



Worker Service

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A project submitted in partial fulfillment of the requirement for the degree of Bachelor of Science in Software Engineering.

Department of Software Engineering

Daffodil International University

APPROVAL

This project entitled on “**Worker Service**” submitted by **Md. Sumon Uddin** ID 152-35-1142 to the Department of Software Engineering of Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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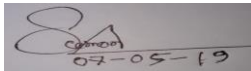
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Declaration

I hereby declare that I have taken this project under the supervision of **Mr. Asif Khan Shakir**, Lecturer, Department of Software Engineering, Daffodil International University. We also declare that neither this report nor any part of this has been submitted elsewhere for award of any degree.



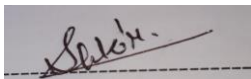
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Acknowledgement

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I wish to express our sincere thanks to **Dr. Touhid Bhuyan**, professor & Head of Software Engineering Department for his constant encouragement.

Last but not least, I would like to thank my parents, for their unconditional support, love and without this I would not have come this far.

Above all, I would like to thank to The Almighty Allah for giving me strength to complete this project.

Abstract

Worker service system for digital world and give smart work feelings.

Worker get easily work and order. Worker can choice work type. This system all facilities of work. Worker can search work item, customer get smart feelings for need service. Customer can contact with worker, customer can create her information for need any work. Customer get safety feelings use this website for service. My system is very lite, and easy feature so that basic knowledgeable person. Can browse this software more easily, and we try to develop software for help people.

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Chapter 1 Introduction

1.1. Introduction: Software is more efficient for any kind of organization for making their work easy and first. For this consistency, worker service is the major part of solve the work, the project is worker service management system. This project helpful for worker and customer. Worker can create a profile and this is types of job. Its types of home service, customer can select option of service which need of anything. After that this information have being send selected types of service then customer contact with worker, when customer need her help for work then create her information. Worker show this information and selected types of service then contact with customer.

1.2. Purpose: Worker Service system is a little and easy software. It help medium and small work solve to use software with their small bugged. User can solve her problem.

1.3. Scope: Every Organization need software to make their task easily and fairly. For this consistency all work management also need software like worker information. In available system in market there are price are a big amount and its feature is so critical. For this cause, medium and small work service want to that but not to buy for financial limitation and lack of manpower.

1.4. Vision: My startup target is to reach medium and small Worker Service, because there are lot of a system. If I reach there I achieve my first goal.

1.5. Why this system is necessary: The software to make their task easily and fairly. For this consistency all worker service also need software like worker information. In available system in market there are price are a big amount and its feature is so critical. For this cause, customer easy solve her problem in flowing the system.

1.6. Proposed Solution: There is not a single feature what is not necessary. So, I think my project is the proper product for managing a Worker Service.

Chapter 2

Software Requirement Specification

2.1. Requirement Specification

A software requirements (SRS) is a comprehensive description of intended purpose and environment for software under development. The SRS fully describes what the software will do and how it will be expected to perform.

Requirement prioritization is used in software product management for determining which candidate requirements are high, medium and low of a software function module should be included in a certain release. Requirements are also prioritized to minimize risk during development so that the most important or high risk requirements are implemented first.

Table 2.1: Functional Requirements

ID	Name	Description	Priority
01	Registration	Worker can registration by using this module.	High
02	Registration	Customer can registration by using this module.	High
03	Manage Order	Customer request for order and Worker can approve the order requests.	Medium
04	Manage Contact Worker with Customer	Customer contact with worker for work.	High

2.2. Data Requirements

Table 2.2: Data Requirements

No	Description	Priority
01	Worker name, email, address, phone, work	High
02	Customer name, address, phone, work	High

2.3. Availability Requirements

Table 2.3: Availability Requirements

No	Description	Priority
01	The system should work 24 hours a day.	Medium
02	The system should provide the desired data to the user in time.	Low

2.4. Maintenance Requirements

Table 2.4: Maintenance Requirements

No	Description	Priority
01	The system maintenance should be quick.	Low

2.5. Access Requirements

Table 2.5: Access Requirements

No	Description	Priority
01	User's access have to be limited with their use case boundaries.	Medium
02	Users need to be authorized first to access data.	High
03	Only Administrative authority will be able to enter the system to make maintenance.	High
04	User's boundaries should be within the system	Medium

Chapter 3 System Analysis

3.1. Use Case Description

3.1.1. Admin Use Case: Admin of System has necessary data required for Reports generation. Admin can also login account and can assign roles to accounts login. He can also check all worker information.

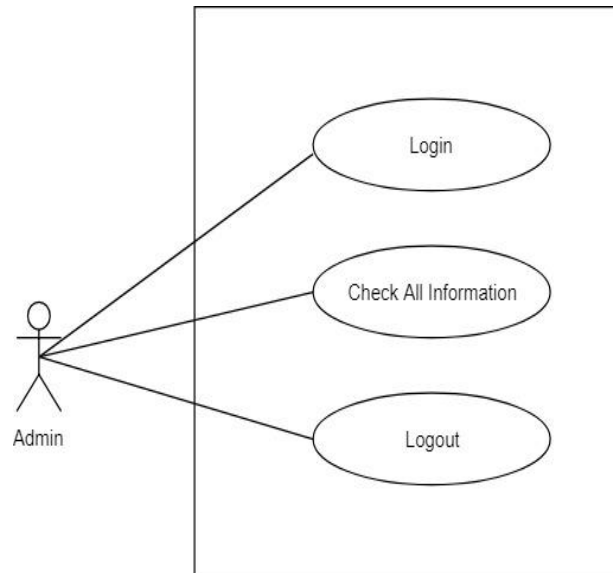


Figure 3.1.1: Use Case-Admin

Table 3.1: Login

Use Case No	1.1
Use Case Name	Login
Actor	Admin
Description	Allowing admin to login to the system.
Precondition	Admin should remain in the login page.
Trigger	Click the “Login” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Two text fields to give input of the username and password respectively. ➤ Write the username and password on that field and click the login button.
Post Condition	Admin logged into the system.

Table 3.2: Check all information

Use Case No	1.2
Use Case Name	Check all information.
Actor	Admin
Description	Admin checked all worker and customer information.

Precondition	Login
Trigger	Click the “Check all information” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Show all information worker and customer. ➤ Admin check information’s.
Post Condition	Admin check the system.

Table 3.3: Logout

Use Case No	1.3
Use Case Name	Logout
Actor	Admin
Description	Admin logout to the system.
Precondition	Check all information
Trigger	Click the “Logout” Link.
Flow Of Events	Logout on that field and click the logout button.
Post Condition	Admin logout into the system.

3.1.2. Worker Use Case: Worker of System has necessary data required for Reports generation.

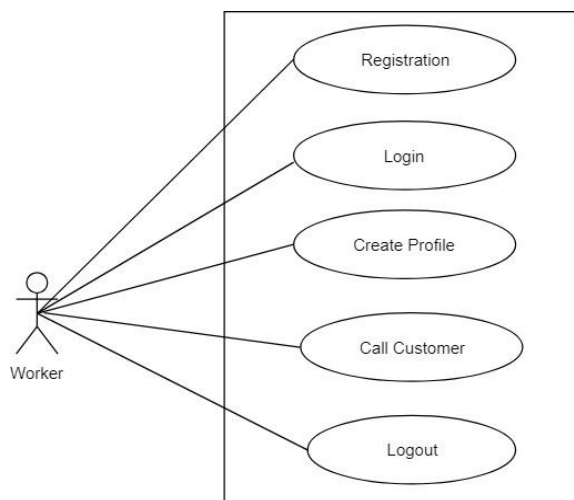


Figure 3.1.2: Use Case- Worker

Table 3.4: Registration

Use Case No	2.1
Use Case Name	Registration
Actor	Worker
Description	Allowing user to the registration system.
Precondition	User should remain in the registration page.
Trigger	Click the “Registration” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Three text fields to give input of the old username, password and confirming password respectively. ➤ Fill up those fields and click reset button.
Post Condition	Worker registration in the system.

Table 3.5: Login

Use Case No	2.2
Use Case Name	Login
Actor	Worker
Description	Allowing user to the login system.
Precondition	Registration
Trigger	Click the “Login” Link
Flow Of Events	<ul style="list-style-type: none"> ➤ Two text fields to give input of the username and password respectively. ➤ Write the username and password on that field and click the login button.
Post Condition	Worker logged into the system.

