**Creative name for your project**
- JobTree.PH

**The Problem**

New companies and undergraduates have little to no chance to breakthrough on their area of expertise. Existing platforms that promote freelancing gives them a platform, but their lack of experience might hinder their chances of landing a job.

New freelancers or fresh graduates struggle to land their first gig due to some factors like lack of projects, clients preferring a more experienced profile, or an oversaturated job market.

New companies often struggle with limited workforce, tight budgets, and unpredictable workloads. Many micro-entrepreneurs and startups can't afford full-time or experienced professionals, so they turn to freelancers for short-term, flexible work. However, skilled freelancers can be costly, leaving startups with limited and inconsistent options, creating a cycle of insufficient resources that hinders growth of the company.

**The Solution/Innovation**

A reputation system for both employers and employees to have a balanced opportunity in the job market.

The freelancers must do different complexity of tasks to grow as a freelancer and in the rankings. Growing in the rankings give more opportunities for the freelancers to get offers from businesses that also have the same rank as them, meaning –an increase in salaries and experiences.

The starting companies would have a chance to grow their businesses by hiring the employees that they need and can afford in the job market.

**Solution Details/Components/Features**

*Skill-Based Job Matchmaking (MMR System)*
- Every employer and employee starts at a base MMR.
- Freelancers MMR grows as they finish a job based on the job complexity specified by the company.
- Companies MMR grows as
- Freelancers are matched with clients based on MMR proximity
- MMR decays as the freelancer stops taking in gigs.

*Job Finding Algorithm and Its Component:*

The application allows Freelancers to level up by gaining experience (XP) from completed jobs, their ratings being calculated using Bayesian Ratings based on client reviews, while employers find the best match through a weighted scoring that considers skills, level, budget or salary capacity, and reputation.

| Component | Purpose |
|---|---|
| *Bayesian Rating* | Trust score from reviews |

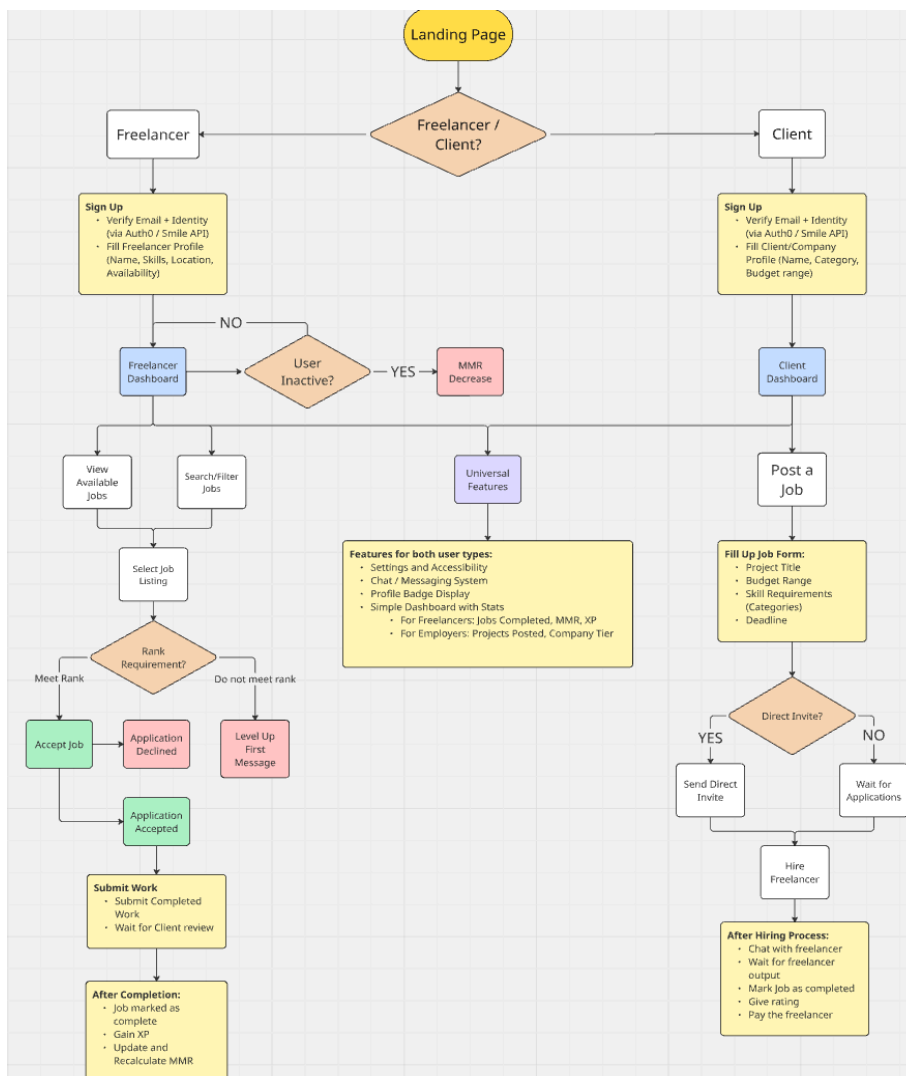| Filtered Search | Sorts and finds best fit freelancers |
|---|---|
| XP Levelling | Tracks the experience of the user based on projects built and jobs completed. |

*Tiered Freelancer Access*
- Freelancers unlock access to higher-paying clients as they grow their MMR.

