



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

## **CLIENT AND HOUSEHOLD WORKER MANAGEMENT SYSTEM**

A System Proposal presented to the  
Faculty of the College of Computer and Information Sciences,  
Polytechnic University of the Philippines, Sta. Mesa, Manila

In partial fulfillment for the degree  
Bachelor of Science in Information Technology

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**CAPSTONE**



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# CHAPTER 1 – INTRODUCTION

## 1.1. PROJECT CONTEXT

Mega Pacific Manpower Services, is a private employment agency that recruits and employ maids and other household worker like nanny, cook, and even driver that provide great services at home. It was established in Mandaluyong in year 2012. Its fast, reliable and convenient service rapidly escalated it to be one of the top manpower services company in the country. They offer services in the field of child and elderly care, home management, and any other domestic-related works.

Mega Pacific Manpower Services found the manpower services industry slumbering when it joined the market. It was hard to find maid and household workers. Employers can't seem to find a manpower agency. And when they find one, the service just doesn't address the concerns at home. Household workers were stealing. Household workers were incompetent. That is why they established this manpower services to provide a trusted, skilled, and professional household worker that can address the concerns at home through great services.

Finding the perfect match is the agency first job once a family contacts them, but all candidates have been screened already and qualifications held to diligent scrutiny. They put utmost value on the trust that their clients and candidates are giving to them and in return they strive to improve the way they work and the services they provide. One way they do is by paying close attention to the views of their clients as well as their applicants.

Mega pacific Manpower Services guarantee a highly-trained and qualified service provider that benefit their clients and add value to their lives and businesses.

## 1.2. TECHNICAL BACKGROUND

In the technical background the proponents will discuss the overview of the current technologies and equipment used by the employment agency.

### 1.2.1. Equipment/Hardware

- One computer
- Flash drive
- One printer
- 2 telephones

### 1.2.2. Software

- Microsoft word
- Microsoft excel

### 1.2.3. Peopleware/Manpower



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- One officer in charge (OIC)
- One staff for checking the requirements
- Two staff for assisting all the applicants

### 1.2.4. Network Infrastructure/Architecture

This is not applicable in our documentation because our client has no current network infrastructure/architecture.

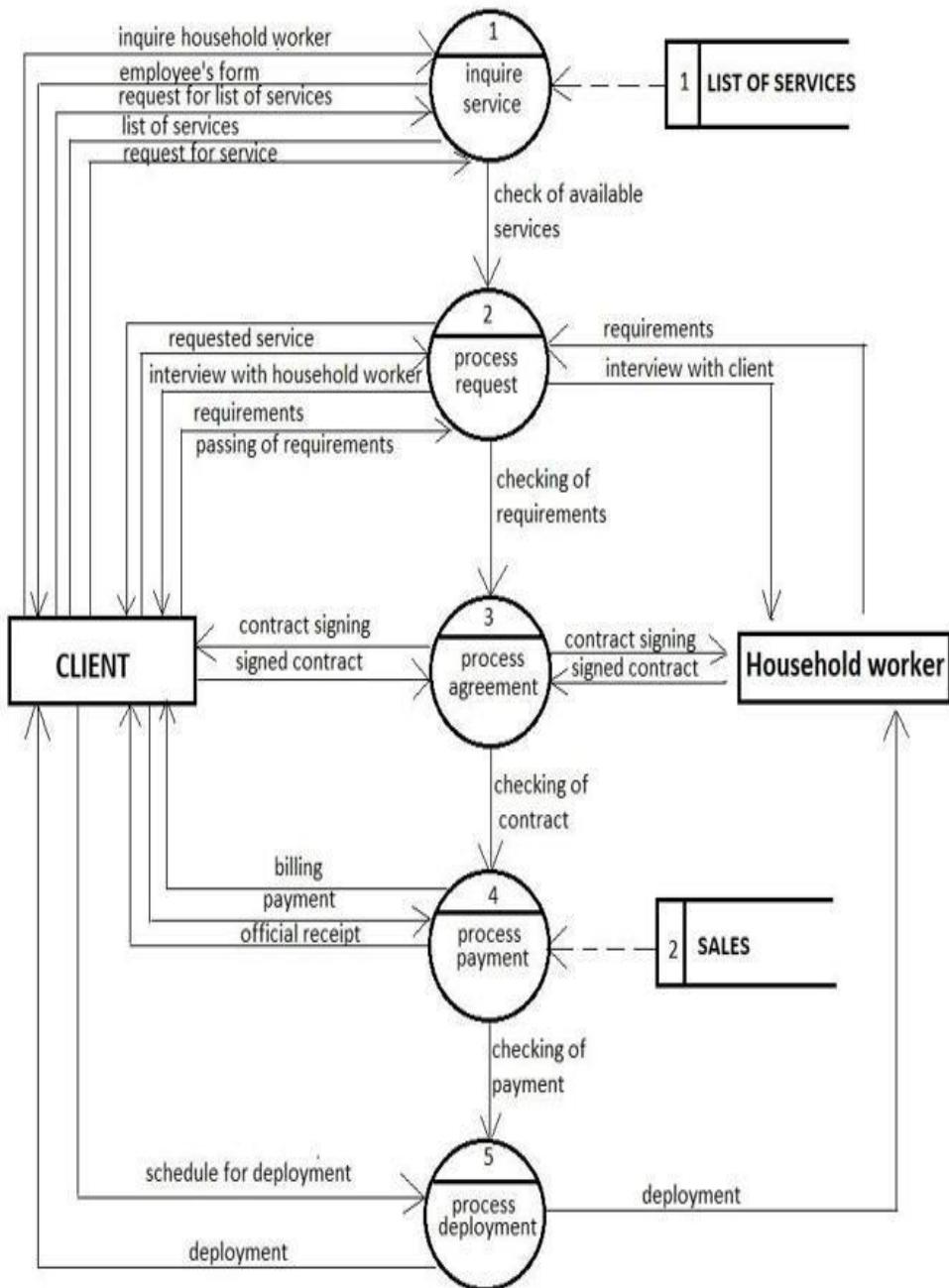
### 1.2.5. Storage, Backup and Recovery Procedure

As we conducted the interview, our client said that they are using cabinet as storages for the files of both clients and household workers. And a flash drive for the backup and recovery of important files.

