




# Talha Umer

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# **HAR-FUN**



## **Bachelor of Science in Computer Science Session (2021-2025 Fall)**

**Submitted By:**

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**SCHOOL OF COMPUTER SCIENCE  
MINHAJ UNIVERSITY, LAHORE**

# **HAR-FUN**

## **Project**

*Submitted in Partial Fulfillment*

of the Requirements for the Degree of

**Bachelor of Computer Science**

at the

**Minhaj University, Lahore**

by

Talha Umer: 2021F-mulbscs-061

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It is declared that this is an original piece of my work, except where otherwise acknowledged in text and references. This work has not been submitted in any form for another degree or diploma at any university or other institution for tertiary education and shall not be submitted by me in future for obtaining any degree from this or any other University or Institution. I am the responsible if I do not meet the deadline.

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Signature: \_\_\_\_\_



## DEDICATION

*To*

### ***My Mother***

*To the most selfless soul, my mother*

*Who always wished or prayed for my success, for supporting and encouraging me to believe in myself, who always sacrificed so much for me.*

### ***My Father***

*For earning an honest living for me, for supporting and encouraging me to believe in myself.*

### ***My Teacher***

*For their support and wishes.*

## CERTIFICATE OF APPROVAL

It is guaranteed that the project titled “**HAR-FUN**” carried out by **Talha Umer**, (2021F-mulbscs-061) & **M.Huzaifa Javaid**, (2021F-mulbscs-076), under the supervision of **Miss Kishmala Tariq**, Minhaj University Lahore, is fully ample, in scope and in quality, as a final year project for the degree in Bachelors of Computer Science.

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First and foremost, I am deeply grateful to **Allah Almighty**, the Most Beneficent and Merciful, for granting me the strength, patience, and wisdom to complete this project. I extend my heartfelt praise to our beloved **Holy Prophet Hazrat Muhammad (S.A.W)**, the ultimate source of knowledge and guidance for all of humanity. I would like to express my sincere gratitude to my respected supervisor, **Ms. Kishmala Tariq**, whose invaluable support, insightful guidance, and constant encouragement have been instrumental in the successful completion of this project. Her knowledge and mentorship provided us with the direction and confidence needed to overcome challenges and filter our work. At the end, I want to express my gratitude for my parents, I know mere some words are not enough for their lifelong unconditional love, sacrifices and prayers but those are my source of motivation and backbone of my success.

## ABSTRACT

Nowadays, finding suitable local worker for a household job is very tough due to various challenges like time consumption, traditional methods for hiring, budget negotiation and multiple more issue. Even after facing all of these challenges in most cases, even hired worker ends as unfit after watching work progress. On the other hand, skilled workers are also facing issues in getting jobs due to the issues like lack of impression in the market, lack of knowledge about available jobs etc. So, in this huge but full of challenges job market, **HAR-FUN** is the solutions to tackle these issues and cover these gaps

We identified several challenges faced by both worker and the client in this job market. So, we planned and developed **HAR-FUN** as an easy-to-use platform to tackle all current and possible issues in the job market and streamline the hiring process for both client and the worker. Worker simply has to create an account on our platform to show his availability for the jobs and demonstrate his skills, experience and past client reviews. Similarly in the client case, client can easily hire a skilled worker according to his budget and can reassure his skills by judging from his skills list and client reviews.

To conclude, **HAR-FUN** is the optimal solution to terminate various issues and streamline job-search and motivate workers by providing a simple and reliable platform to secure a job in this competitive market. Our platform will cover the gap between client and worker, contribute in the growth of workers by making opportunities available and easy to utilize for them. On the other hand, it will save a lot of client's time by making hiring process easy, quick, and reliable. **HAR-FUN** is an innovative platform for workers to survive and evolve in this ever-changing job market and we hope improving it in the future by adding various security measures and

provide improved current and many more upcoming services for both client and workers because our main goal is to facilitate workers and client in the never ending issues and become one of the top services platform.

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# **CHAPTER 1**

## **INTRODUCTION**



Chapter 1 includes an overview and some of the major steps of the project. It includes background, goals, gap analysis, project plan, work breakdown structure, Gannt chart, and report outline. Reader can have in-depth understanding of major issues this platform is going to solve. Additionally, it focuses on the method used to achieve desired results. In short, it will demonstrate the base of project and its role in the solution of highlighted issues.

## 1.1. Background

Hiring a suitable worker for various services nowadays is a tiring process due to the old methods like printed and classified ads. These methods used to work in the past but in current era lack convenience for both clients to find a skilled and reliable worker for the specific job and similarly for the worker to get job opportunities.

**HAR-FUN** is an all-in-one solution to remove cover this by using technology as a source to connect skilled workers with clients in an easy, fast, and efficient way. This platform is designed to solve issues like accessibility, and job security and many more which were identified after deep research involving surveys. **HAR-FUN** offers an organized framework i.e. verified profiles, secure payment exchange, and reviews system to ensure trust and clarity for both ends.

As we know market is continuously growing, **HAR-FUN** act as a secure, trustworthy, technology-driven, and a scalable method for smooth, accessible, and secure jobs and streamline the hiring process. Our platform can change the future of local job market by providing a fast and trustworthy platform for both workers and clients.

## 1.2. Goals and Objectives

A trustworthy and time saving connection between clients who are looking local service providers for their task and workers seeking opportunities for jobs and growth is the primary goal of **HAR-FUN**. By doing this, we hope to mark the main issues that clients and employees experience, including lack of trust in existing platforms, area limitations, and restricted access to employment prospects. In addition to giving clients a dependent, and effective means of locating authentic workers in their area, the platform will allow employees to show their abilities, grow their customers, and gain access to more regular employment prospects.

## 1.3. Gap Analysis

Low-level workers like daily laborers, technicians, and skilled tradesmen face several problems in the current employment market, mostly because there aren't many easily available platforms that link them with potential customers. Because the majority of job-matching platforms currently in use are for highly specialized or white-collar workers, low-level workers are unrepresented. Because of this market gap, low-level workers frequently have difficulty in finding steady, dependable employment and must dependent on out dated strategies like local job sites to find openings.

Area restrictions make it more complicated because employees frequently work only in particular areas, making it challenging to locate clients that require their skills nearby. This limitize their capacity to grow their clients and build connections. Many low-level employees also face the digital literacy needed to use current internet platforms, which keeps them out of the larger, more effective labor market and forces them to dependent on common and old techniques.

The problem of trust is another significant problem. Due to worries about payment and reliability, both clients and employees frequently hesitate to interact. The majority of platforms don't provide features that would create a safe and open environment for both workers and clients, such profile verification, reviews, or guarantees which causes lack of clarity and trust which results in hesitation from both clients and workers to use, depend, and suggest platform to others.