Table 3.6: Create Profile

Use Case No	2.3
Use Case Name	Create Profile
Actor	Worker
Description	Allowing the users create her profile.
Precondition	Login
Trigger	Click the “Create profile” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Here have a text fields to give input users information. ➤ Fill up those fields and click confirm button.
Post Condition	Users give her about details.

Table 3.7: Call Customer

Use Case No	2.4
Use Case Name	Call customer
Actor	Worker
Description	Worker called customer in the system.
Precondition	Create profile.
Trigger	Click the “Call Customer” link.
Flow Of Events	<ul style="list-style-type: none"> ➤ When customer need work then show all work and her work chose then confirm order, and called worker for work. ➤ Worker accept order and called customer.
Post Condition	When customer order for work then worker called customer.

Table 3.8: Logout

Use Case No	2.5
Use Case Name	Logout
Actor	Worker
Description	Worker Logout to the system.
Precondition	Call customer.
Trigger	Click the “Logout” link.
Flow Of Events	Logout on that field and click the logout button.
Post Condition	Worker logout into the system.

3.1.3. Customer Use Case: Customer of System has necessary data required for Reports generation.

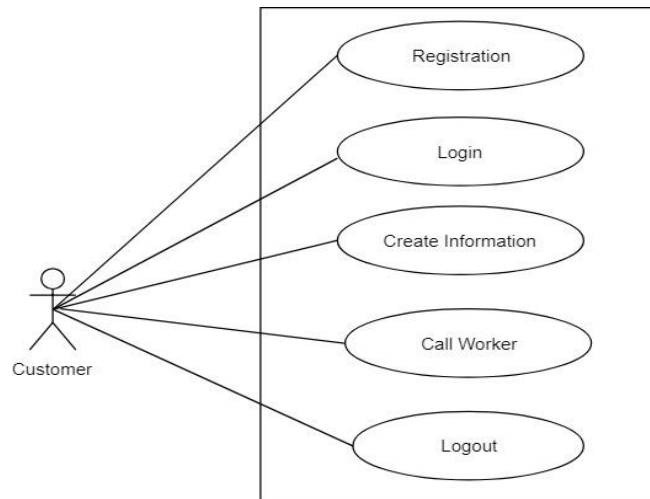


Figure 3.1.3: Use Case- Customer

Table 3.9: Registration

Use Case No	3.1
Use Case Name	Registration
Actor	Customer
Description	Allowing user to the registration system.
Precondition	User should remain in the registration page.
Trigger	Click the “Registration” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Three text fields to give input of the old username, password and confirming password respectively. ➤ Fill up those fields and click reset button.
Post Condition	Customer registration in the system.

Table 3.10: Login

Use Case No	3.2
Use Case Name	Login
Actor	Customer
Description	Allowing user to the login system.
Precondition	Registration
Trigger	Click the “Registration” Link
Flow Of Events	<ul style="list-style-type: none"> ➤ Two text fields to give input of the username and password respectively. ➤ Write the username and password on that field and click the login button.
Post Condition	Customer logged into the system.

Table 3.11: Create Information

Use Case No	3.3
Use Case Name	Create Information
Actor	Customer
Description	Allowing the users create her information.
Precondition	Login
Trigger	Click the “Create information” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ Here have a text fields to give input users information. ➤ Fill up those fields and click confirm button.
Post Condition	Customer create her information.

Table 3.12: Call Worker

Use Case No	3.4
Use Case Name	Call Worker
Actor	Customer
Description	Customer called customer in the system.
Precondition	Create information.
Trigger	Click the “Call worker” Link.
Flow Of Events	<ul style="list-style-type: none"> ➤ When customer need help for work then give her information. ➤ Worker show this information and called customer for work.
Post Condition	When customer need help for work then called worker.

Table 3.13: Logout

Use Case No	3.5
Use Case Name	Logout
Actor	Customer
Description	Allowing user to the logout in the system.
Precondition	Call worker.
Trigger	Click the “Logout” Link.
Flow Of Events	Logout on that field and click the logout button.
Post Condition	Customer logout into the system.

3.1.4. Use Case Description (Detailed): Worker Service System there are one type of use. This system setup Admin maintain the worker information use in software. System user can browse all kind of section worker registration, Worker information assign roles and report generate.

