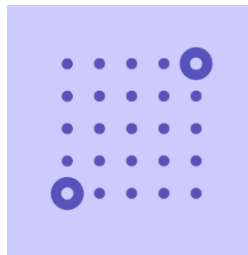


## ST6003CEM - Web API Development

Project proposal

on

SkillGrid: Where Skills Find Purpose



Submitted by:

Coventry ID: 13703462

Batch: 33

Module Leader: Hari Saran Shrestha

## **1. Project Introduction**

SkillGrid is a freelance appointment booking platform, designed to bridge the gap between skilled professionals and clients seeking their expertise. The platform provides freelancers with the tools to showcase their services, manage client appointments, and build professional portfolios, all in one place. Clients can seamlessly search for services, book appointments, and leave reviews, ensuring a smooth and transparent experience for both parties. SkillGrid aims to empower freelancers by offering greater visibility and streamlined workflow management while enabling clients to connect with reliable professionals efficiently. This platform serves as a one-stop solution for fostering collaboration and growth within the freelance community.

## **2. Justification of the Project**

### **a. Problem Statement**

In recent years, the job market of Nepal has experienced a significant shift, from traditional employment to the trend of freelancing. The COVID lockdown accelerated the demand for remote workers, which brought a digital transformation to how businesses could be conducted. Nepal has also witnessed a change in people's behaviours regarding freelancing. It allows one to choose their own projects, work with multiple clients and flexible working hours, which have been the reason for the prejudice. However, despite these advantages, finding consistent freelancing opportunities remains a challenge for many. Freelancers often face competition on global platforms and struggle with unreliable clients or delayed payments. Additionally, the lack of a structured support system makes it harder to sustain a stable income.

### **b. Background of the project**

The increasing shift toward freelancing and remote work inspired this project, aiming to address the challenges freelancers face in finding consistent opportunities. In 2022, 78.4% of Nepal's total employment population were self-employed (according to Trade Economics). While freelancing offers a lot more freedom, many professionals struggle to find projects, one after the other. This project aims to develop a platform that connects freelancers with potential clients, offering a dependable and easy-to-use system for seamless collaboration. By streamlining job matching and payment processes, the project

intends to empower freelancers and enhance their work stability, contributing to a more sustainable freelancing ecosystem.

### 3. Aim

To connect freelancers and clients through a seamless, secure, and user-friendly platform, providing opportunities for skill development in a thriving freelancing ecosystem

#### Objectives

- **Streamline freelancer-client connections**

Create a user-friendly interface that allows clients to efficiently search for suitable professionals based on skills, expertise, project requirements and price.

- **Create a professional profile**

Enable freelancers to showcase their portfolios and achievements, helping them build credibility and attract more opportunities

- **Enable seamless appointment booking**

Provide an intuitive and efficient system for clients to book appointments, and for freelancers to manage their work schedules effortlessly

- **Promote Transparency**

Offer clear insights into a freelancer's background, including past work and education, along with review systems to build trust and accountability

- **Facilitate Payment Flexibility**

Allow freelancers and clients to choose from secure payment methods, such as cash or eSewa, providing convenient and flexible options for transactions while monitoring the payment status

#### **4. Project Mission**

SkillGrid's mission is to empower freelancers to build sustainable careers and help clients achieve their goals by providing a seamless platform for collaboration. After project completion, the application aspires to be a trusted platform where freelancers can showcase their profiles, services, and portfolios, enabling them to gain visibility and access meaningful opportunities. At the same time, it aims to simplify the process for clients to discover, evaluate, and hire the right talent based on their specific needs. With features like comprehensive freelancer profiles, customizable service listings, and intuitive booking and scheduling systems, SkillGrid strives to ensure a seamless and efficient collaboration process. By fostering trust, transparency, and accessibility, SkillGrid seeks to enhance productivity, creativity, and growth for individuals and businesses alike.

## 5. Project Scope

- Build and deploy both web and mobile platforms with seamless synchronization of user data
- Provide robust client and freelancer dashboards with comprehensive features like profile management, service uploads, and appointment scheduling
- Ensure security and scalability to support growing user bases and transactions
- Deliver an intuitive user experience for enhanced engagement and ease of use

### Technologies used

- **Frontend:** React.js
- **Backend:** Node.js (Express)
- **Database:** MongoDB


## **6. Features of the project**


- Comprehensive freelancer profiles showcasing expertise, skills, education, work experience, and portfolios
- Freelancers can list services with descriptions and pricing. Clients can filter services by hourly rate or ratings.
- Built-in scheduling system for clients to book services at convenient times, with notifications and calendar integration and schedule management for freelancers
- Clients can leave reviews and ratings for freelancers, helping others make informed decisions
- Payment status monitoring with automatic invoice generation for every service booked
- Real-time notifications to keep clients and freelancers updated on bookings and reviews




## ST6002CEM-Mobile Application Development

9


SkillGrid.