## **1.4. Project Plan**

We want to design and develop a platform which is easy to use for any kind of user and doesn't require special information to be operated, offers clarity on every aspect and connect low-level local workers with the clients looking for local workers to get their services keeping in mind their budget and location. Client will be facilitated to find a suitable worker for their job and workers will have easy access to new job opening with the help of features of our platform like job posting, location-based filtering, review system and many more. In this way, hiring processing will be streamlined for both employer(client) and the employee(worker) and platform will contribute in the worker growth and client satisfaction.

### **1.4.1. Work Breakdown Structure**

This project's work breakdown structure (WBS) uses an organized approach to ensure that platform is designed, developed, tested and implemented(launched) in the without any lack and interruptions. Beginning with planning and research, which involves analyzing important platform features and identify the needs of both sides i.e. clients and low-level employees. Proceeding to the design and development stage, during designing platform's user interface (UI) and key features will be designed with an attention on usage and the mixture of important

elements like job posting, profile verification, and location/postal code-based matching. During development, the platform undergoes coding phase with the use of selected programming language, then testing will take place to identify and solve any possible problems, besides that user input will also be taken to ensure that platform is working properly without any issue. After the completion of testing, the platform will be deployed in the market, and marketing will be performed initially to draw in clients and employees. To maintain platform's efficiency and improve it in future and handle any unexpected breakdown, the project will enter into the maintenance phase, which will involve frequent updates, security monitoring, and the addition of new features.

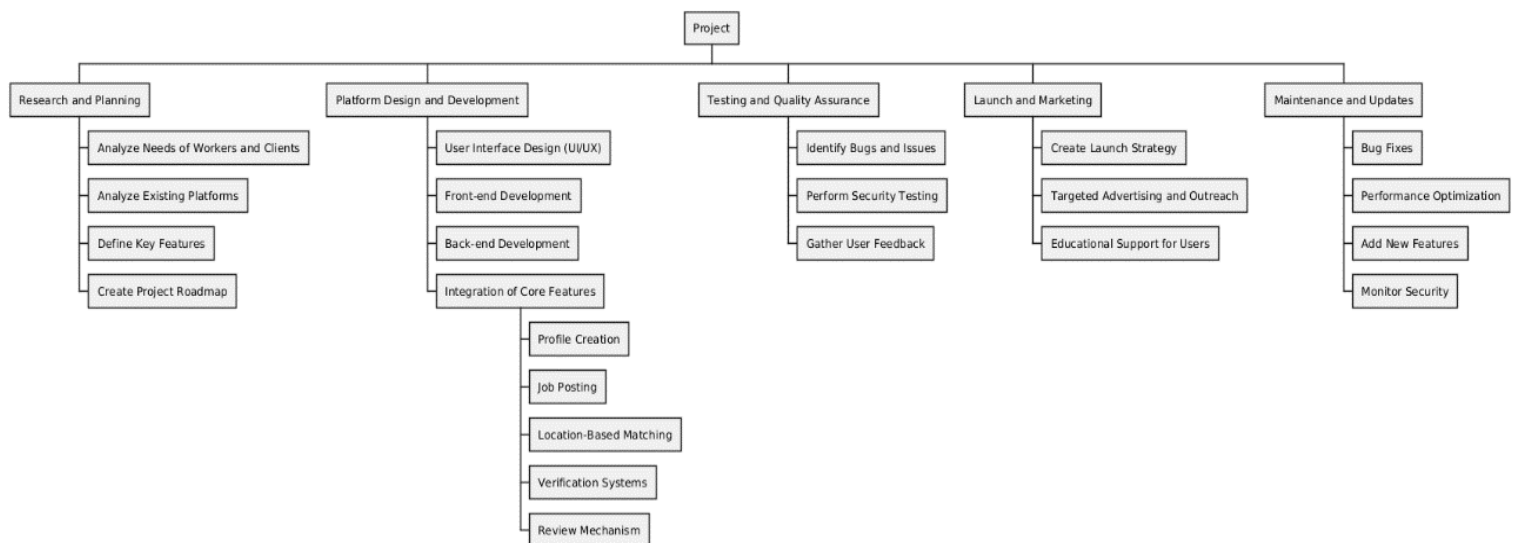


Figure 1.1 Word Breakdown Structure

## 1.4.2. Gantt Chart

The Gantt chart lists the main stages of the project, beginning with Research and Planning, which include defining important features, important current platforms, rate client and employee demands, and developing a project plan. The Platform Design and Development phase comes after that, during which the user-interface (UI) is designed, front-end and back-end components are developed, and necessary functions like job posts, profile creation, and a review system are integrated.

Following platform development, the Testing and Quality Assurance phase finds flaws, performs security checks, and collects user input to make sure everything functions as calculated. The next stage is launching and marketing of the platform, during which we launch our project to the targeted advertising. Lastly, to keep the platform safe and operational, the Maintenance and Updates phase will take care of repeatedly problems like bug repairs, performance boost, and the addition of new features.

| Tasks to be performed | Oct 2024 | Nov 2024 | Dec 2024 | Jan-Feb 2025 | Mar-Apr 2025 | May 2025 | Jun 2025 | Jul 2025 |
|-----------------------|----------|----------|----------|--------------|--------------|----------|----------|----------|
| Requirements          |          |          |          |              |              |          |          |          |
| Analysis              |          |          |          |              |              |          |          |          |
| Design                |          |          |          |              |              |          |          |          |
| Cooding               |          |          |          |              |              |          |          |          |
| Implementation        |          |          |          |              |              |          |          |          |
| Testing               |          |          |          |              |              |          |          |          |
| Documentation         |          |          |          |              |              |          |          |          |
| Final Submission      |          |          |          |              |              |          |          |          |

Figure 1.2 Gantt Chart

### 1.4.3. Team Members

Each team member have some specific expertise which they used skillfully in project.

A table in given shows team members names, their expertise and their task description.

| Name       | Skills                                     | Description        |
|------------|--|--------------------|
| Talha Umer | Back-end Developers<br>Front-end Developer | Involved in coding |

*Table 1.1 Team Members*

| Name             | Skills   | Description                              |
|------------------|----------|--|
| M.Huzaifa Javaid | Designer | Involved in Designing &<br>Documentation |

*Table 1.2 Team Members*

## 1.5. Report Outline

Here are the some features of “**HAR-FUN**”. The goal of these features is to create a complete and user-friendly platform that fills the gap between low-level workers and clients, promoting facility, trust, and approach.

