# **Freelancer Collaboration Hub - Software Requirements Document**

### **1. Introduction**

This project is an **online freelancer collaboration platform** that connects clients with freelancers. Clients can post projects, hire freelancers, and make payments securely. Freelancers can browse projects, submit proposals, complete work, and receive payments. The platform also has an admin system to manage users and resolve disputes.

### **2. Agile Development Approach**

We will follow the **Agile Software Development Life Cycle (SDLC)** because:

* It allows flexibility in requirements.
* We can get feedback from users early.
* Development is done in **sprints** to deliver working features faster.

Each sprint will focus on developing and testing a specific set of features.

### **3. System Requirements**

#### **Functional Requirements**

The system should have the following features:

* **Client Features:**

1. **Post Project:** Clients can create new projects with details like title, budget, and deadline.  
 2. **Hire Freelancer:** Clients can select a freelancer based on proposals.  
 3. **Make Payment:** Clients can pay freelancers securely.  
 4. **Review Freelancer Recommendations:** AI will suggest suitable freelancers based on project needs.  
 5. **Approve Work Submission:** Clients review submitted work before releasing payment.  
 6. **Form Team of Freelancers:** Clients can hire multiple freelancers for teamwork.

#### **Freelancer Features:**

1. **Register/Login:** Freelancers can create an account.  
2. **Browse Projects:** Freelancers can search for available projects.  
3. **Submit Proposal:** Freelancers can bid on projects.  
4. **Accept Project Offer:** Once selected, freelancers can accept job offers.  
5. **Track Work Progress:** Freelancers can update their work status.  
6. **Submit Work for Review:** Completed work can be sent for client approval.  
7. **Receive Payment:** Freelancers get paid after work approval.

#### **Admin Features**

1. **Manage Users:** Admin can add, remove, or suspend users.  
 2. **Resolve Disputes:** Admin helps resolve conflicts between clients and freelancers.  
 3. **Monitor Transactions:** Admin ensures all payments and withdrawals are processed correctly.

#### **Payment System**

1.**Process Payments:** Ensures secure transactions between clients and freelancers.  
 2.**Issue Refunds:** Clients can request refunds if work is not satisfactory.  
 3.**Handle Withdrawals:** Freelancers can withdraw their earnings.

#### **Communication Features**

1. **Chat & Call:** Clients and freelancers can communicate via chat or call.

### **Non-Functional Requirements**

**Security:** User data, payments, and communications must be encrypted.  
 **Scalability:** The system should handle multiple users and transactions simultaneously.  
 **Performance:** Page load time should be under **3 seconds** for a smooth experience.  
 **Usability:** The interface should be user-friendly for both clients and freelancers.  
 **Reliability:** The system should be available **24/7** with minimal downtime.