

Protocol	Registration Request	Authentication Request	Project Creation	Searching for Providers	Bid Creation	Plans Listing	Plan Payment	Responding Bid	Requesting Contract	Creating system message	Getting messages	Creating user message	Project Progress	Project Payment	Submit Feedbacks	Fetch Feedbacks
Purpose/ Parameters	User name, password, type	Username, password	Project name and description	keywords, rating interval, salary interval	Project, Bid, Provider	Current provider	Provider, Chosen plan, price	Bid, response (accept/reject)	Project, client, provider	Project, client, provider, content	Project, User	Project, sender user, content	Project, Progress amount	Project, Client, Provider	Project, Client, Provider, Rate, Comment	Client
Initiator(s)	GUI	GUI	GUI	GUI	GUI	GUI	Plan Checker	GUI	Bid Handler	Bid Handler, Contract Handler	GUI	GUI	GUI	Project Tracker	GUI	GUI
Receiver(s)	Registration Role	Authentication Role	Project creation Role	Provider Search Role	Bid Handler	Plan Checker	Payment Handler	Bid Handler	Contract Handler	Message Handler	Message Handler	Message Handler	Project Tracker	Payment Handler	Feedback Handler	Feedback Handler
Processing	Validates username, creates user	Validates username and password match	Checks user type to be a client	Filters & sorts providers matching the criteria, prioritizes providers with premium plan	Checking if requesting clients owns the project	Lists available plans	Decreases provider's financial balance by the amount of plan's price	Validates username, creates user	generates contract/request a message to be created for both sides	creates a message from system in the corresponding thread, flags the thread open if a contract has been sent by contract handler	Lists messages in the thread corresponding to the project	generates a message from user inside the thread, checks if the thread is for an accepted project	validates if requesting user is the provider associated to the project, requests a project payment if the project is completed	Makes the transaction from client's account the provider's, subtracting 30% from the total amount written in the contract	Creates the Feedback	Calculates average rate for the requested client, returns list of feedbacks