelance Finder
Maximum Marks	4 Marks

Technical Architecture:

The Freelance Finder platform is designed with a scalable 3-tier architecture that includes the presentation layer (frontend), business logic (backend), and data storage layer. The solution ensures performance, security, and ease of integration with third-party APIs (e.g., Stripe for payments).

Table-1 : Components & Technologies:

S.no	Component	Description	Technology
1.	User Interface	Web-based interface for clients and freelancers	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Job posting, application, dashboard, messaging	Node.js, Express.js
3.	Application Logic-2	Admin panel, job tracking, notifications	React js, Node js
4.	Database	Stores user data, jobs, applications, messages	MongoDB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
5.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, BootStrap, Tailwind CSS
6.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

References:

React.js Documentation

Node js Best Practice

JSON Web Server Referance

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d