### Send an offer



**Anjali Karki**  
 UI/UX Designer, Graphic Designer  
 Kalimati, Kathmandu  
 9841223790

Wireframing

Web Design

Mobile UI Design

User Interface Design

Figma

App Design

User Experience Design

Graphic Design

Poster Design

Logo Design

**Select a service\***

Website design

Charge: **Rs. 4500/hr**

**Reason for appointment\***

**Appointment date\***

▼

day

▼

month

▼

year

**Project duration\***

Select a duration ▼

**Appointment time**

▼

hour

▼


minutes


☐
 Yes, I understand and agree to the [SkillGrid Terms of Service](#), including the [User Agreement](#) and [Privacy Policy](#).

Cancel


Continue

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SkillGrid.



### Billing and Payment



**Anjali Karki**  
 UI/UX Designer, Graphic Designer  
 Kalimati, Kathmandu  
 9841223790


Service: **Website design**   **Rs. 4500/hr**

Reason for Appointment: **Bank management system**

Appointment date: **5 December 2024**

Project duration: **3 weeks**

**Select a payment method\***

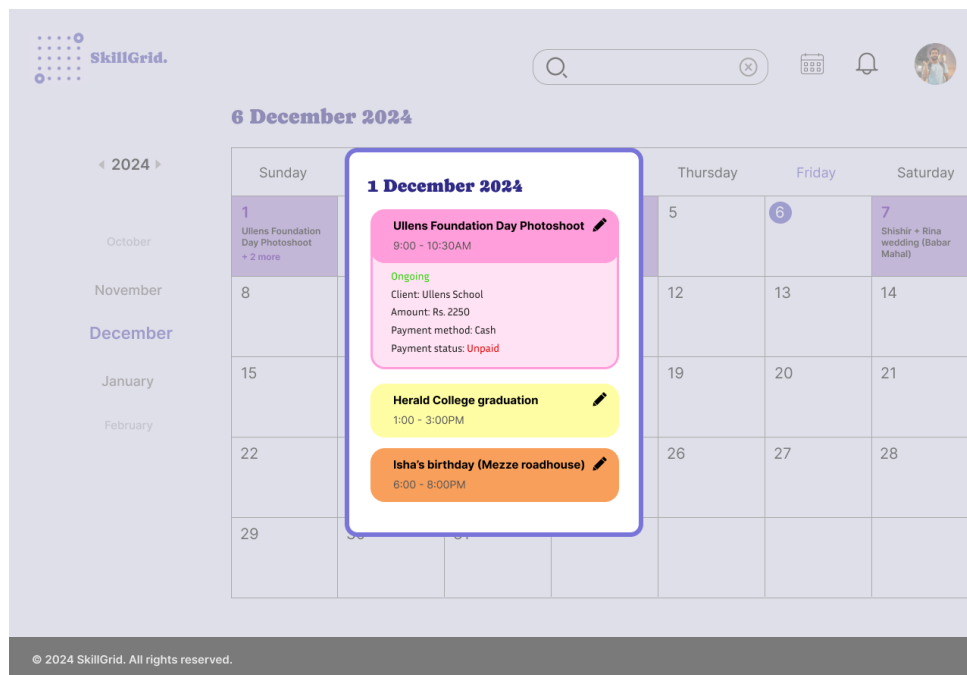
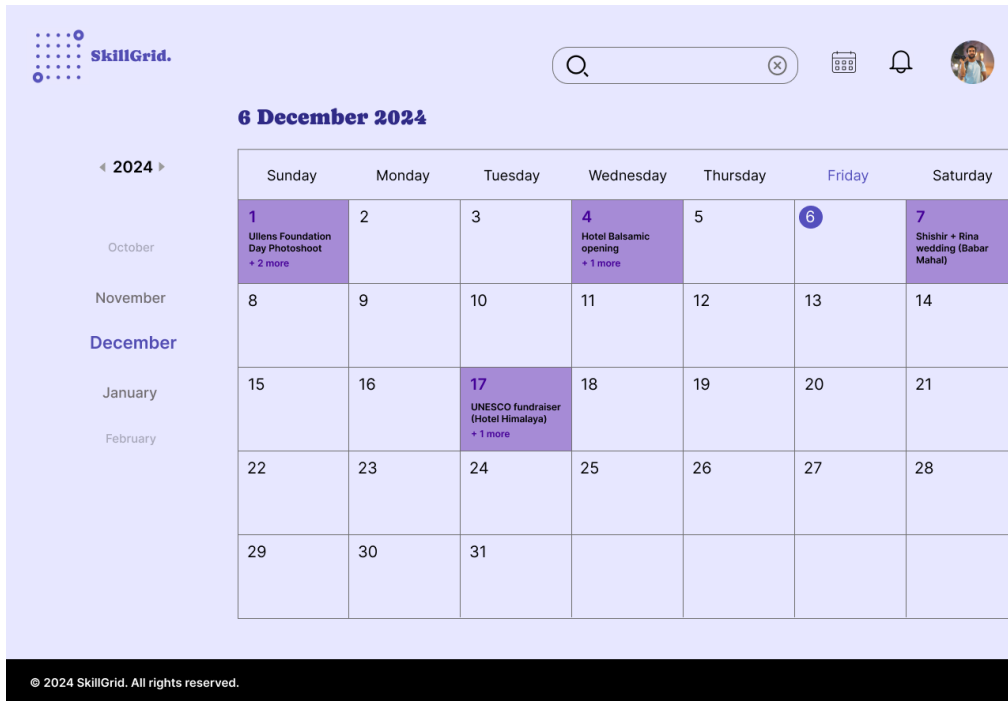
☐ Cash
 ☐ Credit/Debit card 
☒ Sewa

