Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 February 2026
Team ID (SkillWallet ID)	LTVIP2026TMIDS24279
Project Name	FreelanceFinder: Discovering Opportunities, Unlocking Potential
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.

DFD Level 0

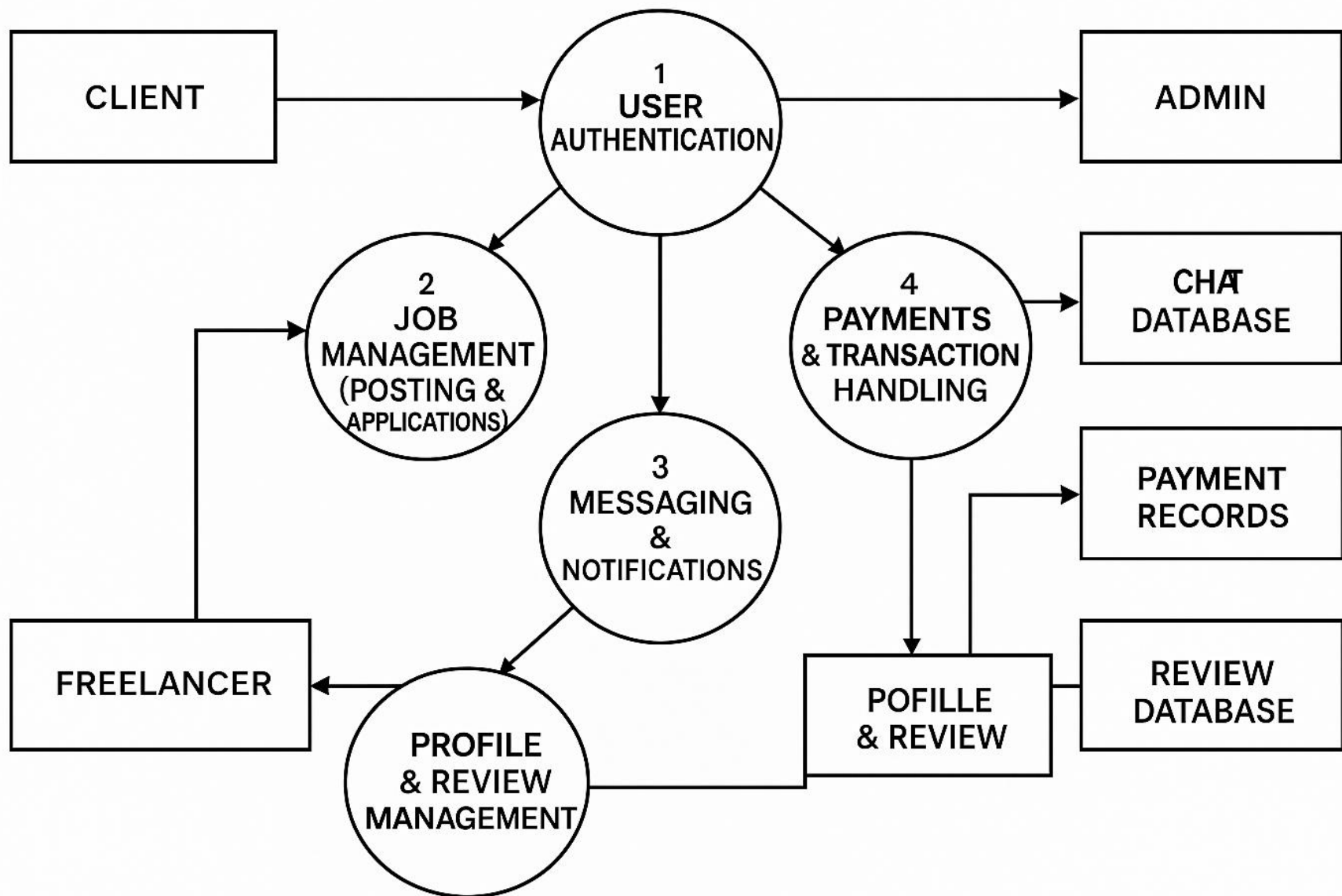**External entities:** Client, Freelancer, Admin, Payment Gateway
System: SB Works Platform (centralized)
High-level data flows:

- Client → SB Works: Post Project, Manage Posts, Make Payments, Chat
- Freelancer → SB Works: Browse Projects, Submit Bids, Upload Deliverables, Chat
- SB Works → Payment Gateway: Payment requests / confirmations
- Admin ↔ SB Works: Verification actions, moderation, analytics

One-sentence summary:
SB Works receives project posts and bids from clients and freelancers, facilitates messaging and file exchange, records transactions via a payment gateway, and provides admin tools for verification and moderation.