3.2. Activity Diagram:

3.2.1. Loin for Admin

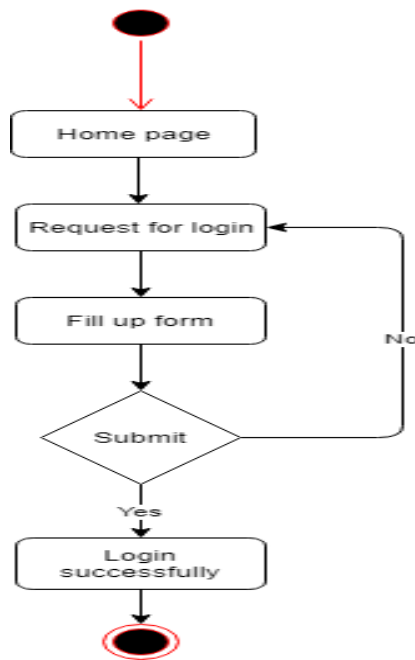


Figure 3.2.1: Login for Admin

3.2.2. All Information Check

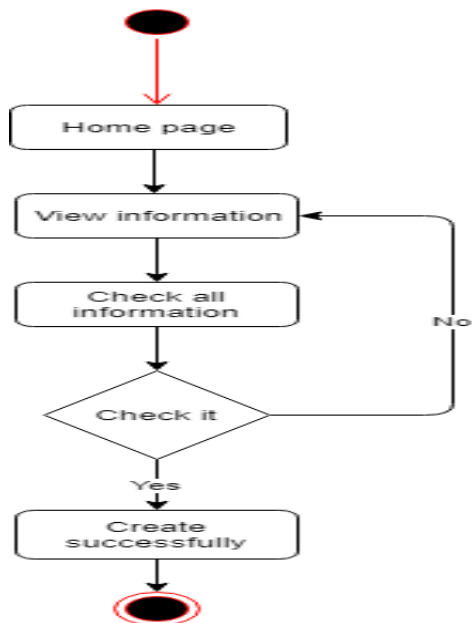


Figure 3.2.2: All Information Check

3.2.3. Logout for Admin

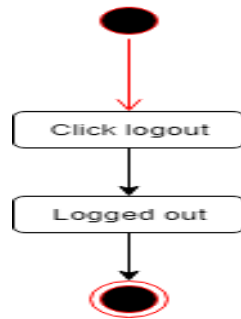


Figure 3.2.3: Logout for Admin

3.2.4. Registration for Worker

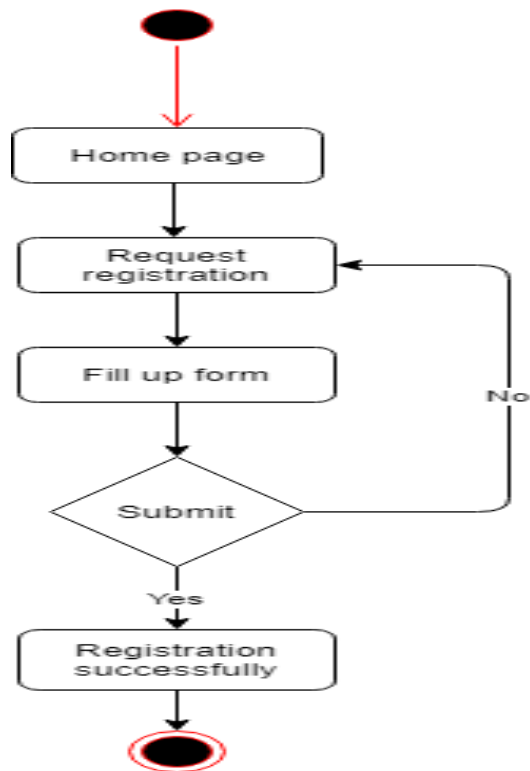


Figure 3.2.4: Registration for Worker

3.2.5. Login for Worker

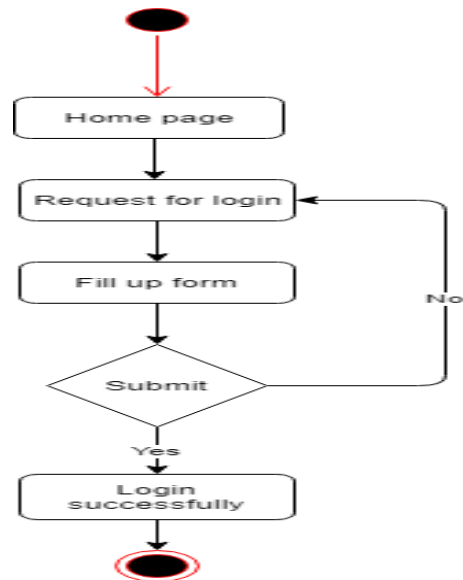


Figure 3.2.5: Login for Worker

3.2.6. Create Profile for Worker

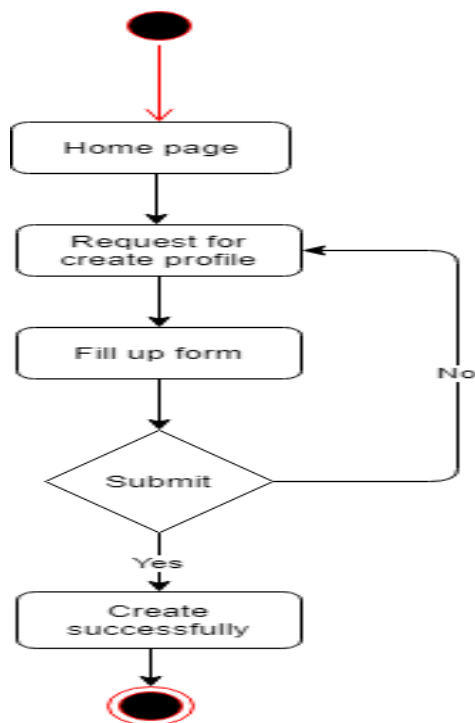


Figure 3.2.6: Create Profile for worker

3.2.7. Call Customer

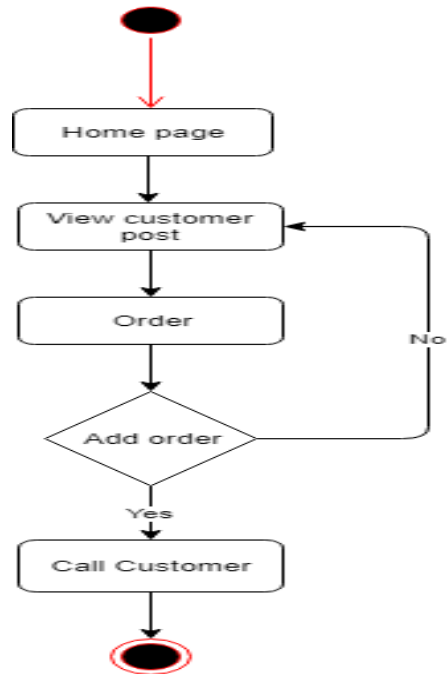


Figure 3.2.7: Call Customer

3.2.8. Logout for Worker

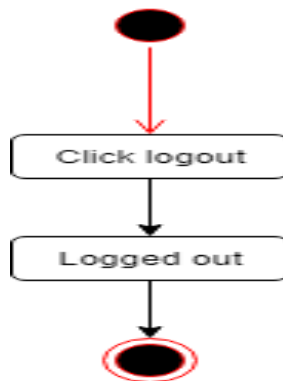


Figure 3.2.8: Logout for Worker