- Profile Creation and Management
- Location-Based Job Matching
- Job Posting and Browsing
- Skill and Service Categorization

- Verification System
- Review and Rating System
- Secure Communication
- Flexible Payment Options
- Notification System
- User-Friendly Interface
- Multi-Language Support
- Help and Support Center
- Dashboard for Workers and Clients
- Analytics and Insights for Clients
- Advanced Search and Filtering Options
- Real-Time Availability Status for Workers
- Dispute Resolution Mechanism
- Job Scheduling and Tracking
- Subscription Plans for Premium Features
- Integration with Social Media Accounts

## **CHAPTER 2**

# **SYSTEM REQUIREMENTS AND SPECIFICATIONS**



## 2.1. Purpose

By offering a trustworthy and user-friendly way to link technicians, skilled tradesmen, and everyday laborers with people or companies in need of their services, the **HAR-FUN** goals to close the gap between low-level workers and clients. By addressing issues like irregular work schedules, doubt of online platforms, and restricted area access to opportunities, **HAR-FUN** hopes to give workers more clarity and job access while making it easier for customers to identify reliable, qualified workers who meet their unique requirements. Additionally, the platform make sure mutual accountability and trust by promoting a visible environment through review and profile verification processes. By providing clients with high-quality services and advance worthwhile employment chances for workers, **HAR-FUN** ultimately looks for advance economic growth and established source of income.

### 2.1.1 Document Conventions

When writing this SRS document for "**HAR-FUN**" the following terms are used to make the document more convincing and readable we used font:

- Times New Roman
- Line spacing: 2 line spacing
- Font Size: 12pt
- Headings: 16pt
- Sub-Heading: 14
- Headings are bold.

This document is designed for the audience and also for those Users who want to know for which purpose this platform is developed.

### 2.1.2. Intended Audience

The HAR-FUN platform aims low-level workers looking for stable employment chances, such as skilled tradesmen, technicians, and daily based laborers, as well as people and organizations in need of trustworthy experts for a variety of activities, are the targeted audience for the **HAR-FUN**.

## **2.2. Overall Description**

### **2.2.1. Service Perspective**

By introducing low-level employees and clients together, **HAR-FUN** refines services delivery by providing more features like flexible payment options, secure communication, and profile verification. It produce a smooth and trustworthy environment for worker, it also produce visibility and employment chances and ensure that clients can reach honorable professionals.

### **2.2.2. Service Function**

Easily accessible job opportunities, connection between client and worker which facilitate the client in the hiring of a skilled and reliable worker for his job, and delivering a pleasant and helpful user experience is the service role of HAR-FUN.

### **2.2.3. Product Functions**

#### **User Management**

- User Registration
- Profile Management
- Role Based Control

#### **Job Management**

- Job Posting System
- Real Time Job Matching

- Job Status Management
- Play Game-play

### **Worker Features**

- Worker Listing
- Portfolio Showcase
- Availability Updates
- Worker Dashboard

### **Payment**

- Payment Gateway
- Payment Tracking
- Commission Management

### **Communication**

- Real Time In-App Chat
- Email Updates
- Notifications

### **Rating & Reviews**

- Feedback For Workers
- Feedback For Client

### **Admin**

- User Management
- Jobs Monitoring Management
- Payments Management/Tracking
- Reports Generation

- System's Settings
- Role Management

### Tools

- Laravel (For Backend)
- Html, CSS, JavaScript (For Frontend)
- Adobe Photoshop, Adobe illustrator (For Designing)

## 2.2.4. Assumptions and Dependencies

**HAR-FUN** working and success is affected by various assumptions and dependencies. Primary assumption is that multiple local workers and clients will shift to **HAR-FUN** and use its features to share job opportunities, get desired services from a skilled and reliable worker. Besides that, a stable internet connection is required and it uses user-friendly technology to allow users with any level of technical literacy to use and utilize benefits of our platform. For transparency and trust between client and worker an organized verification process is essential. Additionally, the platform will become successful by integrating fast and secure payment gateway, communication handler, and accurate profile matching to display suitable workers for a job. Besides all of this, marketing will also play a major role in early stages of deployment to attract users.

## 2.3. External Interface Requirements

### 2.3.1. User Interfaces

The **user interface (UI)** of the **HAR-FUN** is designed to be simple, and easy to use, allowing users with any kind of digital literacy to use our platform services without facing any difficulty. It provides clarity for both workers and clients, allowing them to register easily, search for jobs or workers, communicate with them and complete

transactions. Most importantly, the UI is responsive which will adapt to any screen size whether it is a desktop or mobile device, ensuring a smooth user experience across different screen sizes.

**User interaction can take place through following things/features/modules:**

- **Easy Registration & Login** – Effortless sign-up process with profile creation for both workers and clients.
- **Dashboard** – A custom-made dashboard showing job postings, applications, and notifications.
- **Profile Management** – Workers and clients can update their profiles, including skills, experience, and reviews.
- **Secure Messaging System** – Direct communication between workers and clients within the platform.
- **Review & Rating System** – Users can leave and view ratings and feedback for trust and credibility.
- **Notification System** – Real-time alerts for job postings, applications, approvals, and payments.
- **Multi-Language Support** – Ensuring accessibility for users from different linguistic backgrounds.

### **2.3.2. Hardware Interface**

- Laptops
- Computers
- Smartphones
- Tablets
- Internet Enables Devices
- Servers
- Cloud Infrastructure

### **2.3.3. Software Interface**

- Registration & Login
- User Dashboard
- Job Search & Filtering
- Job Posting
- Profile Management
- Message System
- Review & Rating System
- Notifications
- Multi-Languages
- Responsive
- Payment Integration
- Help & Support

## 2.4. System Features

### 2.4.1. User Login

#### Description Priority

The **HAR-FUN** differentiate between both workers and clients and proceeds to deliver a smooth and well organized experience capable of fulfilling their specific needs. New job availability, profile demonstration, and secure communication, allowing to find new work chances with ease is the main focus of a worker. The platform ensures that their expertise and experience are showcased correctly, allowing them to have more chances of getting noticed by potential clients. Safe payment methods and a review system further improve trust and honesty. On the other hand, clients focus on finding skilled and reliable workers easily without wasting time and need to visit market physically. Simple job posting, advanced search and filtering options, and an organized rating system is offered by platform to help them make informed hiring decisions. Messaging without any delay and real-time notifications keep clients updated, securing smooth communication with workers. Overall, **HAR-FUN** fulfils needs of both workers and clients, by providing a user-friendly and trustworthy environment for job matching and service delivery.

#### Functional Requirements

Registered and is eligible to use **HAR-FUN**.