### 1.2.6. Security Procedures

Our client is using a cabinet with a padlock for the security of the hard copy of files, and a flash drive that they always bring for the security of the soft copy of files.

### 1.2.7. Policies and Procedures

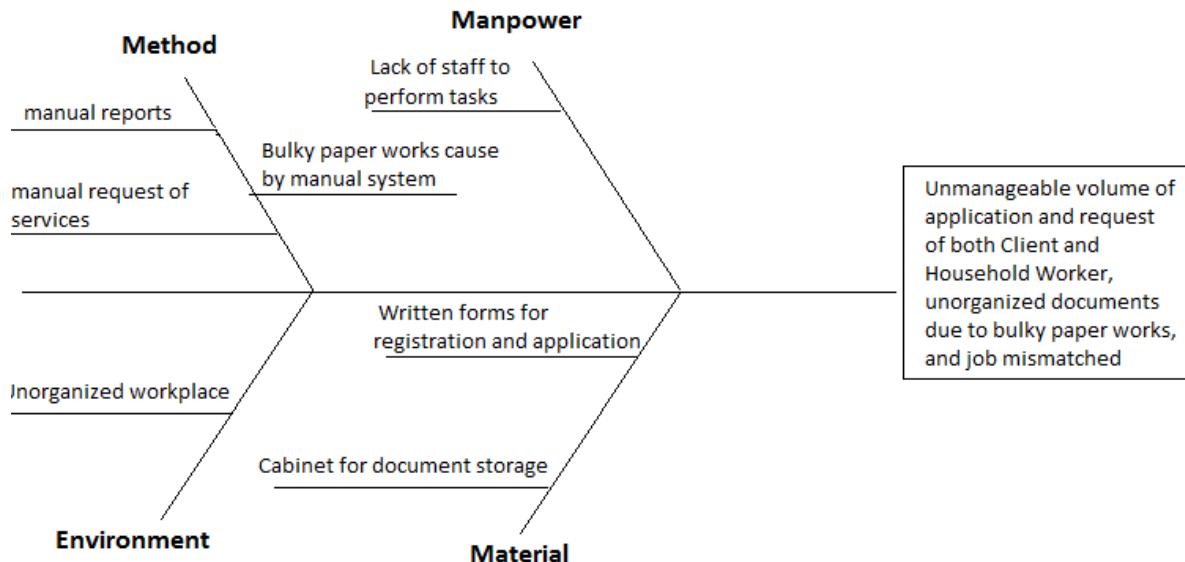




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### 1.3. PROBLEM ANALYSIS

#### 1.3.1. Fishbone Diagram



#### 1.3.2. Problem and Solution Statement

Fewer skills, high-demanding, and unorganized files are those factors that affects the difficulty in job matching. Difficulty in job matching is one of the biggest problem of an employment agency using manual system. They must search manually of what is needed or requiring by their client, which is very hassle and time-consuming. That is why we are proposing a system that will help the agency to do job matching in just a minute of time. A system that organize a record of household worker and clients, for faster and convenient way of job matching.



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### 1.3.3. Problem – Requirements Matrix

Requirements Problem	Online registration of client	Online application of household worker	Online request of client for services	Online request of household worker	Online reporting of incident	Automated system that will decrease the bulky paper works	System that will record transaction	System that will record contract agreement	Proper managing of deployment
Written forms for registration and application	✓	✓							
Manual reports					✓				
Manual request for services			✓	✓					
Lack of staff to perform task						✓			
Cabinet for document storage							✓		
Bulky paper works cause by manual system						✓			
Unorganized workplace								✓	✓

### 1.4. PURPOSE AND DESCRIPTION

Mega Pacific Employment Agency is an employment agency which matches employer to employee. However, this agency is still using manual system in terms of managing both household worker and client. The purpose of this documentation is to propose a solution to the problem of the said agency in terms of application of household worker and requesting of clients for services.

### 1.5. SPECIFIC OBJECTIVES

1. To enumerate the current problems of the organization using fishbone diagram.
2. To evaluate the existing system or processes of the organization by conducting interviews, observation, and process mapping.
3. To propose a system that will improve the current system and be the solution to the problems of the company.
4. To gather all the necessary needs in developing the project especially the sacrificed time, given scope, and the project cost.



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5. To design a system that will be generic enough for sharing to other organizations who has the same kind of system.

### 1.6. SCOPE AND LIMITATIONS

The project will provide a system that will benefit both clients and housemaids. The system covers the following:

- Application of household worker
- Client registration
- Household worker request
  1. Incident report
  2. Replacement of client
  3. Request for leave
- Deployment of household worker
- Client request
  1. Add household worker
  2. Replacement household worker
  3. Incident report
- Client billing
- Generating contract agreement

The project will not cover the delivery of household worker and the training of household worker with the agency.



## CHAPTER 2 – REVIEW OF RELATED LITERATURE/SYSTEMS

“As more and more women enter the workforce, their household duties and the need to take care of their children are left to domestic workers. In 2010, more than 1.9 million domestic workers in the Philippines were aged 15 years and older. The clear majority were female (85%), according to the Philippines’ 2010 Labour Force Survey. Most come from poor families in the provinces where they either attended school for a few years or did not have any formal education, making them more vulnerable to abuse and exploitation.” Asuncion (2014) Provinces in the Philippines are experiencing poverty, thus forcing them to go to major cities like Manila to find a job for their beliefs that “Manila is good for finding a job. It is the center of workforce in the Philippines therefore they can earn fast in Manila”. This is a major misconception for individuals from the provinces, especially those who are only elementary graduate, high school graduate or don’t have a formal education at all. This phenomenon forces them to work as a domestic worker in households because this is the only category that falls under their skills.

