Republic of the Philippines

Region V Bicol

BICOL UNIVERSITY

Polangui, Albay

Computer Studies Department

ProFolio

Where you let your work shine and watch opportunities follow

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BSIT 2A
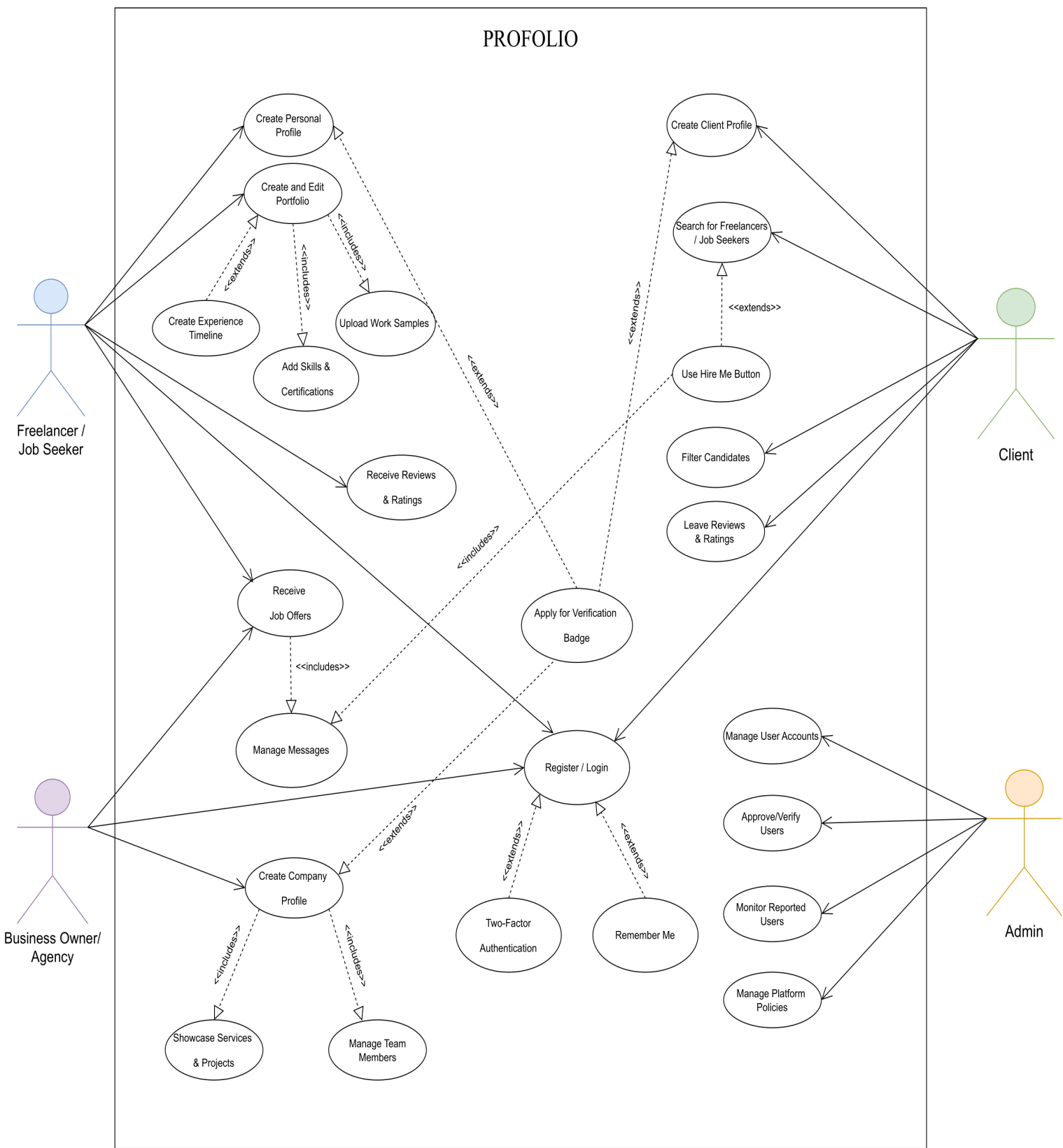