### 2.4.2. Logout

#### Description and Priority

The logout allows users to exit their accounts safely. Users can log out from the **HAR-FUN** through a clearly visible “Logout” button available in the navigation bar or account settings. All active sessions will be destroyed after logging out, to prevent uncertified access. Inactive users will be logged out automatically to strengthen security. User will be diverted to the login page after logging out, allowing them to sign in again whenever needed. Data Privacy, account security, and a smooth user experience is ensured through this feature.

#### Functional Requirements

User can log in/ log out whenever he/she wants.

### 2.4.3. Edit Settings

#### Description and Priority

This feature allows users to update or modify their information according to their choice and needs.

#### Functional Requirements

User must be logged in and have a stable internet connection.



## 2.4.4. Use Online

### Description and Priority

The **HAR-FUN** offers a user-friendly online experience for both workers and clients. It can be accessed through web browsers; users can complete his profile after registering on the platform. Workers is allowed to showcase their skills, apply for jobs, and communicate with the potential clients, while clients can post jobs, search desired workers, and do hiring decisions depending upon reviews. The platform provides secure payment method, real-time notifications, and messages for smooth interactions, making job searching and hiring fast, and trustworthy for all users.

### Functional Requirements

User must be logged in and have a stable internet connection.

## 2.5. Other Nonfunctional Requirements

### 2.5.1. Performance Requirements

- System device should have Window or Macintosh operating system.
- User must have a good internet connection to ensure smooth browsing, Job
- The size of the platform should be optimized to ensure it runs efficiently on devices with low storage capacity, making it available to a vast range of users without any of the performance issues.
- The platform should be able to handle high traffic without major changing in performance, ensuring that users can engage with the system easily, even during peak usage times.

### 2.5.2. Safety Requirements

Only authorized user can log in. Data should be encrypted before saving and uploading on the server to prevent hacker from reading data in case of any attack with the help of encryption. Because data privacy and secure transactions is one of the main goals of the platform.

### 2.5.3. Software Quality Attributes

**Usability, reliability, scalability, security, and performance** are main focuses of the platform. It offers an insightful interface, ensures minimum delay and system breakout and secure payments. The platform is designed for easy maintenance and quick updates, while also deliver fast load time and smooth user experience across any device.

#### Availability

- The platform should have high availability, line up for 95% uptime, ensuring that users can access the **HAR-FUN** at any time.
- Scheduled maintenance and updates should be hand on in advance and performed with minimum service disruption.

#### Performance

- The system should respond quickly, with minimum loading times for all pages, like, job searches, and profile updates.
- It must support high user engagement, ensuring that performance remains stable even during peak traffic hours.

#### Scalability

- The platform should be designed to scale as the user base and data grow.
- It should efficiently handle increased job postings, user profiles, and communication traffic without performance downfall.

### **Security**

- Strong security measures should be in place
- The platform must adhere to privacy regulations

### **Reliability**

- The system must operate consistently, with minimal errors and downtime.
- It should have automatic failover mechanisms in case of server failure to ensure uninterrupted service.

### **Maintainability**

- The system should have a modular architecture, making it easy to maintain and update.
- Code should be well-documented, with clear version control and issue tracking for ongoing improvements.

### **Portability**

- **HAR-FUN** should be reachable on various devices, including smartphones, tablets, and desktops, supporting major (OS) operating systems (e.g., Android, iOS, Windows, macOS).

### **Interoperability**

- The system should combine without any interruption with third-party services such as payment gateways

## Localization

- The platform should support multiple languages and regional selections, including currency formats and time zones, to help a disparate, global user base.

## 2.6. Other Requirements

The **HAR-FUN** store detailed user information of both workers and clients, ensuring that each user's data is saved with a unique tag in the (DB) database. This includes personal details, expertise, job history, ratings, and payment information, all related to their personal profiles. The system will handle secure, encrypted storage for sensitive information and permit users to update their profiles according to their need, ensuring data ethics and privacy throughout the platform's operations.

## **CHAPTER 3**

### **USECASE ANALYSIS**

### 3.1. Use Case Model

A use case in the **HAR-FUN** platform describes the communication between users (workers and clients) and the system to achieve specific tasks. Multiple use cases like **user registration, job posting, job searching, hiring, fast communication, and payment processing**. Profile can be created and managed by worker including features showcasing their expertise and experience to get noticed by potential clients. On the other hand, clients, can post job demands, search workers, and review their profiles before hiring. The platform provides communication between both workers and clients through a built-in messaging feature, allowing them to discuss job details safely. Moreover, a secure payment gateway is integrated in **HAR-FUN** which allows smooth transactions. Users are kept up-to-date about job postings, applications, approvals, and payments through notifications.