M.M. Afolabi (n,d) said that the use of underage housemaid as a domestic servants has become popular in most urban cities in Nigeria. The main reason why they go to work because of poor economic situation of their parents, and ignorance of parents about importance of education. The rate of demanding for housemaids is very alarming. Need of women in labor market is important but the use of underage is child abuse. The research indicates that the present increase of women participation in labour market should not be windswept with domestic work demand. But the social terms on which these problems are being addressed is highly problematic. The social and economic implications of this cannot be ignored.

The Labor Code of the Philippines Article 97 stated that wage paid to any employee shall mean the remuneration or earnings, however designated, capable of being expressed in terms of money, whether fixed or ascertained on a time, task, piece, or commission basis, or other method of calculating the same, which is payable by an employer to an employee under a written or unwritten contract of employment for work done or to be done, or for services rendered or to be rendered and includes the fair and reasonable value, as determined by the Secretary of Labor and Employment, of board, lodging, or other facilities customarily furnished by the employer to the employee. An employer has a right to select his employees and to decide when to engage them. He has a right under the law to full freedom in employing any person free to accept employment from him, and this except as restricted by valid statute or valid contract, at a wage and condition agreeable to them.

SEC. 11, Article III of R.A No. 10361 of 2013 stated that an employment contract shall be executed by and between the domestic worker and the employer before the commencement of the service in a language or dialect understood by both the domestic worker and the employer. The domestic worker shall be provided a copy of the duly signed employment contract which must include the Duties and responsibilities of the domestic worker, Period of employment, Compensation, Authorized deductions, Hours of work and proportionate additional payment, Rest days and allowable leaves, Board, lodging and medical attention, Agreements on



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deployment expenses, if any, Loan agreement, Termination of employment and Any other lawful condition agreed upon by both parties.

Sec. 24, Article IV of RA 10361 of 2013 stated that the minimum wage of the domestic workers varies on the class of municipalities they are working to. In the National Capital Region (NCR), two thousand five hundred pesos (P2, 500.00) a month is the minimum wage; chartered cities and first-class municipalities, two thousand pesos (P2, 000.00) a month is the minimum wage; and one thousand five hundred pesos (P1, 500.00) a month is the minimum wage for other municipalities. The Regional Tripartite and Productivity Wage Boards (RTWPWSs) must review and determine and adjust the minimum wage rates of domestic workers and as of now (2018), the latest minimum wage for domestic workers in NCR is three thousand and five hundred pesos (P3, 500.00).

The Department of Labor and Employment (DOLE) shall develop a model employment contract for domestic workers which shall, always be made available free of charge to domestic workers, employers, representative organizations and the general public. The DOLE shall widely disseminate information to domestic workers and employers on the use of such model employment contract. shall widely disseminate information to domestic workers and employers on the use of such model employment contract. In cases where the employment of the domestic worker is facilitated through a private employment agency, the PEA shall keep a copy of all employment contracts of domestic workers and shall be made available for verification and inspection by the DOLE.



## CHAPTER 3 – METHODOLOGY

### 3.1. REQUIREMENTS ANALYSIS

#### 3.1.1. Requirements – Features Matrix

Requirements Features	A system that will record transaction	Online registration of client	Online application of household worker	A system that will record the agreement contract	An automated system, that would decrease the bulky paper works
Online application			✓		
Online registration		✓			
Client Module		✓			
Record transaction	✓				
Record agreement				✓	
Admin module					✓



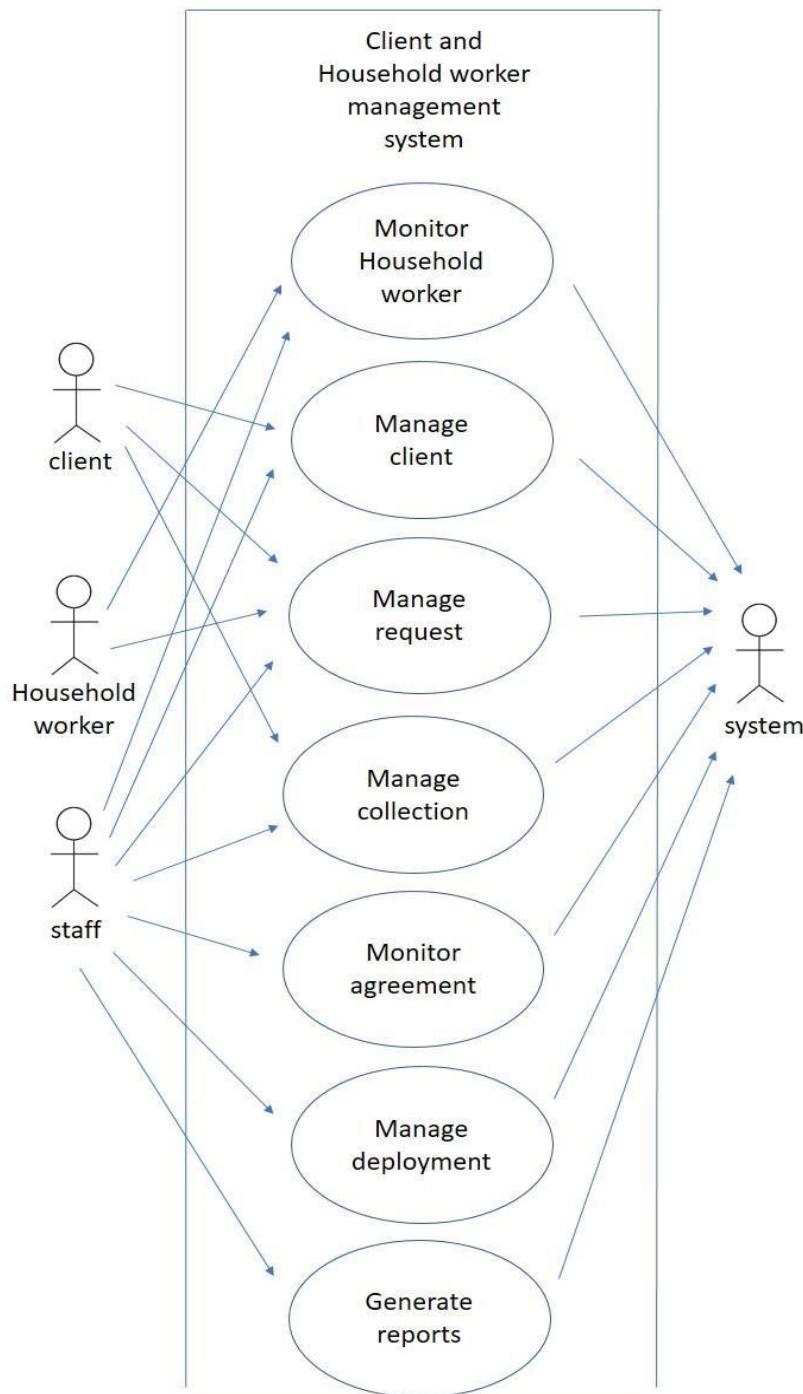
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Requirements Features	Proper managing of deployment	Online reporting of incident	Online request of client for services	Online request of household worker	
Scheduling of deployment	✓				
Household Worker module		✓		✓	
Client Module		✓	✓		