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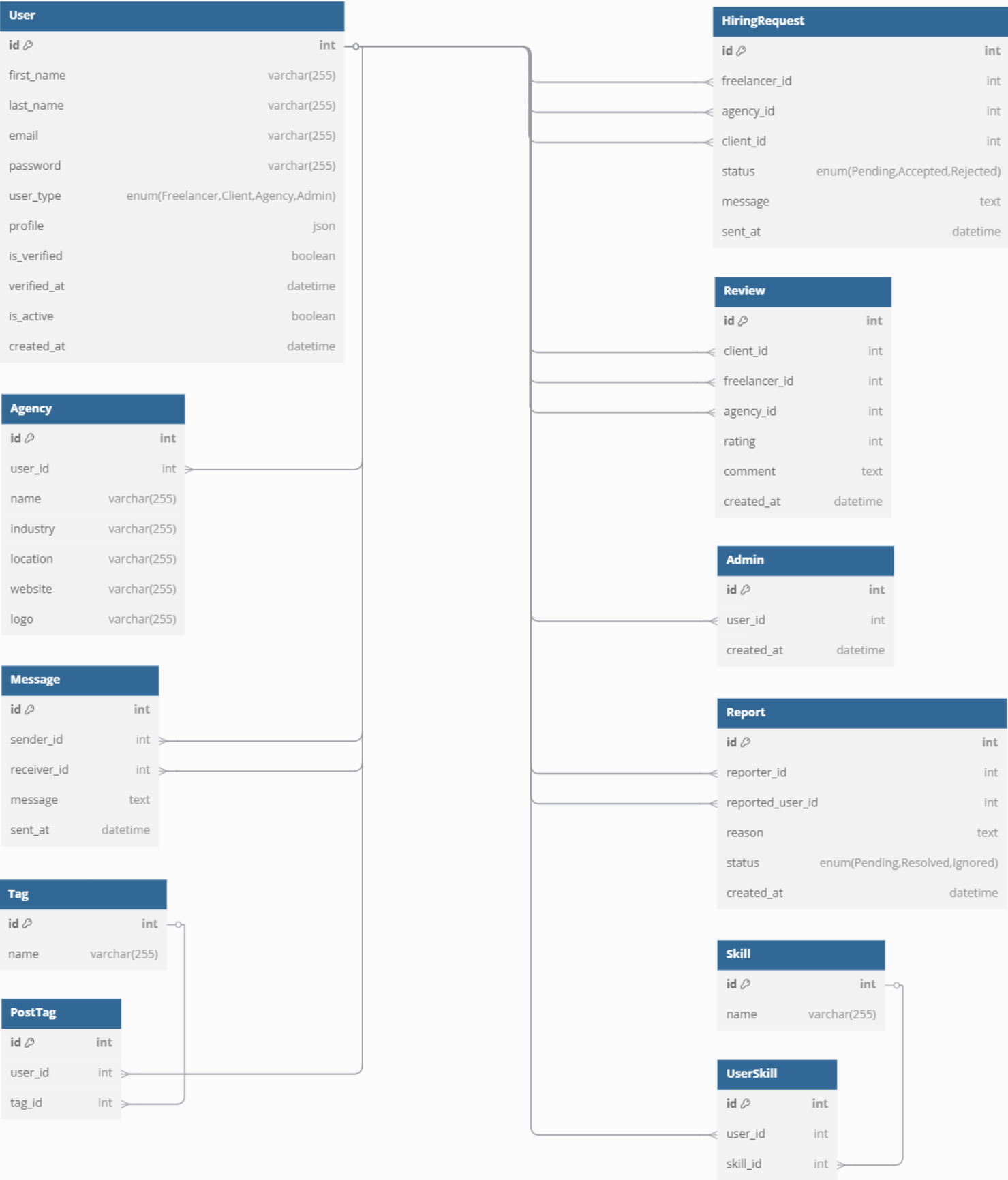April 3, 2025

Final Project Proposal

- **Title:** ProFolio

- **Introduction**
  - ➤ A professional portfolio site that lets your work speak for itself, turning your skills and experience into new opportunities.