3.2.9. Registration for Customer

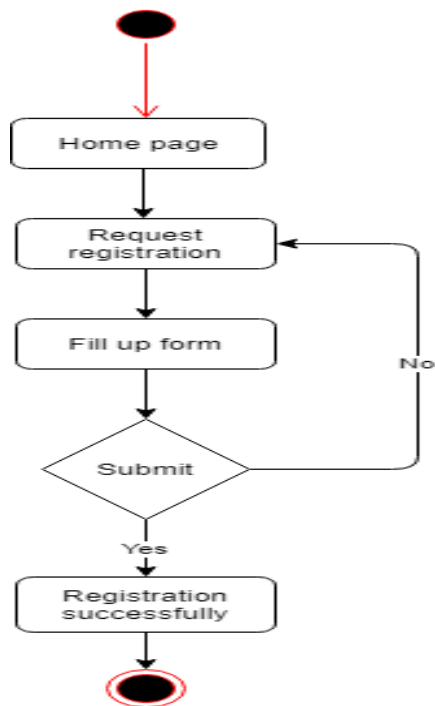


Figure 3.2.9: Registration for Customer

3.2.10. Login for Customer

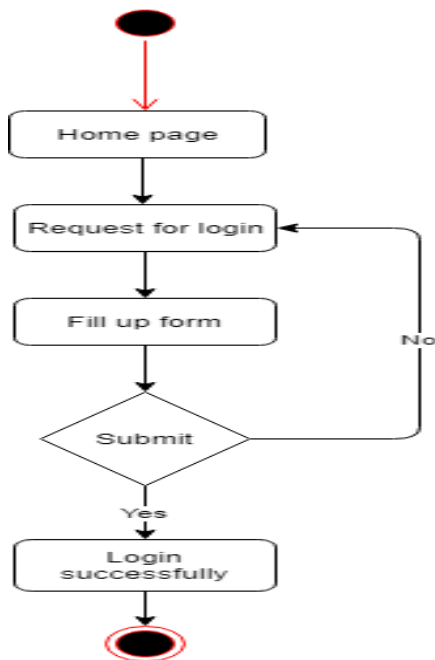


Figure 3.2.10: Login for Worker

3.2.11. Create Information for Customer

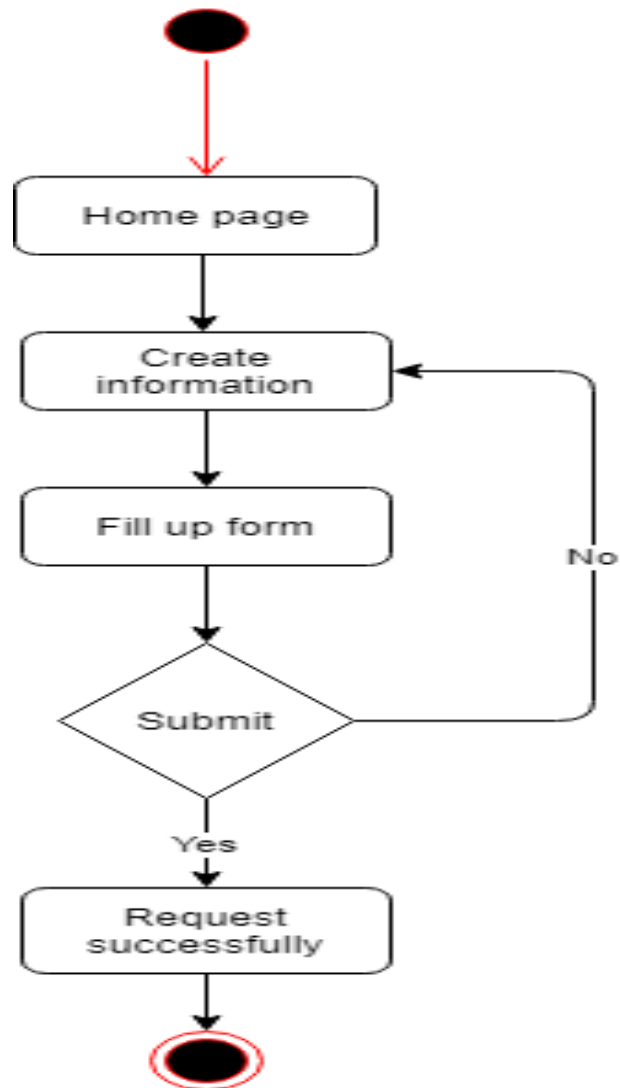


Figure 3.2.11: Create Information for Customer

3.2.12. Call Worker

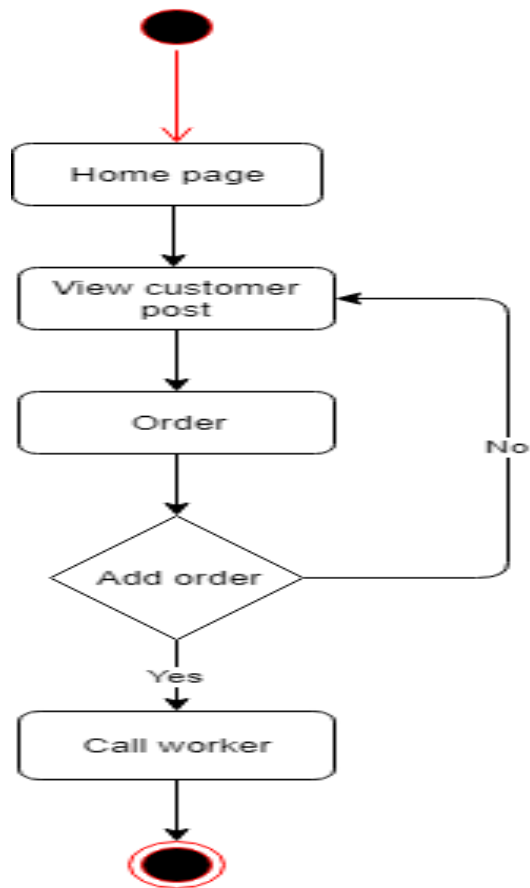


Figure 3.2.12: Call Worker

3.2.13. Logout for Customer

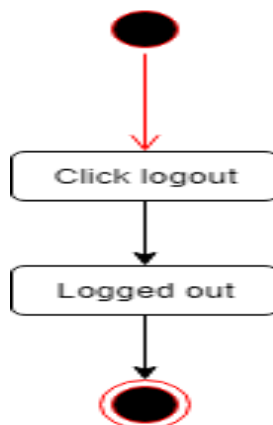


Figure 3.2.13: Logout for Customer

Chapter 4 System Design Specification

4.1. Sequence Diagram: The UML includes interaction diagrams to illustrate how objects interact via messages. They are used for dynamic object modeling. The term interaction diagram is a generalization of two more specialized UML diagram types.