*Company Growth Tiers*
- Companies are tiered based on their business size, budget, and expectations. Small companies get paired with affordable, hungry talent, while big companies get seasoned, top-tier professionals.

**Proof of Concept**
   **Flowchart**

**UI/UX Design**
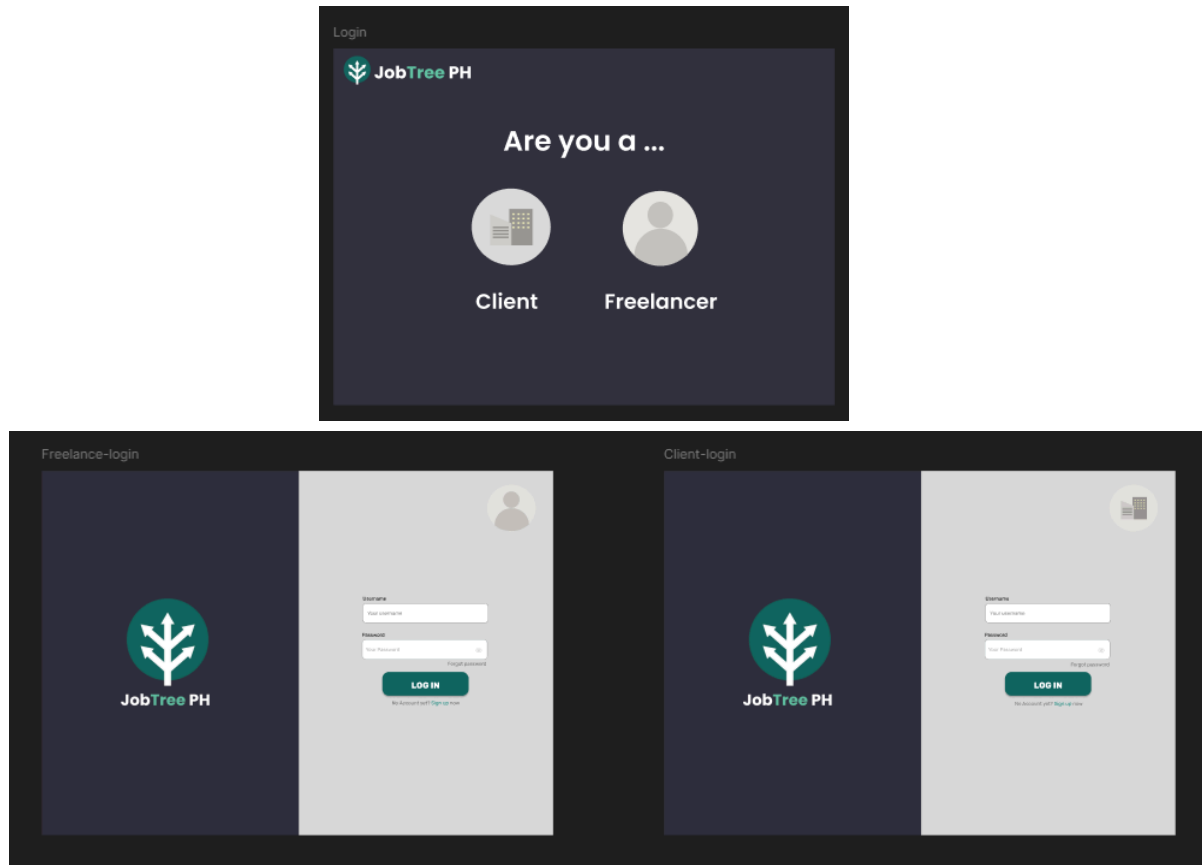


*Figure 1: Login Page with Client or Freelance Option*