DFD LEVEL 0 — FREELANCE FINDER

Diagram elements:

- CLIENT
- ADMIN
- 1 USER AUTHENTICATION
- 2 JOB MANAGEMENT (POSTING & APPLICATIONS)
- 3 MESSAGING & NOTIFICATIONS
- 4 PAYMENTS & TRANSACTION HANDLING
- CHAT DATABASE
- PAYMENT RECORDS
- REVIEW DATABASE
- FREELANCER
- PROFILE & REVIEW MANAGEMENT
- POFILLE & REVIEW

User Stories

User Story Table – Freelance Finder

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Client	User Authentication	As a client, I want to sign up and login so I can access my dashboard	Valid user is created; incorrect login returns error; JWT token is generated.	High	Sprint-1
Freelancer	User Authentication	As a freelancer, I want to sign up and log in so I can create my profile.	Freelancer role saved; dashboard accessible after login	High	Sprint-1
User (Client/Freelancer)	Account Recovery	As a user, I want to reset my password so I can recover my account.	Email sent; token validated; password successfully reset.	Medium	Sprint-2

Client	Project Posting	As a client, I want to post a new project with details so freelancers can apply.	. Project saved; visible in listings; validation works.	High	Sprint-1
Freelancer	Project Browsing	As a freelancer, I want to browse and filter projects so I can find relevant work.	Filters work; search returns correct results; pagination enabled.	High	Sprint-1
Freelancer	Bidding / Proposal	As a freelancer, I want to submit a proposal so clients can review my bid.	Proposal saved; client receives notification	High	Sprint-1
Client	Bid Management	As a client, I want to review proposals so I can select the best freelancer.	List of proposals visible; shortlist/accept options functional.	High	Sprint-1
Client/Freelancer	Real-Time Chat	As a user, I want to chat in real-time with the other party.	Messages delivered instantly; stored in DB; unread counts update.	Medium	Sprint-2
Freelancer	Profile & Portfolio	As a freelancer, I want to create my profile with skills & portfolio.	Profile fields saved; portfolio images uploaded	High	Sprint-2
User	Notifications	As a user, I want to receive alerts for messages, proposals, and approvals.	Notifications visible; can mark read; triggers work.	Medium	Sprint-2
Freelancer	Work Submission	As a freelancer, I want to upload deliverables when work is complete	File uploaded; client notified; version saved.	High	Sprint-2
Client	Work Review	As a client, I want to approve or request	Status updates to	High	Sprint-2

		revisions for delivered work.	Approved/Revision; freelancer notified.		
Client	Ratings & Reviews	As a client, I want to leave feedback so others can evaluate freelancers.	Review stored; average rating updated.	Medium	Sprint-3
Client	Payment Processing	As a client, I want to securely pay for the project.	Payment gateway works; transaction saved; confirmation sent	High	Sprint-3
Freelancer	Pay-out & Earnings	As a freelancer, I want to track my earnings and withdraw money.	Transaction history visible; payout request saved.	Medium	Sprint-3
Admin	User Verification	As an admin, I want to verify users to ensure platform trust.	Approve/reject options work; verification badge applied	High	Sprint-1
User	Project Bookmarking	As a user, I want to save projects to view later.	Bookmark saved; visible on dashboard	Medium	Sprint-3
System	System Logging	As a system, I must log important actions for security.	Logs stored for login, payment, posting	Medium	Sprint-1
Client/Freelancer	Dispute Management	As a user, I want to raise a dispute if there's an issue.	Dispute created; admin gets notified; status tracked.	High	Sprint-3