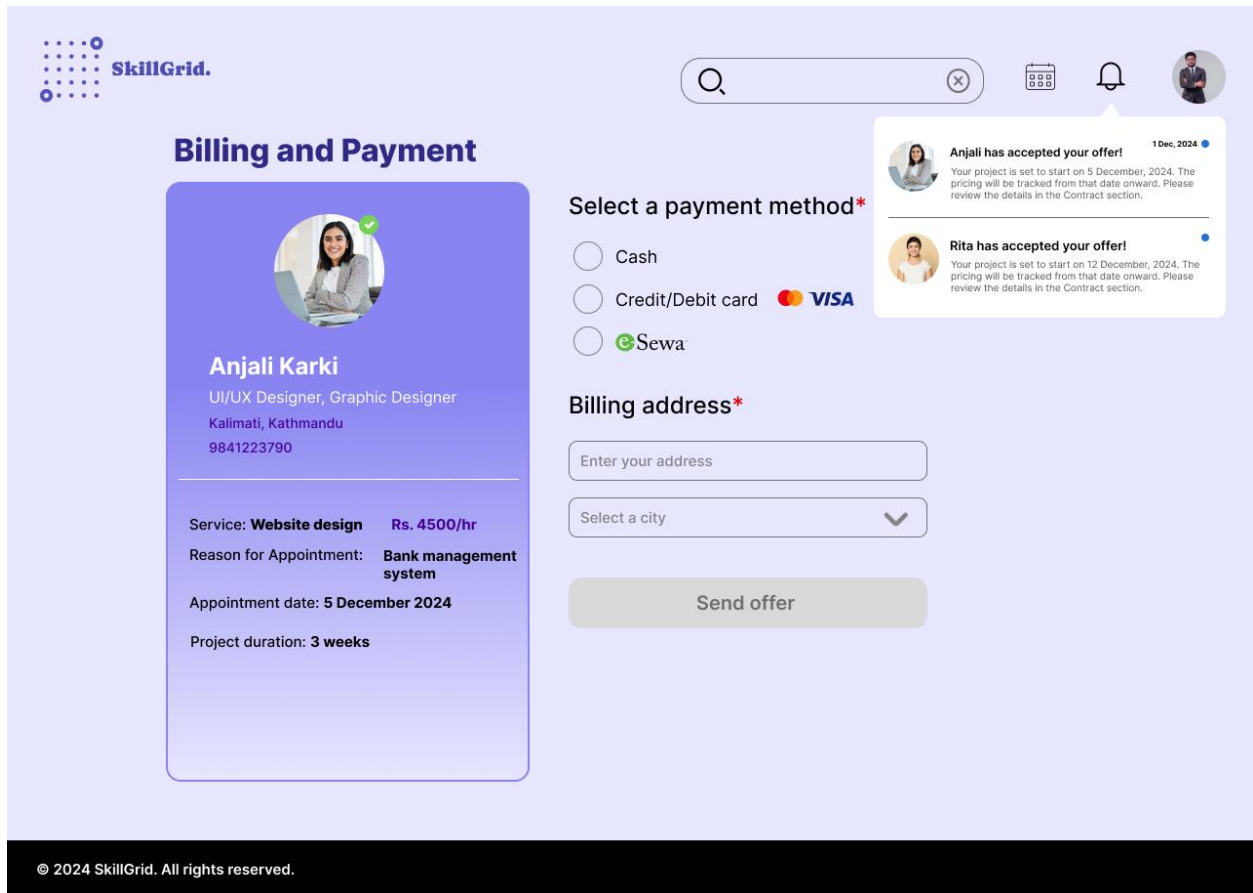
**Billing address\***

Select a city ▼

Send offer

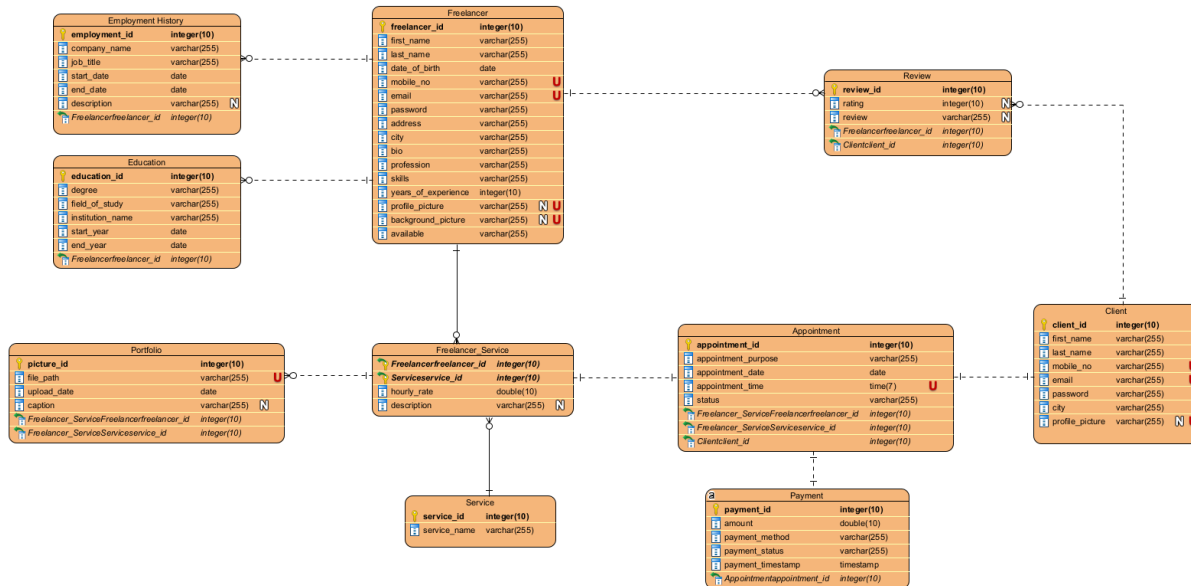
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**Figma link:** <https://www.figma.com/design/vX1Ghp5mJQh5BmKZEV7Aig/SkillGrid?node-id=35-172&t=SrNVveFAKkOdG94c-1>

## 8. Entity Relationship Diagram



## 9. Conclusion

In conclusion, the SkillGrid platform is poised to address the growing demand for flexible freelancing solutions in Nepal. By utilizing the MVVM design pattern, SkillGrid ensures a clean, scalable, and maintainable architecture that separates business logic from user interface concerns. The platform provides freelancers with the tools to showcase their skills and build credibility, while offering clients a user-friendly system to find suitable professionals for their needs. Through features such as seamless appointment booking, transparent freelancer profiles, and flexible payment options, SkillGrid aims to foster trust, efficiency, and growth within the freelancing ecosystem. As freelancing continues to gain momentum, SkillGrid stands as a reliable bridge between talented freelancers and clients, driving the future of remote work in Nepal.

## 10. References

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