4.1.1. Login for Admin

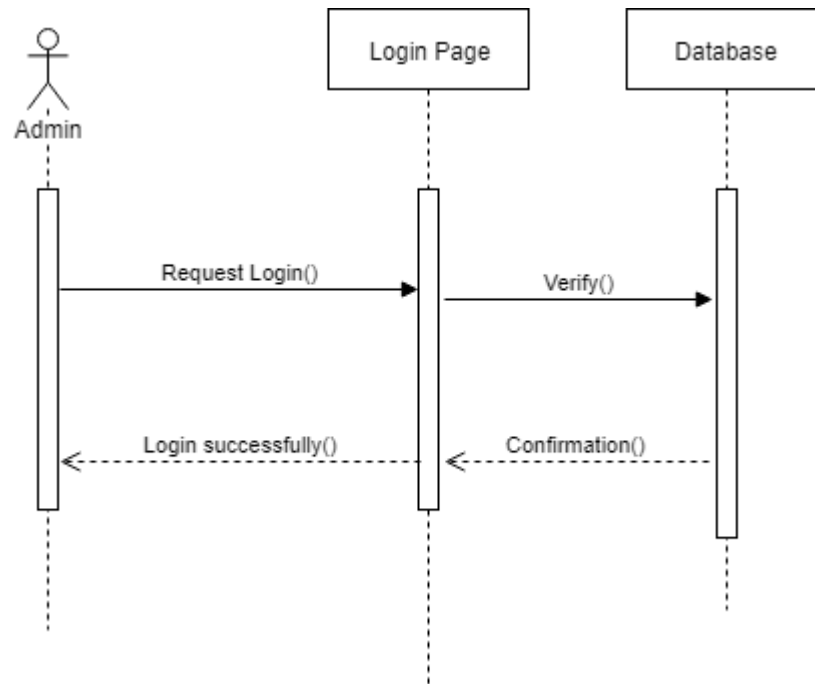


Figure 4.1.1: Login for Admin

4.1.2. All Information for Admin

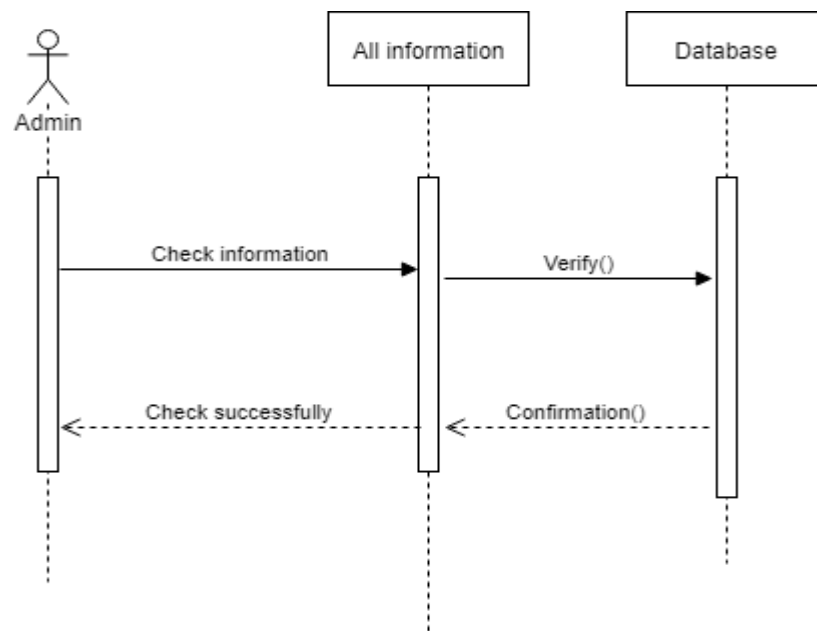


Figure 4.1.2: All Information for Admin

4.1.3. Logout for Admin

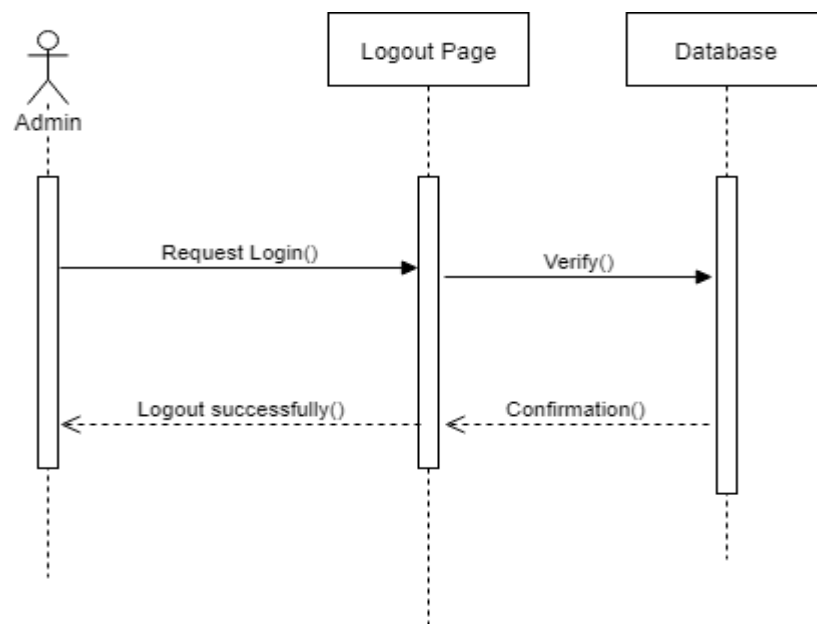


Figure 4.1.3: Logout for Admin

4.1.4. Registration for Worker

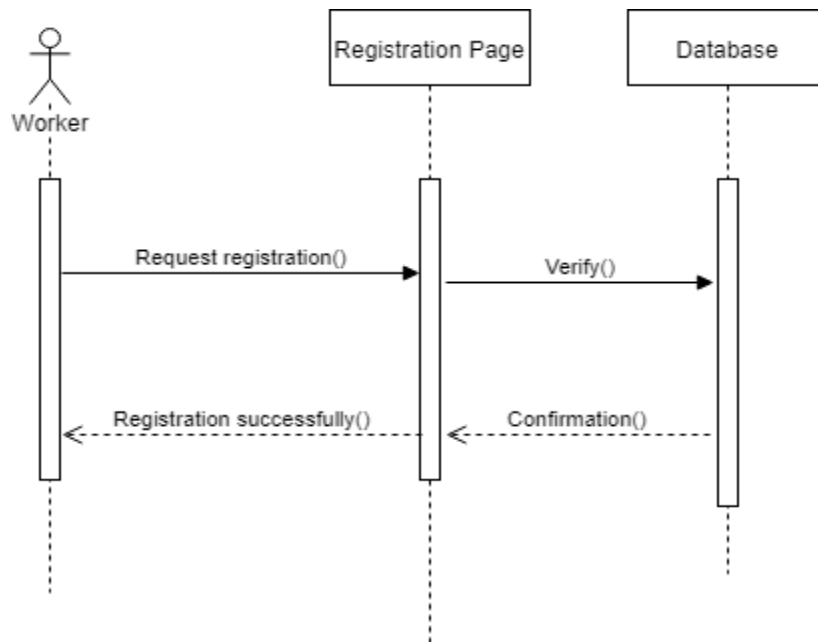


Figure 4.1.4: Registration for Worker

4.1.5. Login for Worker

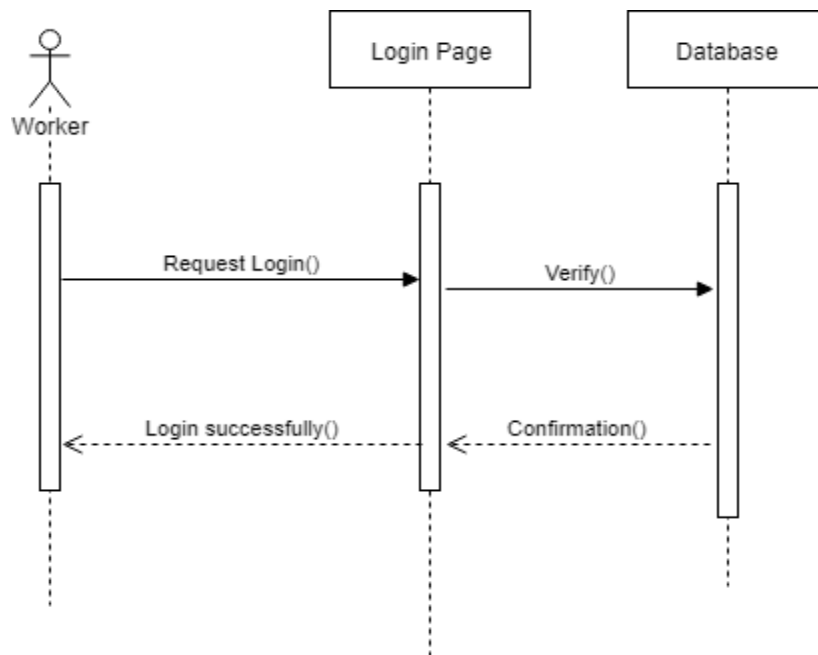


Figure 4.1.5: Login for Worker

4.1.6. Create Profile for Worker

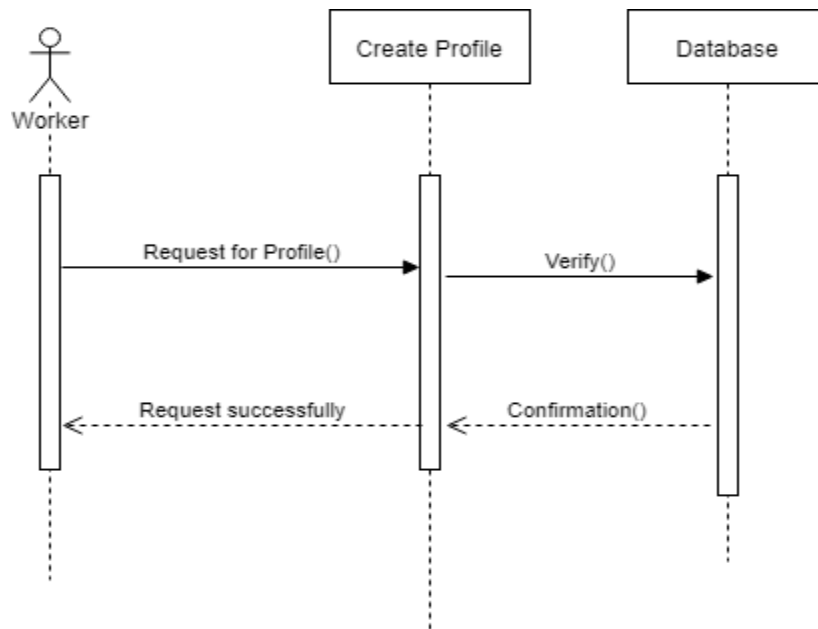


Figure 4.1.6: Create Profile for Worker

4.1.7. Call for Worker

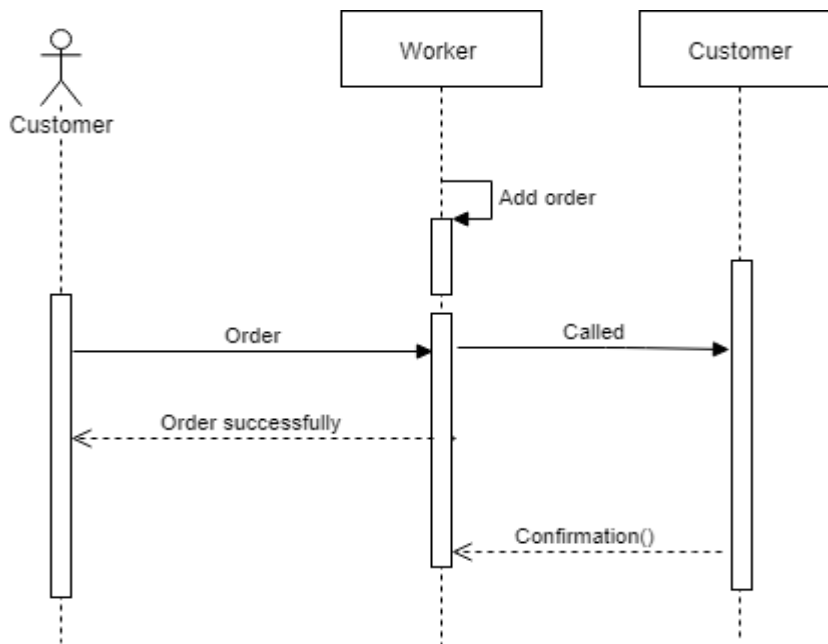