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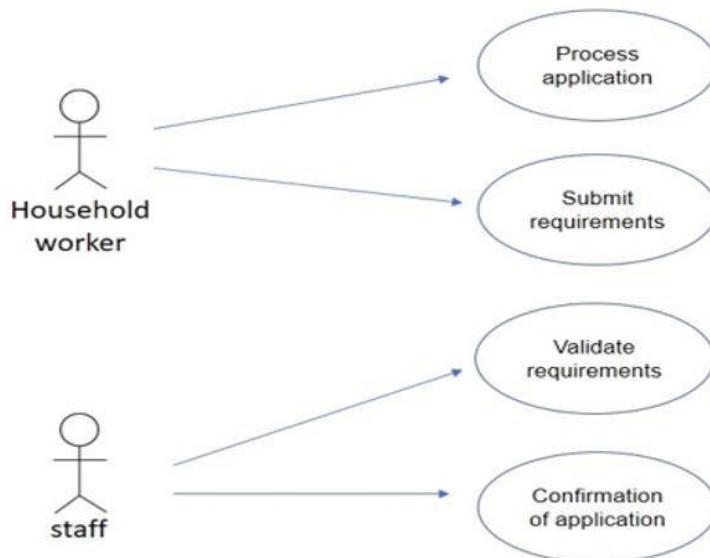
### 3.1.2. Use Case Diagram



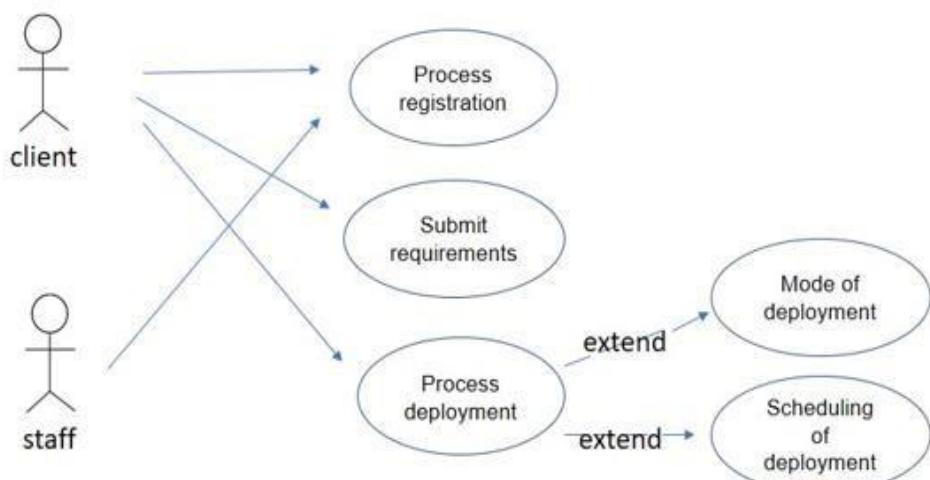


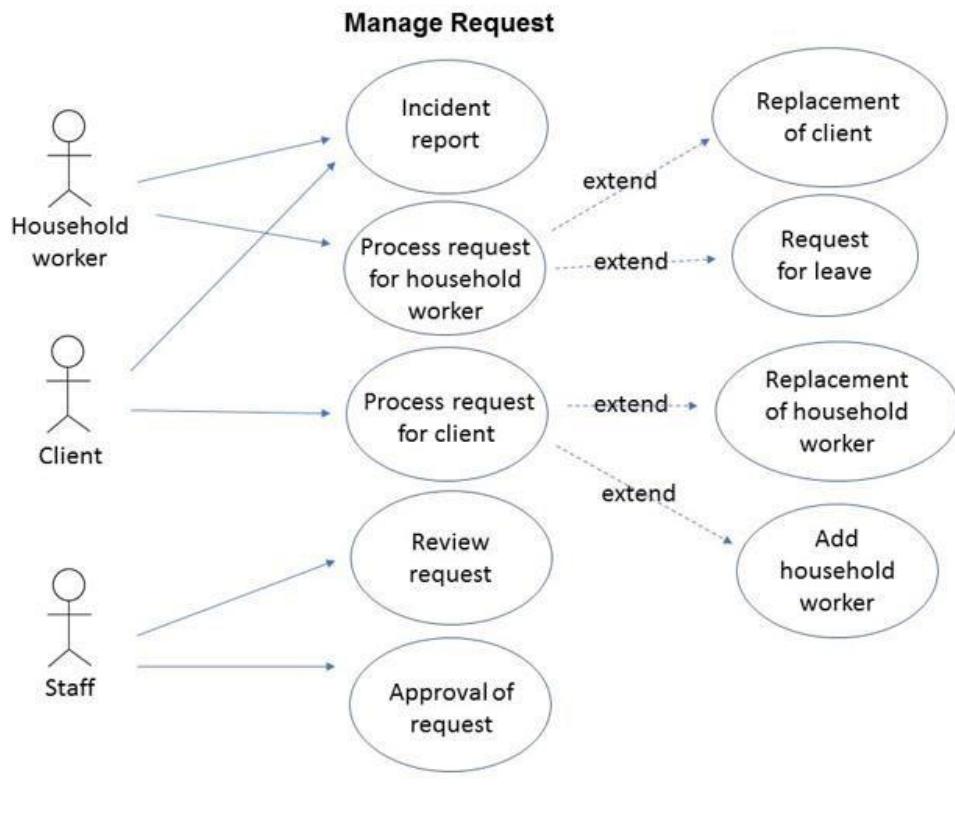
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### Monitor household worker