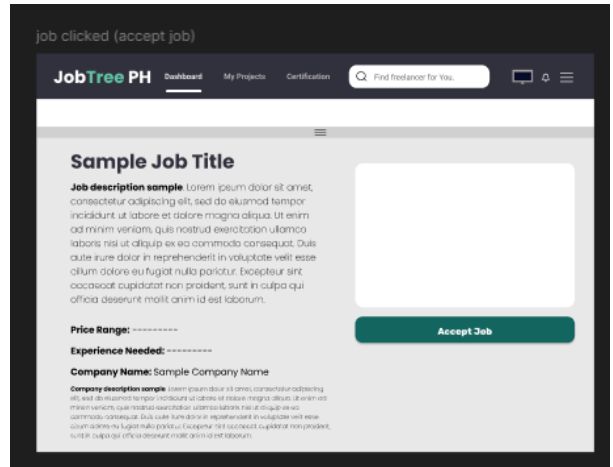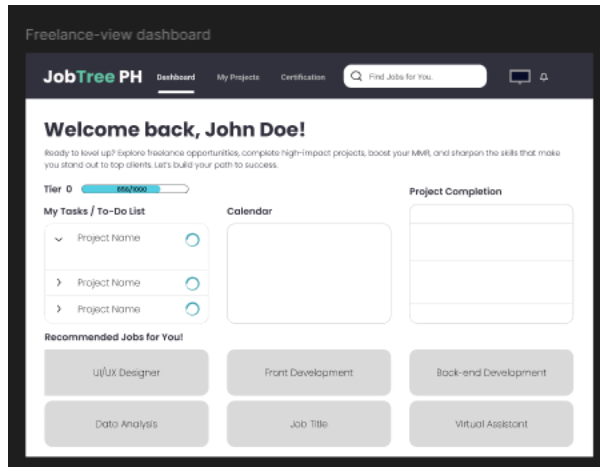


*Figure 2: Sign Up Page*

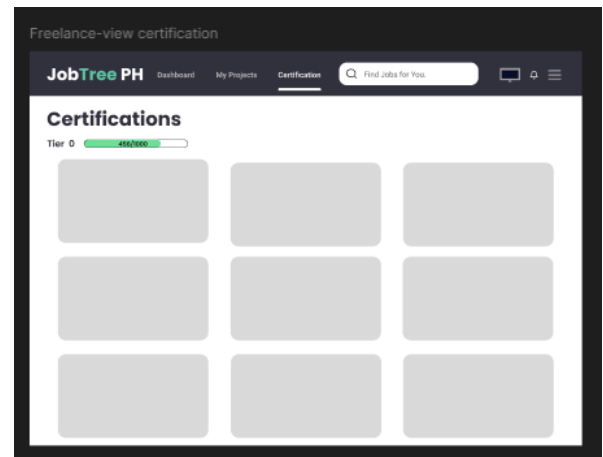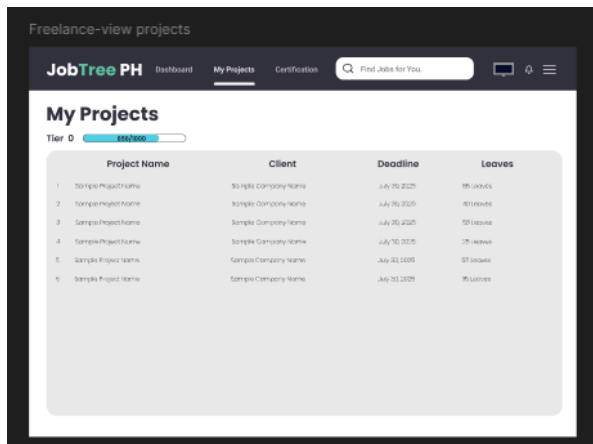*Figure 3: Freelance Dashboard Page and Sample Job Option*



*Figure 4: Freelance Project List Page and Certification Page*
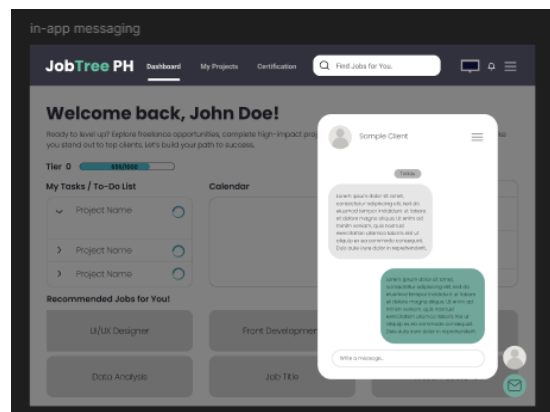


