SDLC REPORT- FREELANCING COLLABORATION HUB

**1. Which Model We Are Using?**

For our mini project, *Freelancing Collaboration*, we are using the **Agile Model** as our Software Development Life Cycle (SDLC) methodology. Agile allows flexibility in development, enabling continuous improvements based on feedback.

**2. Why Are We Using Agile Model?**

We chose Agile Modeling for the following reasons:

* **Flexibility:** Agile allows us to make changes as per evolving requirements and feedback.
* **Customer-Centric Approach:** It ensures that the final product aligns with user needs through iterative testing and feedback loops.
* **Faster Development & Delivery:** Agile promotes faster releases, which helps us build an MVP (Minimum Viable Product) quickly.
* **Collaboration & Teamwork:** Agile emphasizes collaboration between team members, stakeholders, and users, making it ideal for a freelancing collaboration platform.
* **Risk Management:** Since Agile works in small iterations, any issues can be identified and resolved early.

**3. How We Are Going to Build This Software Using Agile Modeling?**

We will follow the Agile Modeling approach through the following steps:

**1. Identify Core Requirements (Initial Planning & User Stories)**

* Gather requirements from freelancers and clients, focusing on key functionalities like project posting, bidding, messaging, and payments.
* Define **user stories** to capture how different users (freelancers, clients, admins) will interact with the system.

**2. Iterative Development (Agile Sprints & Prototyping)**

* Divide the project into **multiple sprints** (short development cycles). Each sprint will focus on implementing a specific feature.
* **Sprint 1:** User authentication & profile management.
* **Sprint 2:** Project posting & AI system.
* **Sprint 3:** Messaging & communication features.
* **Sprint 4:** Payment integration & review system.

**3. Continuous Integration & Testing**

* After each sprint, the developed features will be tested to ensure functionality and usability.
* Bugs and issues will be fixed in subsequent iterations.

**4. Feedback & Improvement (Customer Collaboration & Review)**

* Gather feedback from potential users (freelancers & clients).
* Adjust and enhance features based on the feedback received.

**5. Deployment & Maintenance**

* Deploy the working version of the freelancing platform.
* Continue making improvements based on real-world usage and feedback.

**Conclusion**

By using Agile Modeling, we ensure that *Freelancing Collaboration* is built efficiently with continuous improvements. This approach allows for flexibility, user involvement, and iterative enhancements, making it the ideal SDLC model for our project.