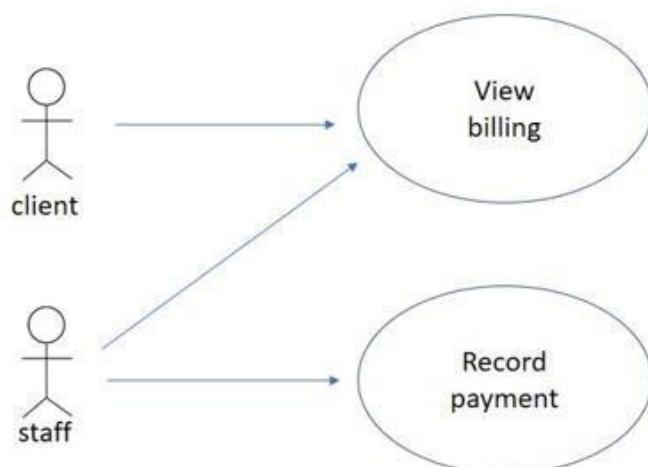


### Manage client

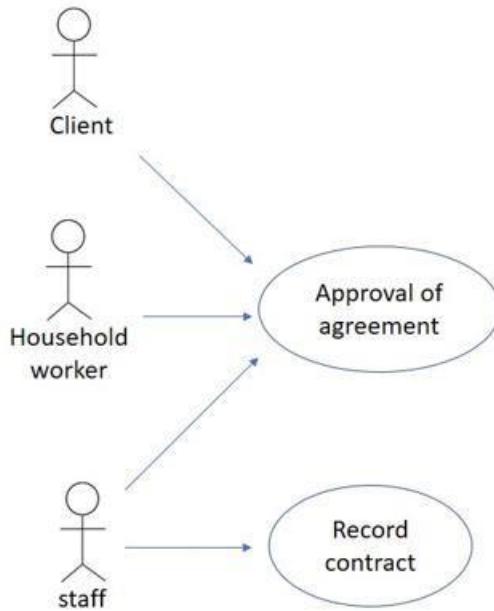




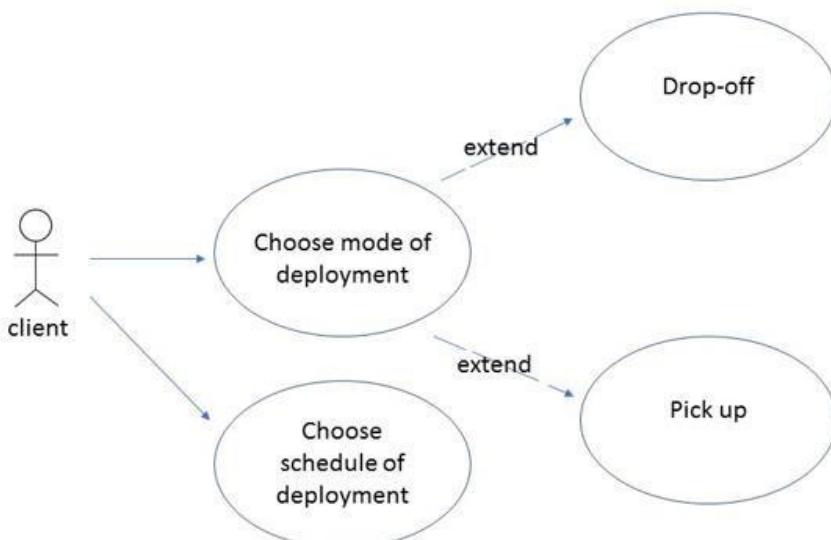
### Manage Collection



### Monitor agreement



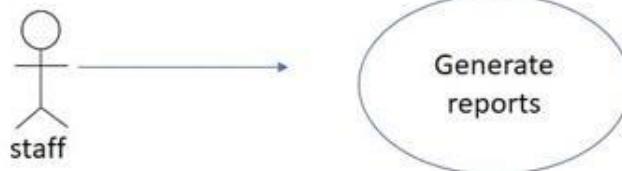
### Manage deployment





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### Generate reports



#### 3.1.3. Use Case Report

<b>Use Case Name</b>	<b>Monitor Household Worker</b>
<b>Actors</b>	Household Worker, Staff
<b>Purpose</b>	This use case describes how the staff uses the system to manage the household worker.
<b>Brief Description</b>	Household worker registers to the system and wait for the approval of the staff so that the household worker will be added to the list of available household worker to be deployed.
<b>Pre-condition/s</b>	Household worker requirements must be submitted and must check by the staff to proceed to interview. Household worker must pass the interview for the staff to approve the registration. Household worker records will be created.
<b>Post-condition/s</b>	Household worker's records will be updated (status). Household worker is registered. Household worker can log-in to the application. Household worker can avail requests up to process deployment.