Figure 4.1.7: Call for Worker

4.1.8. Logout for Worker

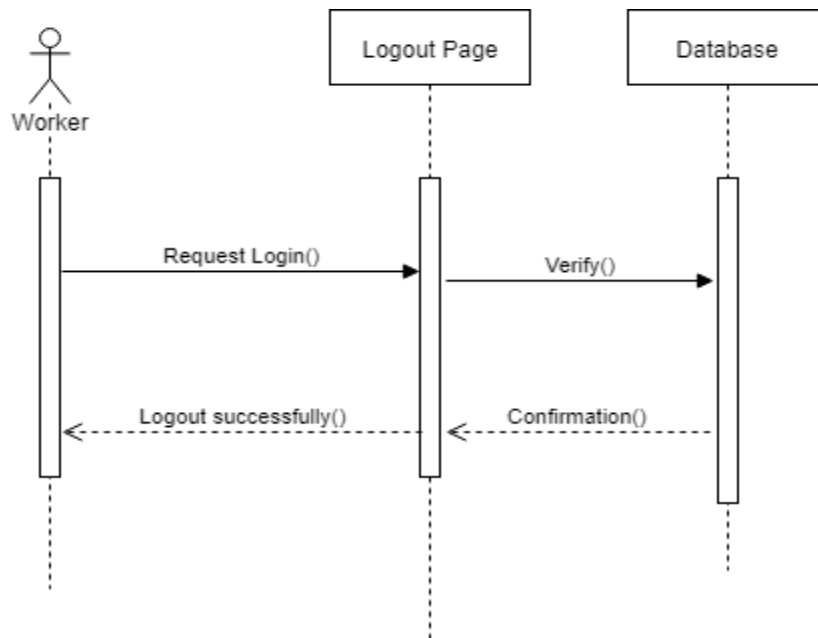


Figure 4.1.8: Logout for Worker

4.1.9. Registration for Customer

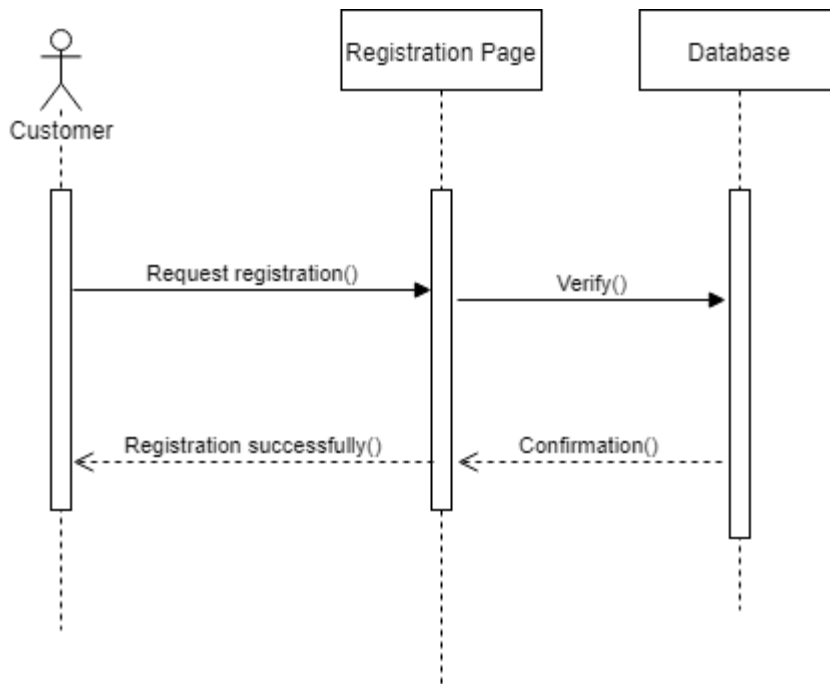


Figure 4.1.9: Registration for Customer

4.1.10. Login for Customer

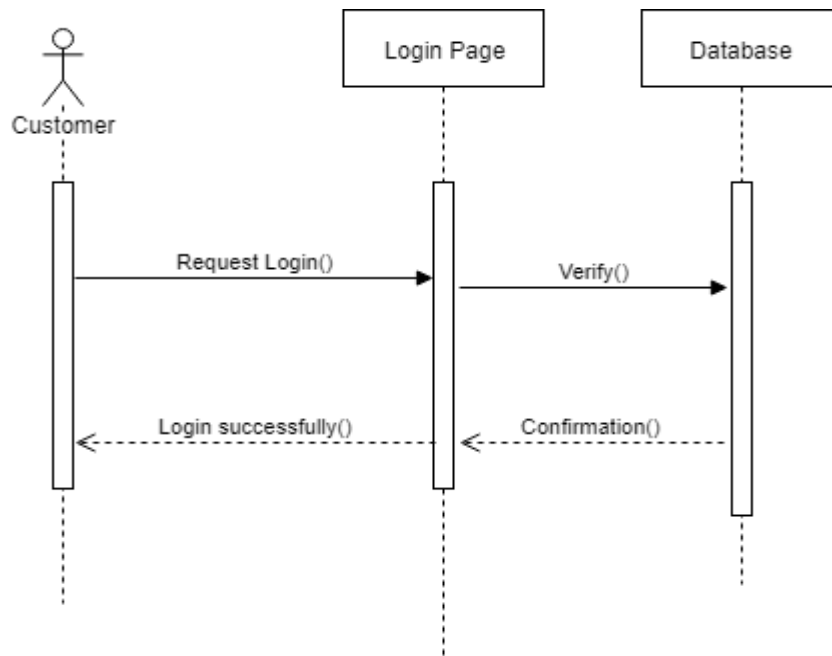


Figure 4.1.10: Login for Customer

4.1.11. Create Information for Customer

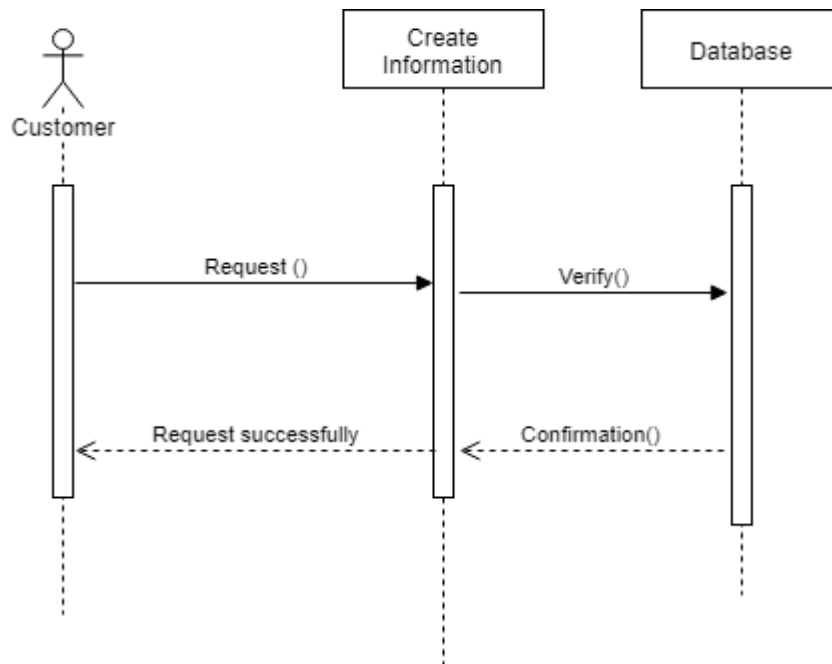


Figure 4.1.11: Create Information for Customer

4.1.12. Call for Customer

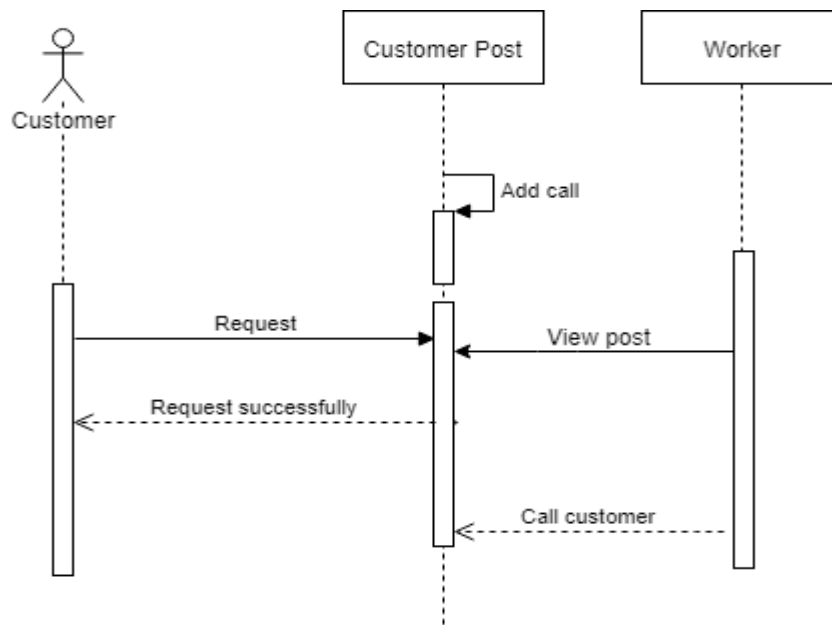


Figure 4.1.12: Call for Customer

4.1.13. Logout for Customer

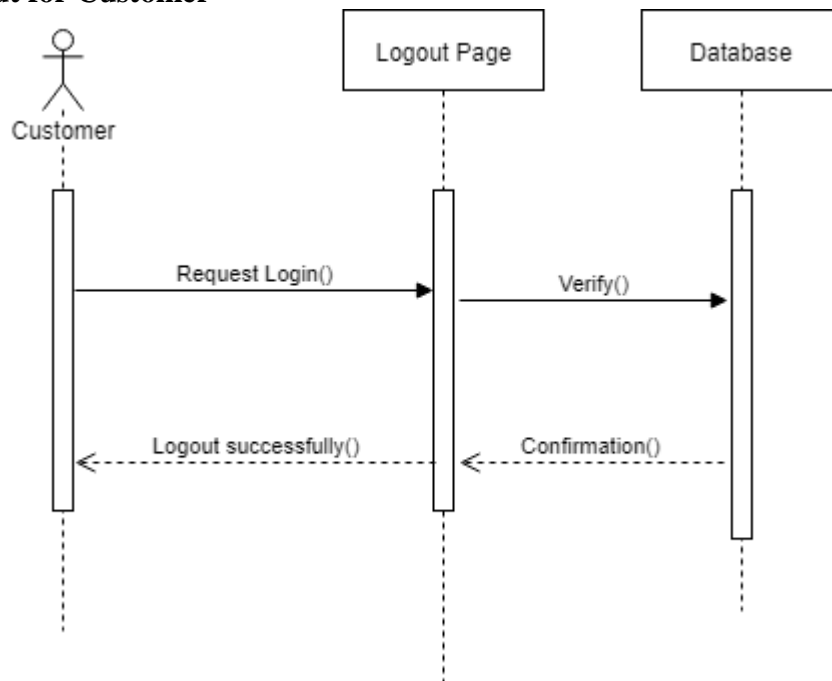


Figure 4.1.13: Logout for Customer

