**CS211L: SE Term Project**

| Team number | UG2\_Team3 |
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| Project Title | A common platform for freelancers to come together and seek industrial projects based on a tendering system. |
| Document | SE Project Concept Document |
| Existing Work | Fiverr |
| Differences | Fiverr doesn’t offer the features to group together and bid on projects. Also, the final call to give the tender still rests in the hands of the owner who put it up. This adds a sense of reliability and decisiveness rather than some algorithm deciding it. |
| Technologies | HTML, CSS, APIs, MERN. |
| Customers | Freelancers and Companies |

**Description**

This innovative platform transforms how companies and freelancers connect and collaborate on software projects by integrating a guild-based system and a reputation-driven approach. Unlike Fiverr, which primarily focuses on individual freelancers bidding on projects, our platform emphasises group collaboration. Freelancer groups, or "guilds," can pool their collective skills and reputation to bid on projects more efficiently and effectively. This dynamic environment fosters teamwork and ensures that the best-suited guilds win contracts while allowing the client to make the final decision. Even though Fiverr exists, it is more like an individual thing, and an algorithm gives the final call.

**Profile of Users**

#### 1. Clients

* **Characteristics:**
  + **Project Creation:** Clients can easily create and post projects, specifying details like budget, timeline, and required skills.
  + **Tendering System Access:** Clients can review bids submitted by various guilds, considering factors like bid amount, reputation, and previous work.
  + **Final Decision Authority:** Despite the bidding process, clients have the final say in awarding the contract to a guild of their choice.
  + **User Interface:** The interface should be intuitive, allowing clients to navigate and manage multiple projects efficiently.
  + **Communication Tools:** Clients need robust messaging and file-sharing tools to interact with guilds during the project lifecycle.
  + **Reputation System:** Clients can leave reviews and ratings for guilds, contributing to the platform's reputation-driven approach.

#### 2. Freelancers (Guild Members)

* **Characteristics:**
  + **Guild Formation:** Freelancers can form or join guilds, allowing them to collaborate and pool their skills for larger projects.
  + **Profile and Portfolio:** Freelancers can showcase their individual and guild work history, skills, and ratings to attract clients.
  + **Bid Submission:** Guilds can submit bids on projects, leveraging their collective reputation and expertise.
  + **Collaboration Tools:** The platform should offer tools that facilitate communication, task management, and resource sharing within guilds.
  + **Reputation and Growth:** Freelancers and guilds can earn reputation points based on completed projects, influencing future bid success.
  + **Learning Resources:** Access to skills development and guild improvement resources to stay competitive on the platform.

**Technology Stack**

Tech stack:

MERN (Frontend+Backend)

Tailwind CSS (Styling)

Redux (State Management)

Vite (Integrator)

JWT (Authentication)

Socket.io (Notifications/Live Updates)

\*\*Note: Will change based on future requirements.