<b>Basic Flow</b>	
<b>Actor Action</b>	<b>System Response</b>
1. Household worker wants the agency to find a client that will hire them.	2. Prompts registration form.
3. The Household worker will fill up the registration form	



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4.The staff will schedule the interview of the Household Worker	
5.The household worker passed the interview	
6.The Household worker submit the requirements	
7.The staff validate the requirements	
8. all the requirements are updated	
9. Staff check if the requirements is complete	
10. the requirements are complete	
11. The staff will approved the registration	12. Add/Update record.
13. 10.The staff will send the password of the Household worker to access the account	
14.The Household Worker can now access the account	15.System will allow the access

### Alternate flow

Item#7 The requirements of the Household worker are not updated	Item#6 The Household worker will resend the updated requirements
Item#9 The requirements of the Household Worker are not yet completed	Item#6 The Household Worker will complete its requirements

<b>Use Case Name</b>	<b>Manage Client</b>
<b>Actors</b>	Client, Staff
<b>Purpose</b>	This use case describes how the staff uses the system to manage the client
<b>Brief Description</b>	Client registers to the system and wait for the approval of the staff so that the client can avail requests.
<b>Pre-condition/s</b>	Client's requirements must be submitted and must check by the staff for approval. Client's records will be created.
<b>Post-condition/s</b>	Client's records will be updated (status). Client is registered. Client can log-in to the application. Client can avail requests up to process deployment.



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Basic Flow	
Actor Action	System Response
1. Client wants to avail a service from the agency.	2. Prompts registration form.
3. Client will submit the requirements needed.	
4. The staff will validate the requirements.	
5.all the requirements are updated	
6. Staff check if the requirements is complete	
7. the requirements are complete	
8. The staff will approved the registration	9. Add/Update record.
10.The staff will send the password of the client to access the account	
11.The client can now access the account	12.System will allow the access

Alternate flow	
Item#5 The requirements of the client are not updated	Item#3 The client will resend the updated requirements
Item#7 The requirements of the client are not yet completed	Item#3 The client will complete its requirements

<b>Use Case Name</b>	<b>Manage Request (client)</b>
<b>Actors</b>	Household Worker, Client, Staff
<b>Purpose</b>	This use case describes how the client and household worker uses the system to manage request.
<b>Brief Description</b>	Client and Household worker requests are confirmed by the staff.
<b>Pre-condition/s</b>	Client wants replacement of household worker. Client wants to add household worker. Client wants to report household worker.
<b>Post-condition/s</b>	Client request are granted.



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Basic Flow	
Actor Action	System Response
1. Report household worker.	2. Will show type of incident report and ask for reason of request.
3. Client will choose Household worker he/she wants to report	
4. Client will set the type of report and the reason of reporting.	
5. Client will send the request to the staff	6. Record the report
7. The staff validate the report	
8. Staff approved the report	9. Update the record
10. Client wants to request for replacement of household worker.	
11. Client will choose household worker that he wants to replace.	
12. Client will set the attributes of the reliever	
13. Client will send the request for replacement to the staff	14. record the request
15. Staff will view the result of the replacement request of the client	
16. Staff will send the request of the client to the Household worker	
17. Household worker approved the request	
18. Staff will send the household worker information for approval of the client	
19. client approved the household worker	
20.Client will proceed to the next process	21. Update the record
22. Client wants to add another household worker	
23. client will create a list	
24.client add service to the list created	
25. client will set the attributes and the number of services he/she wants	
26. client did not want another service	
27. Client will send the request to the staff	28. record the request
29. Staff will view the result of the request of the client	



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30. Staff will send the request of the client to the Household worker	
31. Household worker approved the request	
32. Staff will send the household worker information for approval of the client	
33. Client approved the household worker	
34. Client will proceed to the next process	35. Update the record

### Alternate flow

Item#17 Household worker reject the request	Item#17 the system will notify the staff
Item#17 Staff will choose another household worker	
Item#19 Client reject the household worker	Item#19 the system will notify the staff
Item#19 Staff will send another household worker to the client	
Item#26 Client add another service	Item#26 Client set the attributes and number of service he/she wants
Item#31 Household worker reject the request	Item#31 the system will notify the staff
Item#31 Staff will choose another household worker	
Item#33 Client reject the household worker	Item#33 the system will notify the staff

<b>Use Case Name</b>	<b>Manage Request (Household worker)</b>
<b>Actors</b>	Household Worker, Client, Staff
<b>Purpose</b>	This use case describes how the client and household worker uses the system to manage request.
<b>Brief Description</b>	Client and Household worker requests are confirmed by the staff.
<b>Pre-condition/s</b>	Household worker wants to report client. Client wants replacement of household worker. Client wants to add household worker. Client wants to report household worker.
<b>Post-condition/s</b>	Household worker request are granted. Client request are granted.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Basic Flow	
Actor Action	System Response
1. Report client worker.	2. Will show type of incident report and ask for reason of request.
3. Will choose type of incident report and specify reason of report.	
4. household worker send the request	5. Record report.
6. Staff will validate report and take action.	
7. Staff approved the request	8. Update the record
9. Household worker request for leave	
10. Household worker choose the type of leave	
11. Household worker set the details of the leave	
12. Household worker send the request	13. Record the request
14. Staff forward the request to the client	15. notify client
16. client accept the request	
17. client want a reliever	18. display the result of the household worker nearly match to the attributes.
19. Staff will view the result of the request of the client	
20. Staff will send the request of the client to the Household worker	
21. Household worker approved the request	
22. Staff will send the household worker information for approval of the client	
23. client approved the household worker	
24.Client will proceed to the next process	25. Update the record
26. Household worker wants to replace client	
27. Household worker specify the reason of request.	
28. Household worker send the request	29. record the request
30. Staff forward the request to the client	31. notify client
32. client accept the request	
33. client want a reliever	34. display the result of the household worker nearly match to the attributes.
35. Staff will view the result of the request of the client	



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36. Staff will send the request of the client to the Household worker	
37. Household worker approved the request	
38. Staff will send the household worker information for approval of the client	
39. Client approved the household worker	
40. Client will proceed to the next process	41. Update the record

### Alternate flow

Item #17 Client did not want a reliever	Item#17 Staff approved the request
Item #33 Client did not want a reliever	Item#33 Staff approved the request

Use Case Name	Manage Collection
Actors	Client, Staff, System
Purpose	This use case describes how system generate invoice to give client idea about the summary cost of request, and how the staff use the system to record payment transaction.
Brief Description	Client agrees to summary payment.
Pre-condition/s	Client wants to see the total bills for service requested. Staff wants to have record for every payment transaction.
Post-condition/s	Invoice generated. Transactions are recorded.