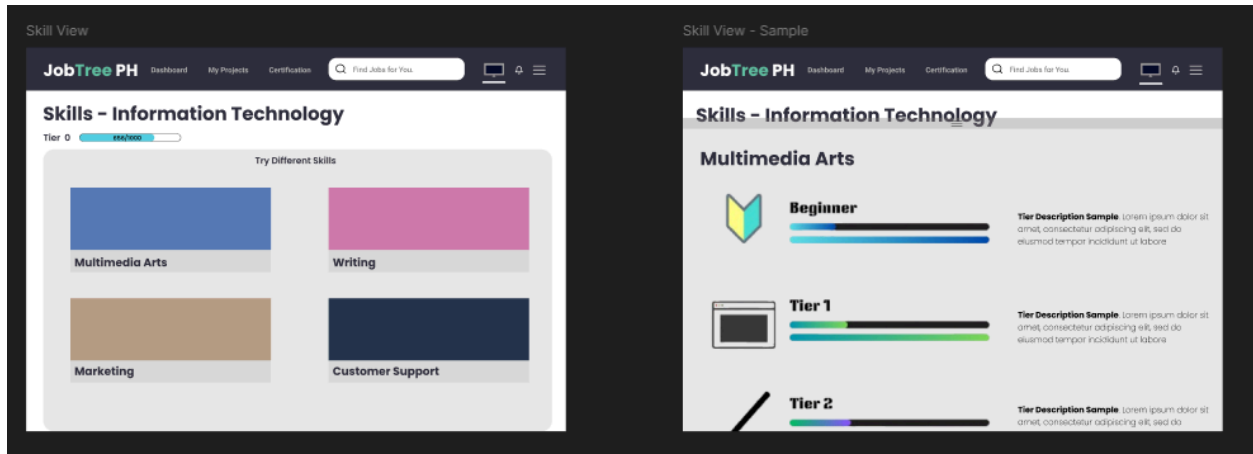*Figure 5: Freelance In-App Messaging*
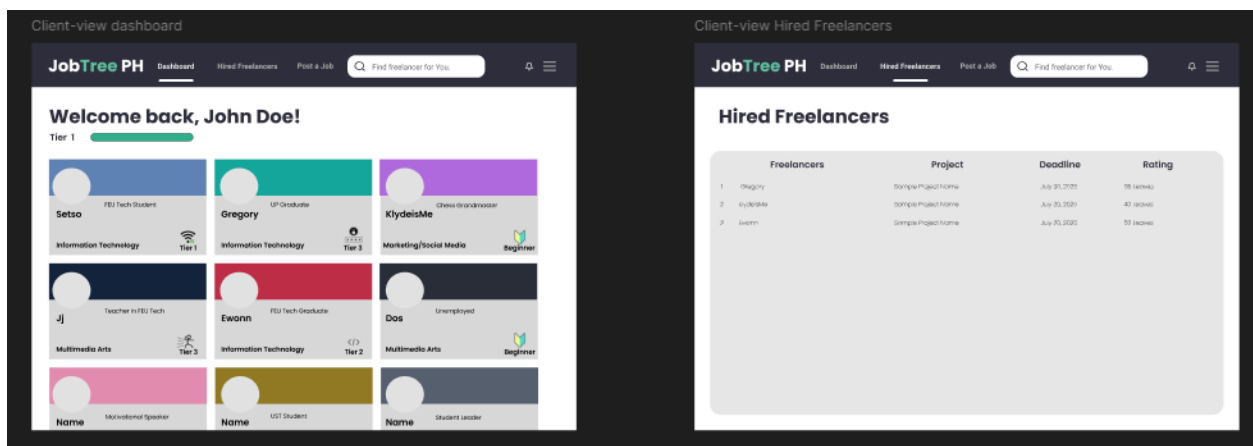
*Figure 6: Freelance Skill View Page and Sample Tiers*



*Figure 7: Client Dashboard Page and Hired Freelancers Page*

**Prototype**

| Front End | Back End | Database | Payments | Deployment | Auth |
|---|---|---|---|---|---|
| Next.js | Python Django | MongoDB | Paymongo | Docker | Auth0 (for user auth) |
| Tailwind CSS | Python ML | | GCash API | | Smile API (for government ID) |
| | FastAPI | | | | |

**Team Members & Roles**
Diaz, Mark Eron:
- *Video Editor*
- *Documentary*

Libatique, Jhon Vincent:
- *UI Designer*
- *Voice Actor*

Magugat, Zio Gregory:
- *UI Designer*
- *Documentary*

Marquez, Deux Marq:
- *UI Designer*
- *Documentary*

Mejia, Klyde Hedrick:
- *Video Editor*
- *UX Flow Design*

Obmerga, John Janiel:
- *Team Leader*
- *UI Designer*
- *Documentary*

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## Use of AI in the project - Describe which AI tools you used in developing the project

Artificial Intelligence (AI) tools played a valuable role in the development of this project, particularly during the idea refinement and planning stages. We utilized ChatGPT to help polish and enhance our initial concepts by generating suggestions, exploring alternative approaches, and improving the clarity and structure of our ideas. While the core development and decision-making remained human-driven, AI served as a supportive tool to streamline brainstorming, validate feasibility, and improve overall project coherence. This allowed us to move forward with a clearer direction and stronger foundation.