- **System Purpose**
  - ➤ ProFolio lets users build structured portfolios showcasing their expertise, past work, and credentials. Profiles highlight whether they are freelancers, business owners, or employees, along with their services and experience. The platform makes it easy for clients to find, evaluate, and connect with the right talent.

- **Target Users**
  - ➤ **Freelancers –** ProFolio gives independent professionals a structured way to present their work. They can upload past projects, list skills, and add testimonials so clients can easily assess their expertise.
  - ➤ **Job Seekers –** Instead of just listing job titles, ProFolio lets them showcase real work, certifications, and career progress in a clear timeline.
  - ➤ **Business Owners and Agencies** – Companies can create dedicated pages to showcase their services, past projects, and key team members. This helps potential clients see what your business offers and makes it easier to attract new partnerships.
  - ➤ **Clients and Recruiters** – Search filters help narrow down candidates based on skills, location, and job type. The client verification badge adds an extra layer of trust, making it easier to connect with serious professionals.

- **Key Features (3–5 minimum)**
  - ➤ **Portfolio Showcase** – Upload work samples like designs, articles, case studies, or coding projects. Your portfolio gives potential clients and employers a clear view of your skills and experience, making it easier for them to assess your fit for a job or project.
  - ➤ **Skills and Certifications** – Highlight your expertise by adding verified skills and industry-recognized certifications. These appear on your profile and in search results, helping you stand out to recruiters and clients looking for specific qualifications.
  - ➤ **Experience Timeline** – Display past roles, freelance projects, and career milestones in a structured format. Instead of a plain list of jobs, this feature lets you present your work history in a way that's easy to navigate and understand.
  - ➤ **Hire Me Button –** A one-click feature that allows clients to express interest in hiring a candidate by sending a direct notification. This opens the door for discussions before finalizing the hiring process, making it easier to connect and negotiate.
  - ➤ **Reviews and Ratings** – Collect feedback from past clients, employers, or collaborators. Positive reviews help build trust and credibility, giving potential clients confidence in your skills and professionalism.
  - ➤ **Client Verification Badge** – A system that marks verified clients, reducing the risk of scams or sketchy clients. This feature helps freelancers and job seekers connect with serious employers.
  - ➤ **Advanced Job Filters** – Narrow down talent searches based on salary, industry, required skills, experience level, and location. This saves time by showing only the most relevant opportunities.
  - ➤ **Team and Company Pages** – Businesses, agencies, and teams can create profiles to showcase their work, services, and key members. This helps attract potential clients or partners who want to see a company's track record before reaching out.

Use Case Diagram

PROFOLIO

- Freelancer / Job Seeker
- Client
- Business Owner / Agency
- Admin

Create Personal Profile — Create and Edit Portfolio — Create Experience Timeline — Upload Work Samples — Add Skills & Certifications — Receive Reviews & Ratings — Create Client Profile — Search for Freelancers / Job Seekers — Use Hire Me Button — Filter Candidates — Leave Reviews & Ratings — Apply for Verification Badge — Receive Job Offers — Manage Messages — Register / Login — Two-Factor Authentication — Remember Me — Create Company Profile — Showcase Services & Projects — Manage Team Members — Manage User Accounts — Approve/Verify Users — Monitor Reported Users — Manage Platform Policies

The design of our ProFolio platform uses a diamond-shaped layout to clearly distinguish four different user roles, all while keeping a centralized authentication system. Freelancers and clients are placed on opposite sides, highlighting their complementary roles in the talent marketplace. Business agencies and administrators are positioned in the other corners to manage organizational and governance tasks. Each role has specific features tailored to their needs—freelancers showcase their credentials and work, clients focus on discovery and hiring, agencies manage teams and services, and admins oversee the platform. The login/register function is centrally placed to show that authentication is the key to accessing the platform. Communication features like messaging, along with trust mechanisms such as reviews and verification badges, support the platform's core goal: connecting talent with opportunity in a secure, well-regulated environment.