Basic Flow	
Actor Action	System Response
1. Client will proceed to billing process.	2. System will generate summary of billing or invoice.
3. Client View the summary of billing.	
4. Client agrees to summary of billing send request.	5. Request will be forwarded to staff.
6. Client pays for service requested.	
7. Staff receives payment and enter the OR number to record the payment.	8. Add/Update record.



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### Alternate flow

Item#4 Client doesn't agree to summary of payment, then request will not be process.	
Item#6 Client didn't pay for requested service, then request will not be granted.	

Use Case Name	Monitor Agreement
Actors	Household Worker, Client, Staff, System
Purpose	This use case describes how the client and household worker uses the system to manage agreement.
Brief Description	Client, Household worker, and staff agrees to terms and condition. Staff recorded contract.
Pre-condition/s	Household worker wants to apply in agency. Client wants to request for service.
Post-condition/s	Client and household worker agree to terms and condition. Contract recorded.

### Basic Flow

Actor Action	System Response
2. Client Agree to the contract	1. the system will generate the contract
3. Client input the salary of the Household worker.	4. the system will send the contract to the Household Worker
5. The Household Worker agree to the contract.	6. the system will notify the client that the household worker agree to the contract
7. the client will send the contract to the staff.	

### Alternate flow

Item#2 client reject the contract	
Item#2 client will specify the reason of rejecting the contract and send it to the staff	Item#2 the staff will revise the contract according to the reason of the client
Item#2 the staff did not revise the contract	Item#2 the staff specify the reason of rejecting the request
Item#2 the system will notify the client	



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Item#5 The household worker reject the contract	Item#5 Household Worker will specify the reason of rejecting the contract.
Item#5 the system will notify the client that the Household Worker reject the contract	Item#5 the client will revise the contract according to the reason of the Household worker
Item#5 the client did not revise the contract according to the reason of the Household worker	
Item#5 the client will replaced the Household Worker	Item#5 the client will proceed to the manage Request
Item#5 the client will not want to replace the Household Worker.	

Use Case Name	Manage Deployment
Actors	Client
Purpose	This use case describes how the client uses the system to manage the deployment of requested household worker.
Brief Description	Client choose mode of deployment, client choose date of deployment.
Pre-condition/s	Client will choose mode and date of deployment.
Post-condition/s	Mode and date of deployment already chosen.

Basic Flow	
Actor Action	System Response
Actor Action	System Response
1. Client will choose mode of deployment.	
2. The Client will choose either Drop or Pick-up	3. the system will show the available days of deployment
4.The client will choose the available schedule	5.Proceed to the Process Payment

Alternate flow	



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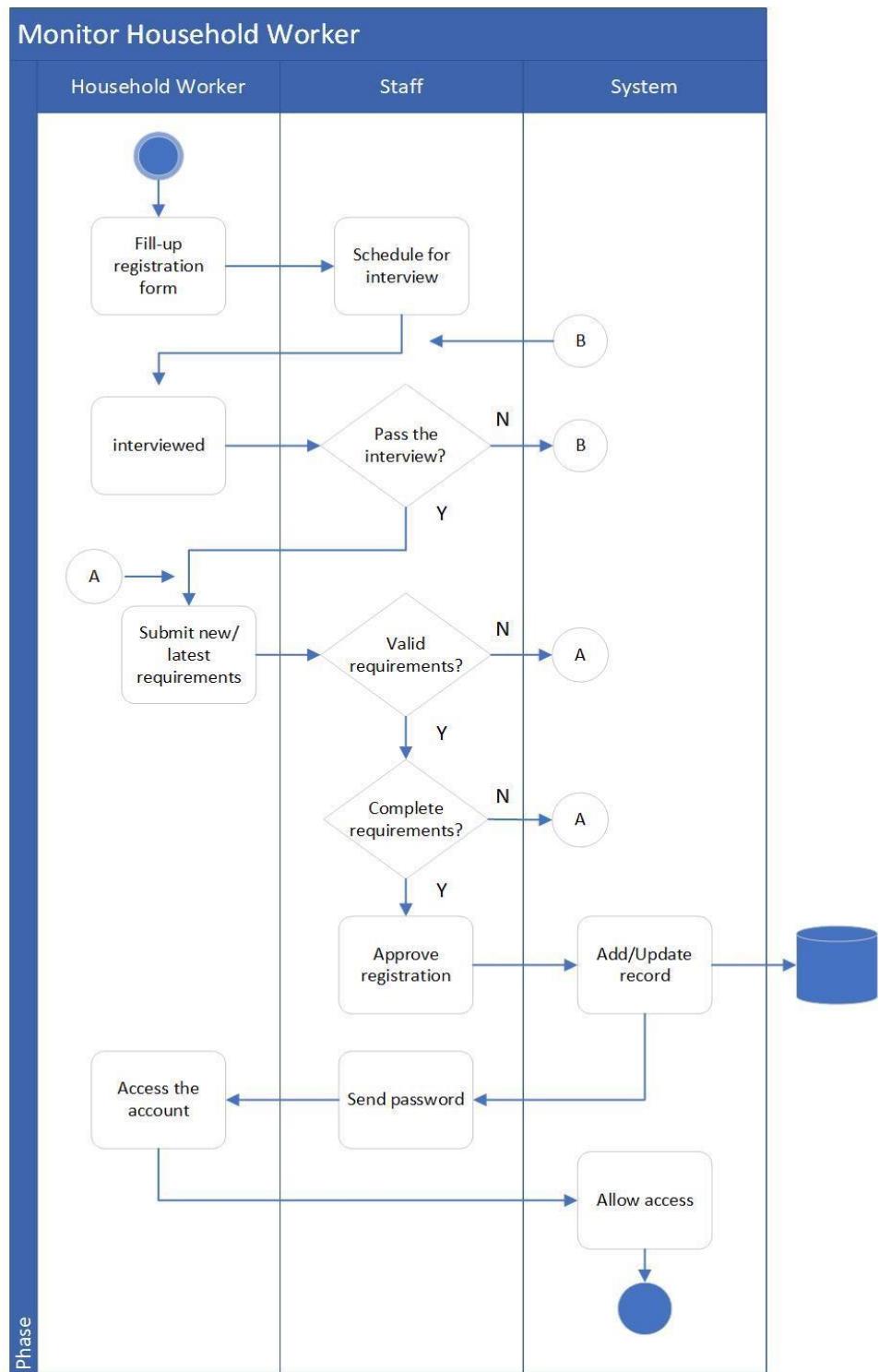
<b>Use Case Name</b>	<b>Generate reports</b>
<b>Actors</b>	Staff, System
<b>Purpose</b>	This use case describes how the system generate reports, and how the staff record reports.
<b>Brief Description</b>	Recording of reports.
<b>Pre-condition/s</b>	Staff wants to have reports of their services.
<b>Post-condition/s</b>	All reports were made.