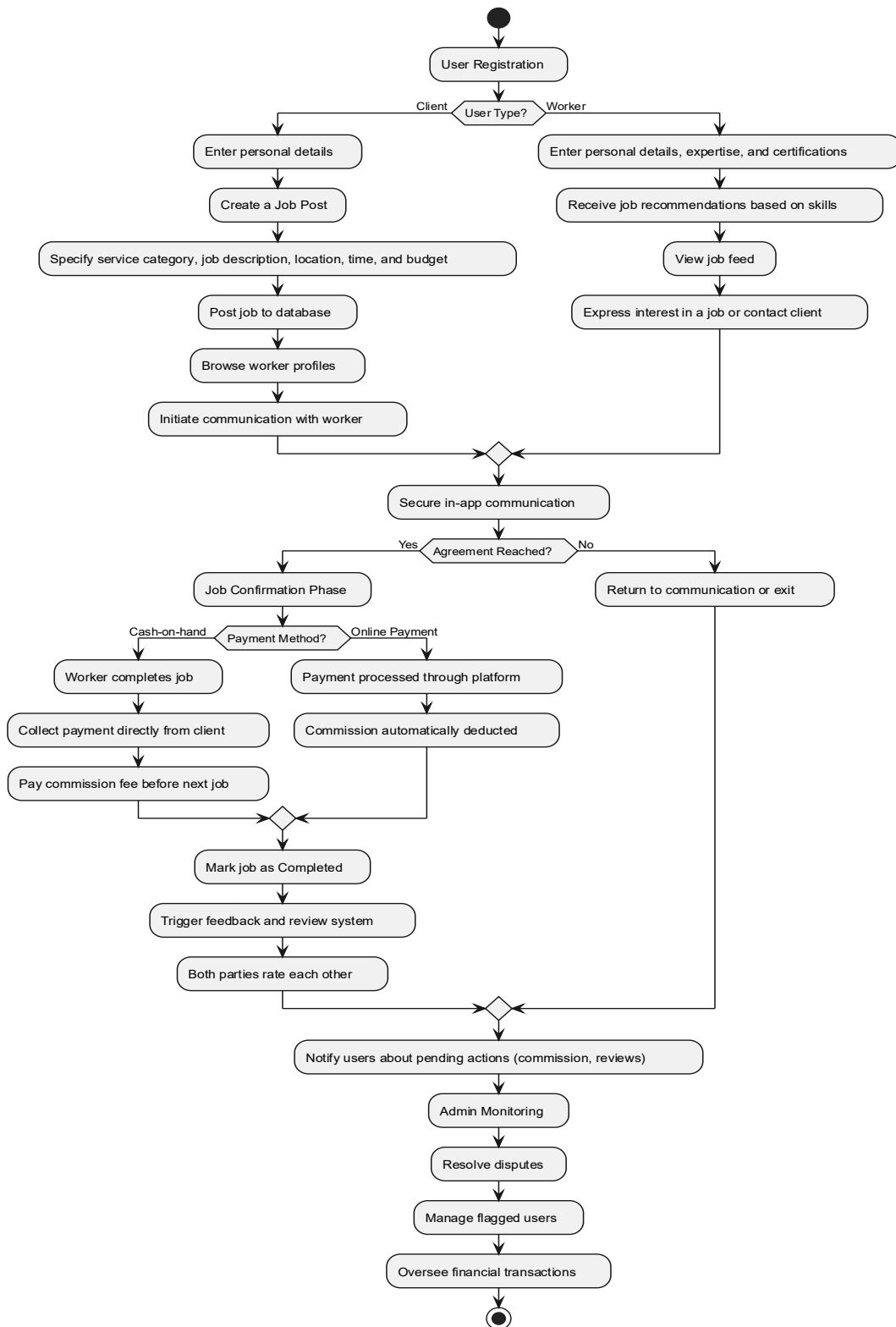


Figure 3.1 Use Case Model

### 3.2. Fully Dressed Use Case

- **User Registration**

Users can sign up as a client or as a worker on platform. Registration process begins with selecting their expertise, followed by client entering personal details, similarly workers have to enter information according to their skill. After submission of required details, the system creates an account, granting access to **platform** features like job posting for clients and job searching for workers. verified profiles, security and transparency within the platform is ensured through this.

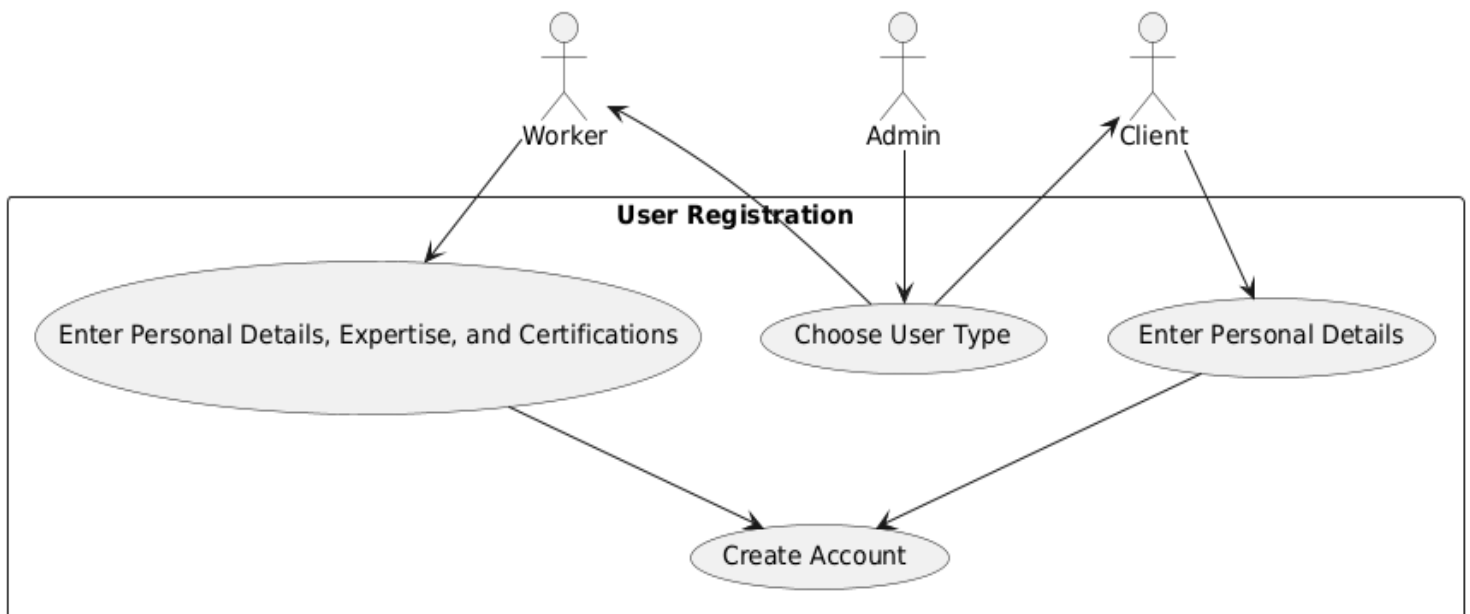


Figure 3.2 Login Use Case



| Fully Dressed Use Case |                         |  |
|------------------------|-------------------------|--|
| •                      | <b>Use Case Name</b>    | User Registration  |
| •                      | <b>Scope</b>            | Login  |
| •                      | <b>Levels</b>           | Client, Worker, Admin  |
| •                      | <b>Actor</b>            | Client, Worker, Admin  |
| •                      | <b>Stakeholder</b>      | Client, Worker, Admin  |
| •                      | <b>Pre-Condition</b>    | Internet, Email, Legal Age, No Existing Session on this email, |
| •                      | <b>Post-Condition</b>   | Access to Platform   |
| •                      | <b>Success Scenario</b> | Successfully Login   |

Table 3.1 Use Case <01>

- **Job Searching**

It allows worker to search and apply for desired jobs. Worker can search for jobs according to specific keywords or specific choices like salary and experience. Worker can save attractive jobs of interest later review and applications. And above all, worker can apply to a specific job which fulfils his requirements after submitting necessary information.