4.2. DFD Level 0: A data flow diagram illustrates how data is processed by a system in terms of inputs and outputs. As its name indicates its focus is on the flow of information, where data comes from, where it goes and how it gets stored.

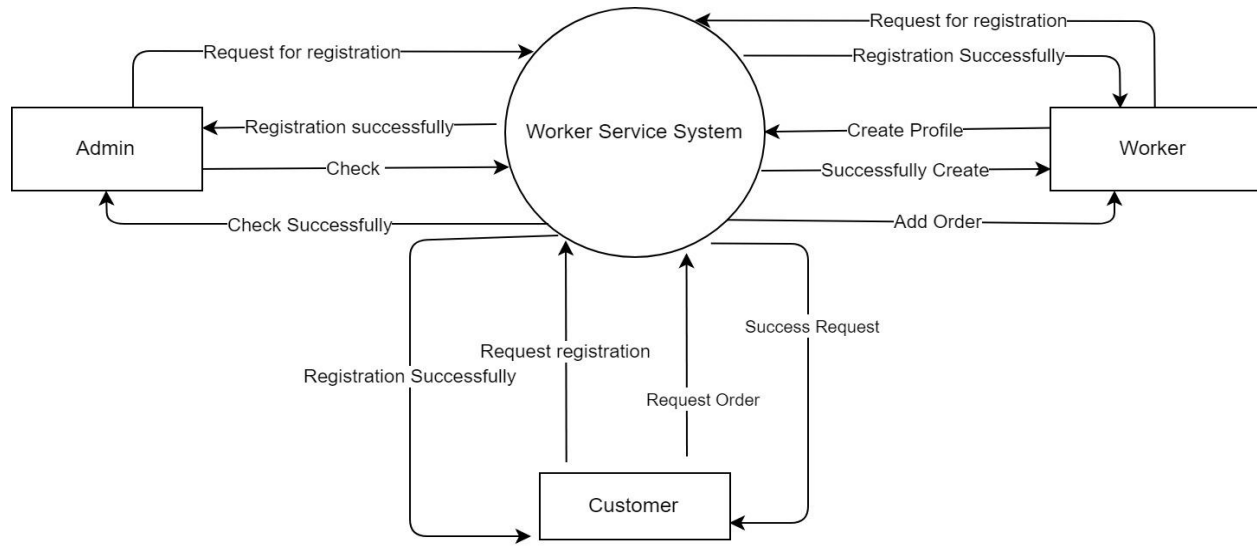


Figure 4.2: Data Flow Diagram

4.3. DFD Level 1: The Level 1 DFD shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole.

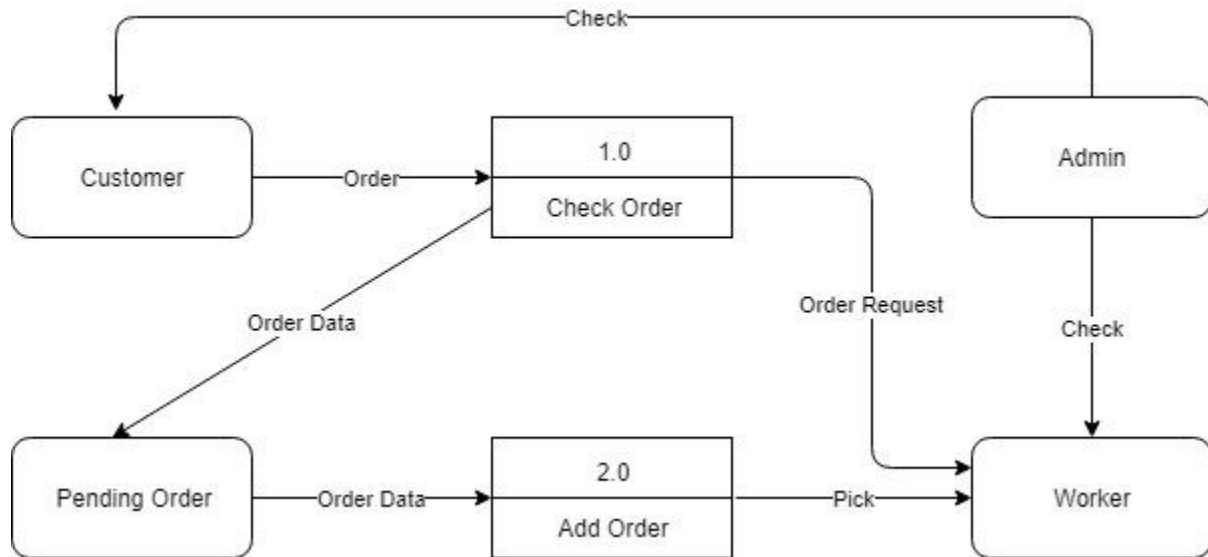


Figure 4.3: Data Flow Diagram

4.4. Entity Relationship Diagram. An entity relationship diagram, also known as an entity relationship model is a graphical representation of an information system that depicts the relationship among people, object, places, concepts or events within that system.