Entity-Relationship Diagram (ERD)

User
id 🔑	int
first_name	varchar(255)
last_name	varchar(255)
email	varchar(255)
password	varchar(255)
user_type	enum(Freelancer,Client,Agency,Admin)
profile	json
is_verified	boolean
verified_at	datetime
is_active	boolean
created_at	datetime

Agency
id 🔑	int
user_id	int
name	varchar(255)
industry	varchar(255)
location	varchar(255)
website	varchar(255)
logo	varchar(255)

Message
id 🔑	int
sender_id	int
receiver_id	int
message	text
sent_at	datetime

Tag
id 🔑	int
name	varchar(255)

PostTag
id 🔑	int
user_id	int
tag_id	int

HiringRequest
id 🔑	int
freelancer_id	int
agency_id	int
client_id	int
status	enum(Pending,Accepted,Rejected)
message	text
sent_at	datetime

Review
id 🔑	int
client_id	int
freelancer_id	int
agency_id	int
rating	int
comment	text
created_at	datetime

Admin
id 🔑	int
user_id	int
created_at	datetime

Report
id 🔑	int
reporter_id	int
reported_user_id	int
reason	text
status	enum(Pending,Resolved,Ignored)
created_at	datetime

Skill
id 🔑	int
name	varchar(255)

UserSkill
id 🔑	int
user_id	int
skill_id	int

One-to-One Relationship

1. **User → Admin**
   - One user can have one admin entry.

One-to-Many Relationships

1. **User → HiringRequest**

   - One client can send multiple hiring requests to freelancers and agencies.

2. **User → HiringRequest**

   - One freelancer and agency can receive many hiring requests from different clients.

3. **User → Message (as Sender)**

   - One user can send many messages.

4. **User → Message (as Receiver)**

   - One freelancer can receive many messages.

5. **User → Company**

   - A user can own multiple companies.

6. **User → Report**

   - A user can file multiple reports.