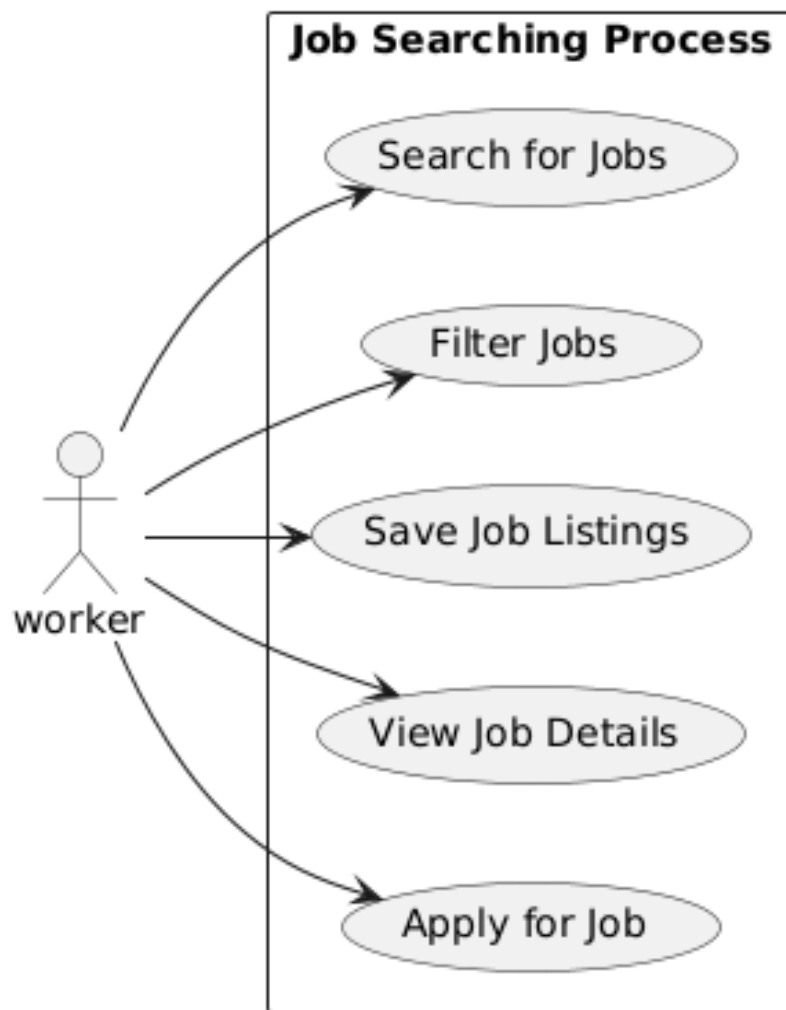


Figure 3.3 Job Searching Use Case

| Fully Dressed Use Case |                         |  |
|------------------------|-------------------------|--|
| •                      | <b>Use Case Name</b>    | Job Searching Process  |
| •                      | <b>Scope</b>            | Search Job, Filter Job, Job Listing, Job Details, Apply                                  |
| •                      | <b>Level</b>            | Search Job, Filter Job, Job Listing, Job Details   |
| •                      | <b>Actor</b>            | Worker   |
| •                      | <b>Stakeholder</b>      | Client, Worker, Admin  |
| •                      | <b>Pre-Condition</b>    | Internet, Platform Access, Available job Listing, Search Criteria, Device Compatibility, |
| •                      | <b>Post-Condition</b>   | Searches & Filters can be Changed  |
| •                      | <b>Success Scenario</b> | Search Results   |

Table 3.2 Use Case <02>

## • Job Posting

**HAR-FUN** allows a client to create and manage job listings on according to their requirements. Initially client create a job after entering some details like job title, description, and location and define required expertise, experience for the role and budget for the job. Job listing can be changed/updated by the client or can be deleted if the job is no longer available.

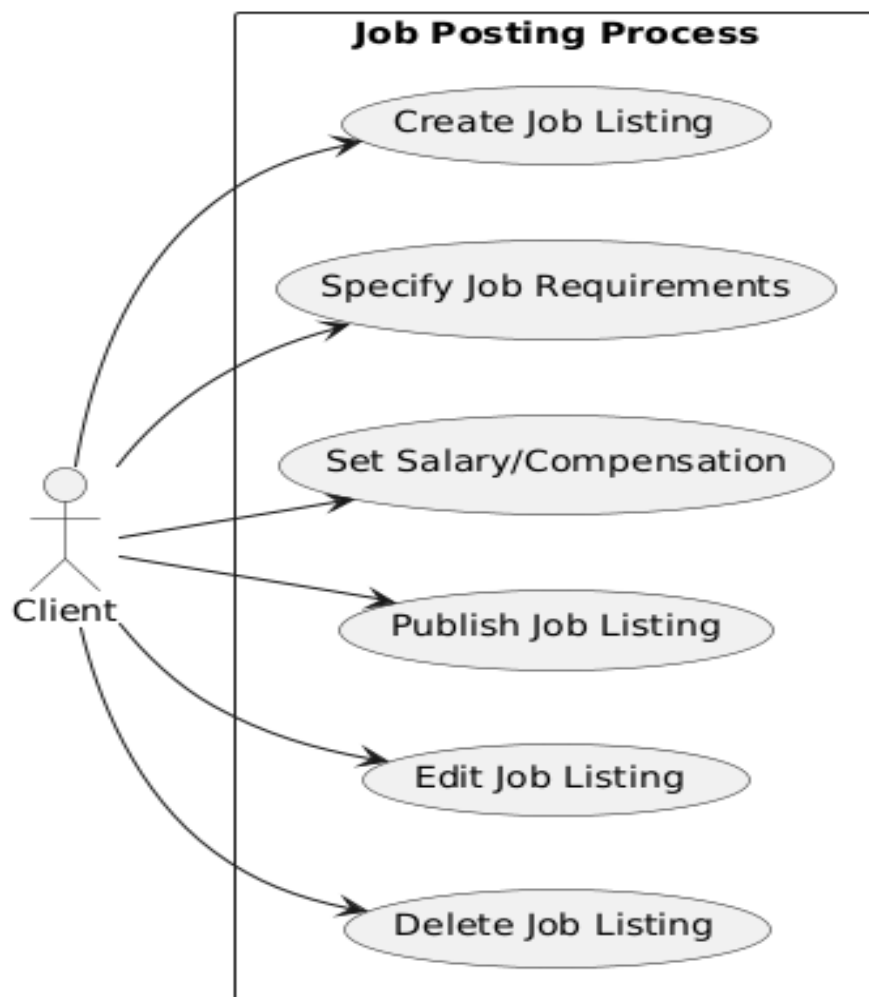


Figure 3.4 Job Posting Use Case

| Fully Dressed Use Case |                         |  |
|------------------------|-------------------------|--|
| •                      | <b>Use Case Name</b>    | Job Posting  |
| •                      | <b>Scope</b>            | Create Job, Specify Job Requirement, Publish Job Listing, Edit Job Listing, Delete Job Listing |
| •                      | <b>Level</b>            | Create Job, Specify Job Requirement, Publish Job Listing, Edit Job Listing, Delete Job Listing |
| •                      | <b>Actor</b>            | Client   |
| •                      | <b>Stakeholder</b>      | Client, Worker, Admin  |
| •                      | <b>Pre-Condition</b>    | Job Posting Process,<br>Personal Profile,<br>Internet Connection,<br>Authentication            |
| •                      | <b>Post-Condition</b>   | Only Post Available Categories Jobs  |
| •                      | <b>Success Scenario</b> | Job Post Successfully.   |

Table 3.3 Use Case <03>

- **Worker Hiring**

Worker hiring begins with evaluating job applications and shortlisting candidates based on expertise and experience. Followed by selection of the most suitable applicant by the client and proceeds with sending job offer to that worker. Hiring process is completed after acceptance of job offer by that worker.