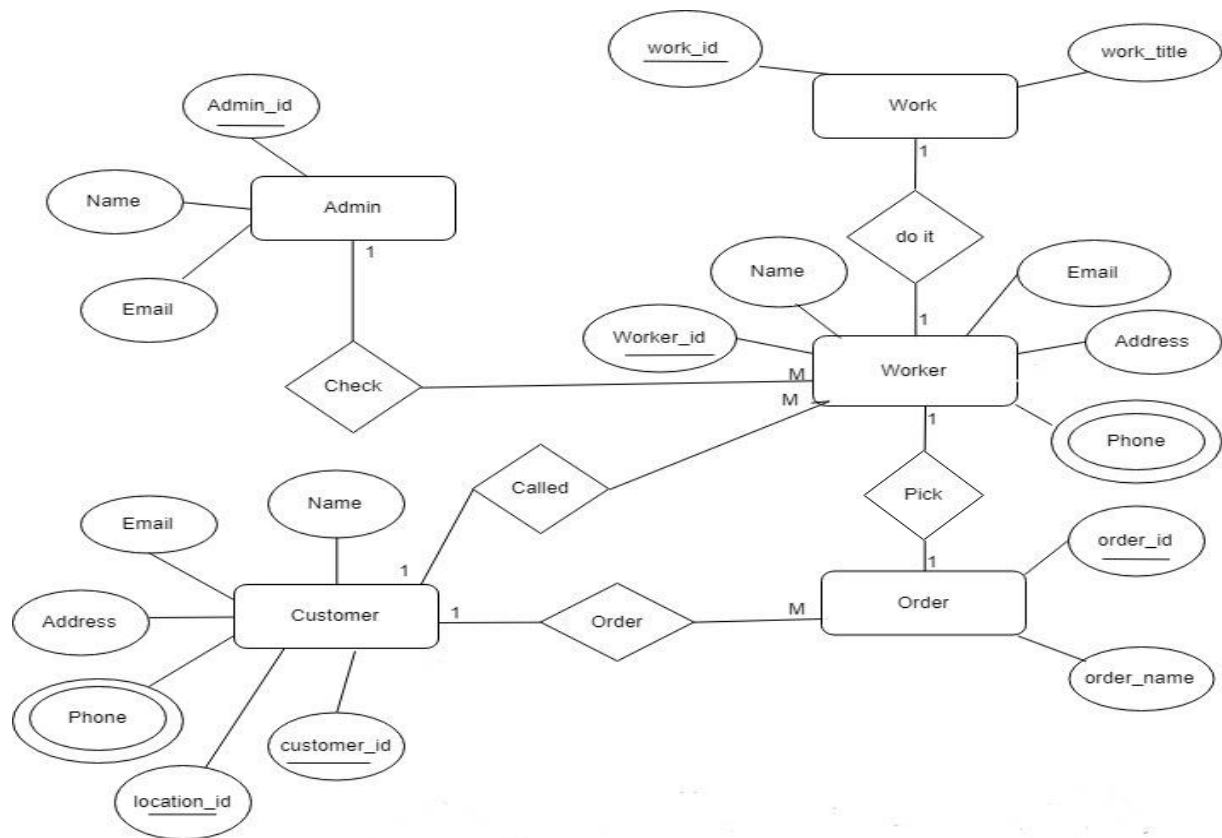


Figure 4.4: Entity Relationship Diagram

4.5. Schema Diagram: Schema diagram used for static object modeling, describing what attributes and behavior it had rather than detailing the methods for achieving operations.

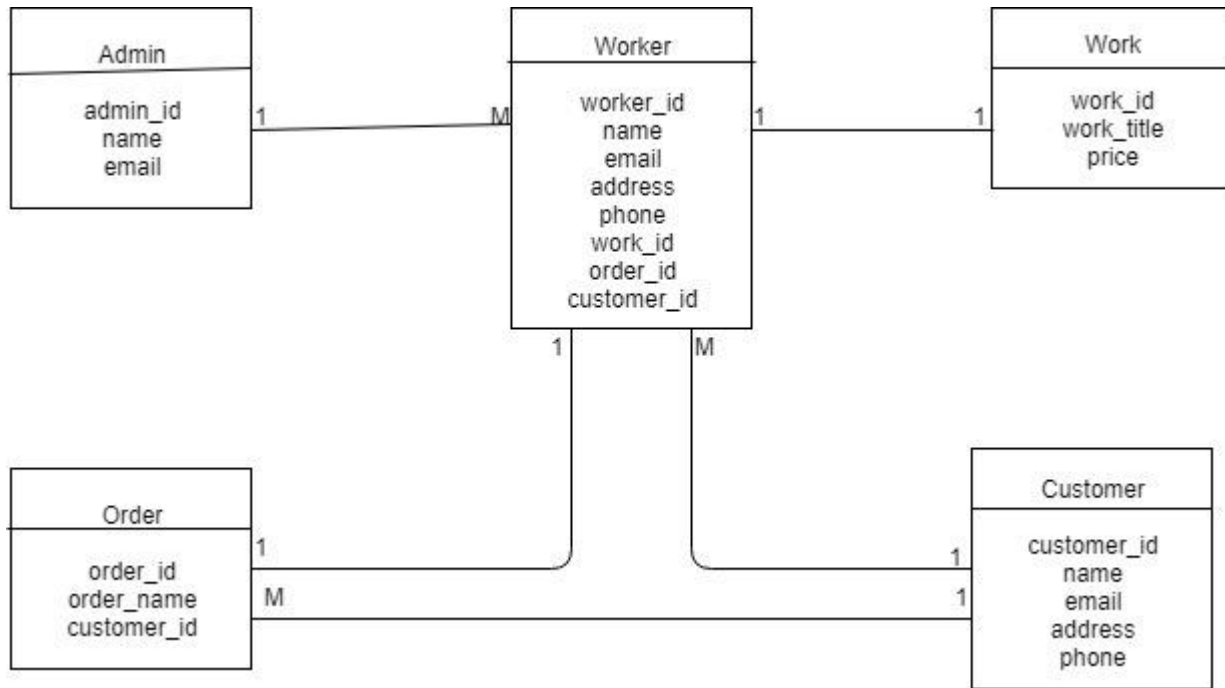


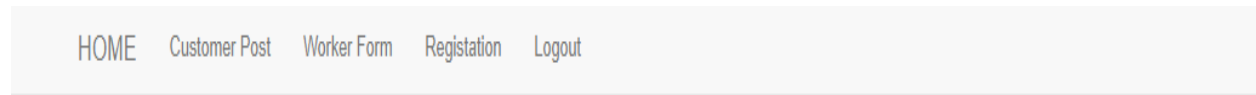
Figure 4.5: Schema Diagram

Chapter 5

User Interface

5.1. User Interface:

5.1.1. All Worker:



If any customer create her information click GOTO Button

GoTO.....



akash

skjoy1142@gmail.com

bogra

01873647383

swe



tarek

skjoy1234@gmail.com

bogra

01938245656

llb



saidul

akashshohel422@gmail.com

comilla

01938245656

aswe



korim

skjoy1142@gmail.com

dhaka

01873647383

llb

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Figure 5.1.1: All Worker Information

5.1.2. Worker Form:

- [HOME](#)

Worker

Name:

Email:

Address:

Phone:

Work:

Image:
 No file chosen

Figure 5.1.2: Worker Form

5.1.3. All Customer Post:

HOME Customer Post Worker Form Registration Logout

All customer information here

akash	akash	tarek
dhaka	dhaka	dhaka
01938245656	01938245656	01873647383
Django has a lot of documentation. A high-level overview of how it's organized will help you know where to look for certain things	ftfug	destroyed AC

Figure 11: All Customer Post

5.1.4. Customer Form:

- [HOME](#)

Customer

Name:

Address:

Phone:

Work:

Figure 5.1.4: Customer Form

5.1.5. Registration Form:

Please Registration here..

Username:

Password:

Confirm Password:

**If u registration complete please
login here...**

[Login..](#)

Figure 5.1.5: Registration Form

Chapter 6

System Testing

6.1. System Testing: The testing process is an equally integral part of development and planning. Sooner or later, many organizations that develop software have come to the realization that they need to organize a quality assurance service system.

6.1.1. Why Software Testing is Essential: Software Testing is important site in this project. Following the types:

- Software testing finding error.
- Customer's reliability and their satisfaction in the application.
- Its required to stay in the business.
- System testing is a very important to ensure quality of the product.
- Every project needed the System testing.

6.1.2. Black Box Testing: Black Box Testing is a method of software testing it is important site in the system testing. This method of test can be applied virtually to every level of software testing. So every project needed black box testing. Black Box testing is a either functional or non-functional.

6.1.3. White Box testing: White Box Testing is a method of software testing it is important site in the system testing. A software testing technique whereby exit knowledge of the internal workings of the item being tested are used to select the test data.

6.1.4. Test Case: A test case is a specification of the inputs, execution conditions, testing procedure, and expected results that define a single test to be executed to achieve a particular software testing objective, such as to exercise a particular program path or to verify compliance with a specific requirement.

Chapter 7

Implementation

7.1. Implementation: Implementation (software) perspective describes software implementations in a particular technology (Python Django). In the UP, Implementation means programming and building the system, not deploying it.

In the implementation phase, the developer builds the components either from scratch or by composition given the architecture document from the design phase and the requirement document from the analysis phase. The architecture document should give guidance. Sometimes deals with issues of quality, performance and debugging. The end deliverable of implementation phase is the product itself.

7.1.1. Tools: Following are the tools and technologies used in development of this project:

Python Django Framework

SQLite3

HTML5, CSS, JavaScript

7.1.2. Project Link: They provide github repository link after uploading the project there.

Chapter 8

Project Summary

8.1. Conculation: Worker service system decrees unemployment worker, it is needful for our country. It give good relationship customer with worker and increase interrelationship.

8.2. Good feature of the system:

- Worker easily work and customer get smart service.
- When customer need help for work the n customer called worker or customer create her information for work.

8.3. Obstacle and Achievement:

Obstacle:

- Learning new technology and environment.
- Limited time and budget.

Achievements:

- Learnt new technology.
- Successfully built a project for production level.

8.4. Future Work: Add Google map and worker rating system.

Reference:

[1]. All Diagram:

- <https://www.draw.io>

[2]. Help for Project:

- <https://docs.djangoproject.com/en/2.1/>

[3]. Software System Testing:

- <http://softwaretestingfundamentals.com/system-testing>