Many-to-Many Relationships

1. **Users ⇄ Skills**
   - A user can have multiple skills.
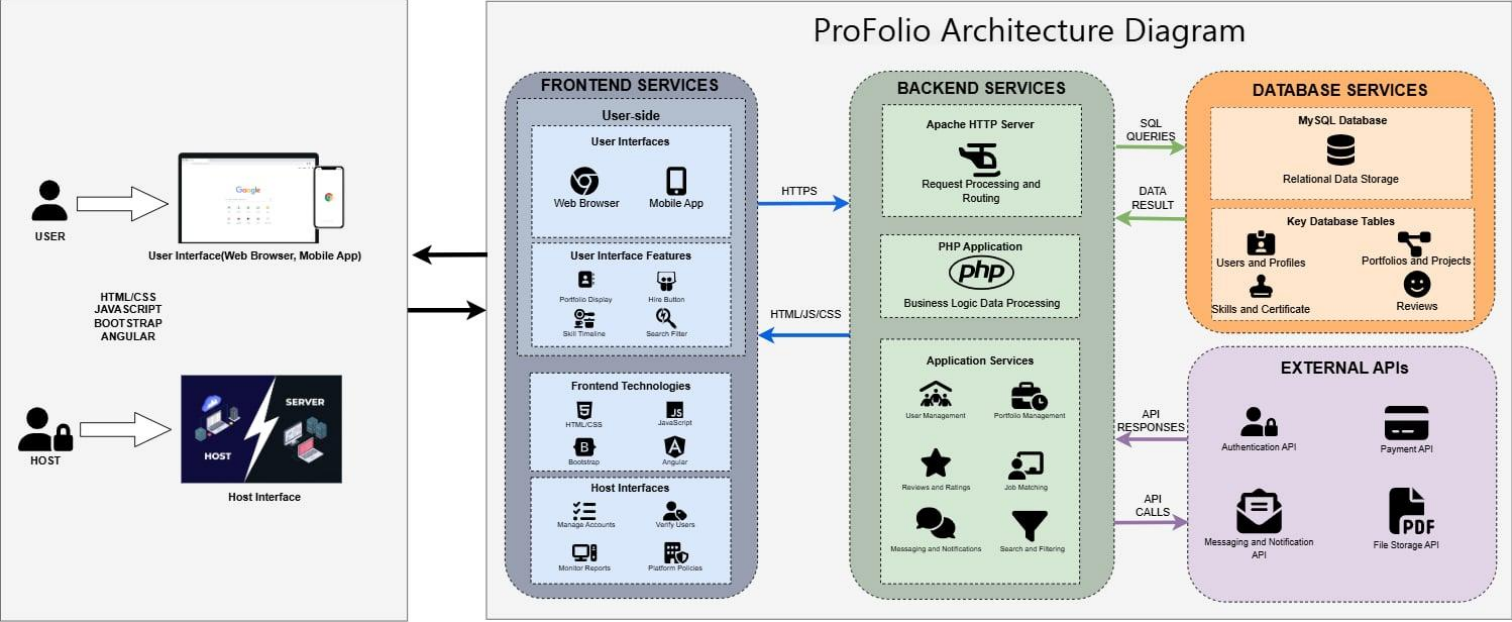   - A skill can belong to multiple users.

2. **Users ⇄ Reviews**
   - A user can give multiple reviews to different professionals.
   - A user can receive multiple reviews from different clients.

3. **Users ⇄ Tags (for filtering and searchability)**
   - A user can have multiple tags (e.g., "Web Developer", "UI/UX", "SEO Specialist").
   - A tag can be linked to multiple users.

Architecture Diagram

Our ProFolio Architecture Diagram shows a robust three-tier system built for a skill showcase and work opportunity center. The platform is divided into:

1. Frontend Services: Offers web and mobile interfaces with portfolio display and job search features, using common web technologies (HTML/CSS/JS). Includes separate dashboards for regular users and admins.

2. Backend Services: Runs on Apache with PHP handling business logic. Manages core functions like user accounts, portfolios, reviews, job matching, and messaging.

3. Database Services: Uses MySQL to store user profiles, portfolios, skills, and reviews in a relational structure.

4. External APIs: Integrates third-party services for authentication, payments, messaging, and file storage.

This design separates concerns effectively, making the platform both user-friendly and administratively manageable, while allowing for scalability and feature expansion.

GitHub Repository URL

https://github.com/Loona0121/final-project-ProFolio

Screenshot of Repo Structure

```
C:\Users\windows-10 PC\Desktop>cd final-project-ProFolio

C:\Users\windows-10 PC\Desktop\final-project-ProFolio>git remote -v
origin  https://github.com/Loona0121/final-project-ProFolio (fetch)
origin  https://github.com/Loona0121/final-project-ProFolio (push)

C:\Users\windows-10 PC\Desktop\final-project-ProFolio>tree /f /a
Folder PATH listing
Volume serial number is 328E-5A10
C:.
|   README.md
|
+---backend
|       .gitkeep
|
+---database
|       .gitkeep
|
+---docs
|   \---planning
|           Phase-1_Architecture-Diagram_ProFolio.pdf
|           Phase-1_ERD_ProFolio.pdf
|           Phase-1_Project-Proposal_ProFolio.pdf
|           Phase-1_Use-Case-Diagram_ProFolio.pdf
|
\---frontend
        .gitkeep
```