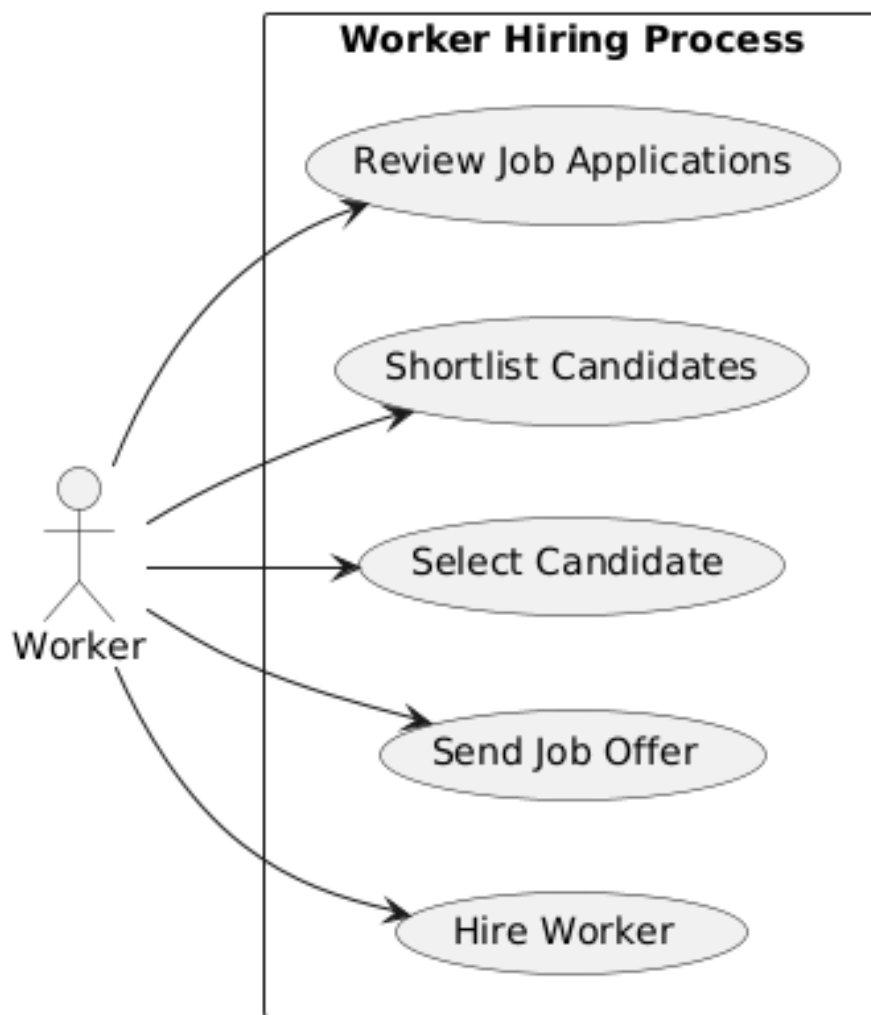


Figure 3.5 Worker Hiring Use Case

| Fully Dressed Use Case |                  |   |
|------------------------|------------------|---|
| •                      | Use Case Name    | Worker Hiring   |
| •                      | Scope            | Review Job Application, Shortlist Candidates, Select Candidate, Send Job Offer, Hire Worker               |
| •                      | Level            | Review Job Application, Shortlist Candidates, Select Candidate, Send Job Offer, Hire Worker               |
| •                      | Actor            | Worker  |
| •                      | Stakeholder      | Client, Worker, Admin   |
| •                      | Pre-Condition    | Job Listing<br>Job Applications<br>Authentication<br>Internet Connection                                  |
| •                      | Post-Condition   | Candidate is Selected<br>Job Offer is Sent<br>Hiring Decision is Finalized<br>Candidate Status is Updated |
| •                      | Success Scenario | Worker Hired Successfully   |

Table 3.4 Use Case <04>

- **Secure Communication**

Fast and secure messaging between both parties the client and the worker after the client picks a worker for the job/task takes place. Worker and client can interchange messages securely after logging in on the platform. Message encryption and decryption is used for data security T prevent conflict, ensuring safe and secure communication throughout the job discussion process message is verified by system during communication.

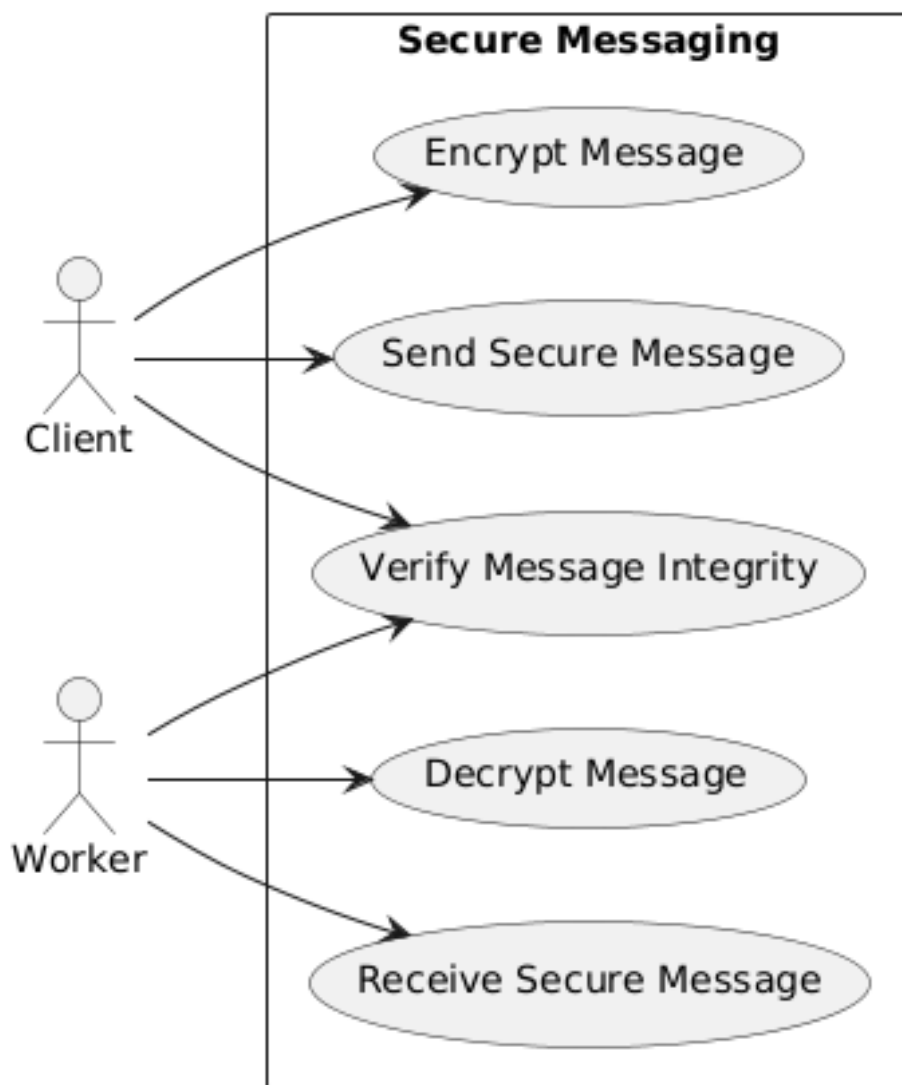


Figure 3.6 Secure Communication Use Case



| Fully Dressed Use Case |                         |  |
|------------------------|-------------------------|--|
| •                      | <b>Use Case Name</b>    | Secure Communication   |
| •                      | <b>Scope</b>            | User Authentication, Encrypt Message, Send Secure Message, Receive Secure Message, Decrypt Message, Verify Message Integrity |
| •                      | <b>Level</b>            | User Authentication, Encrypt Message, Send Secure Message, Receive Secure Message, Decrypt Message, Verify Message Integrity |
| •                      | <b>Actor</b>            | Client, Worker, System   |
| •                      | <b>Stakeholder</b>      | Client, Worker, System   |
| •                      | <b>Pre-Condition</b>    | Must be Login<br>Job Selection<br>Internet Connection  |
| •                      | <b>Post-Condition</b>   | Worker Selection   |
| •                      | <b>Success Scenario</b> | Messages started successfully  |

Table 3.5 Use Case <05>

- **Payment Process**

Secure and smooth transactions between client and worker takes place. Payment process begins with the selection of a payment method by both parties. Followed by approval from client entering the payment details, to ensure precise amount and method. After confirmation, the system processes the payment, once it is done and the worker receives confirmation of the payment, and both the client and worker are provided with a payment receipts for their records.

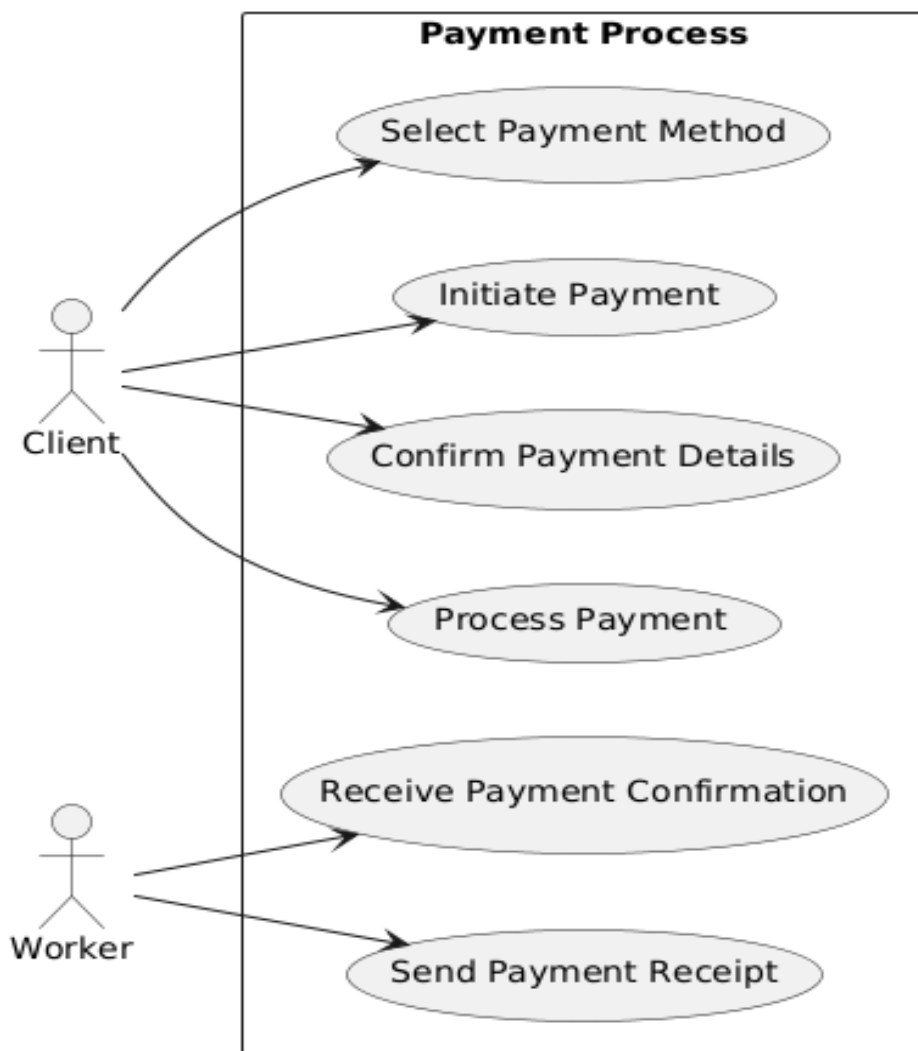


Figure 3.7 Payment Process Use Case

| Fully Dressed Use Case |                         |   |
|------------------------|-------------------------|---|
| •                      | <b>Use Case Name</b>    | Payment Process   |
| •                      | <b>Scope</b>            | Select Payment Methode, Initiate Payment, Conform Payment Detail, Process Payment, Payment Confirmation, Send Payment Receipt |
| •                      | <b>Level</b>            | Select Payment Methode, Initiate Payment, Conform Payment Detail, Process Payment, Payment Confirmation, Send Payment Receipt |
| •                      | <b>Actor</b>            | Admin, Client, Worker   |
| •                      | <b>Stakeholder</b>      | Admin, Client, Worker   |
| •                      | <b>Pre-Condition</b>    | Must be Login<br>Internet Connection<br>Job and Payment Terms<br>Payment Method Available                                     |
| •                      | <b>Post-Condition</b>   | Job Complete After Payment Transfer   |
| •                      | <b>Success Scenario</b> | Job Ended Successfully  |

Table 3.6 Use Case <06>