<b>Basic Flow</b>	
<b>Actor Action</b>	<b>System Response</b>
	1. Generate reports.
2. Staff will record all reports.	3. Save to database.
<b>Alternate flow</b>	



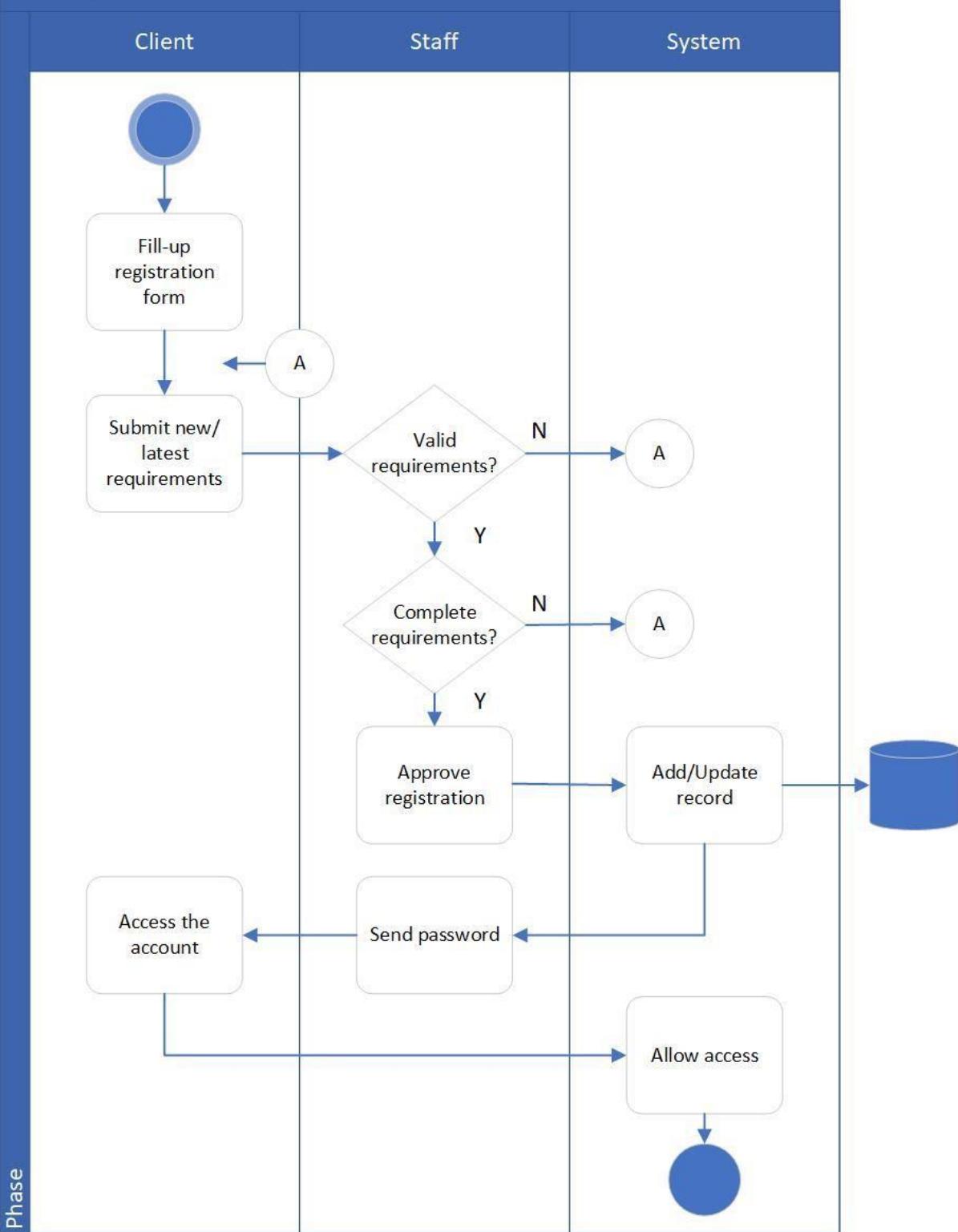
### 3.2. DESIGN SPECIFICATIONS

#### 3.2.1. Activity Diagram



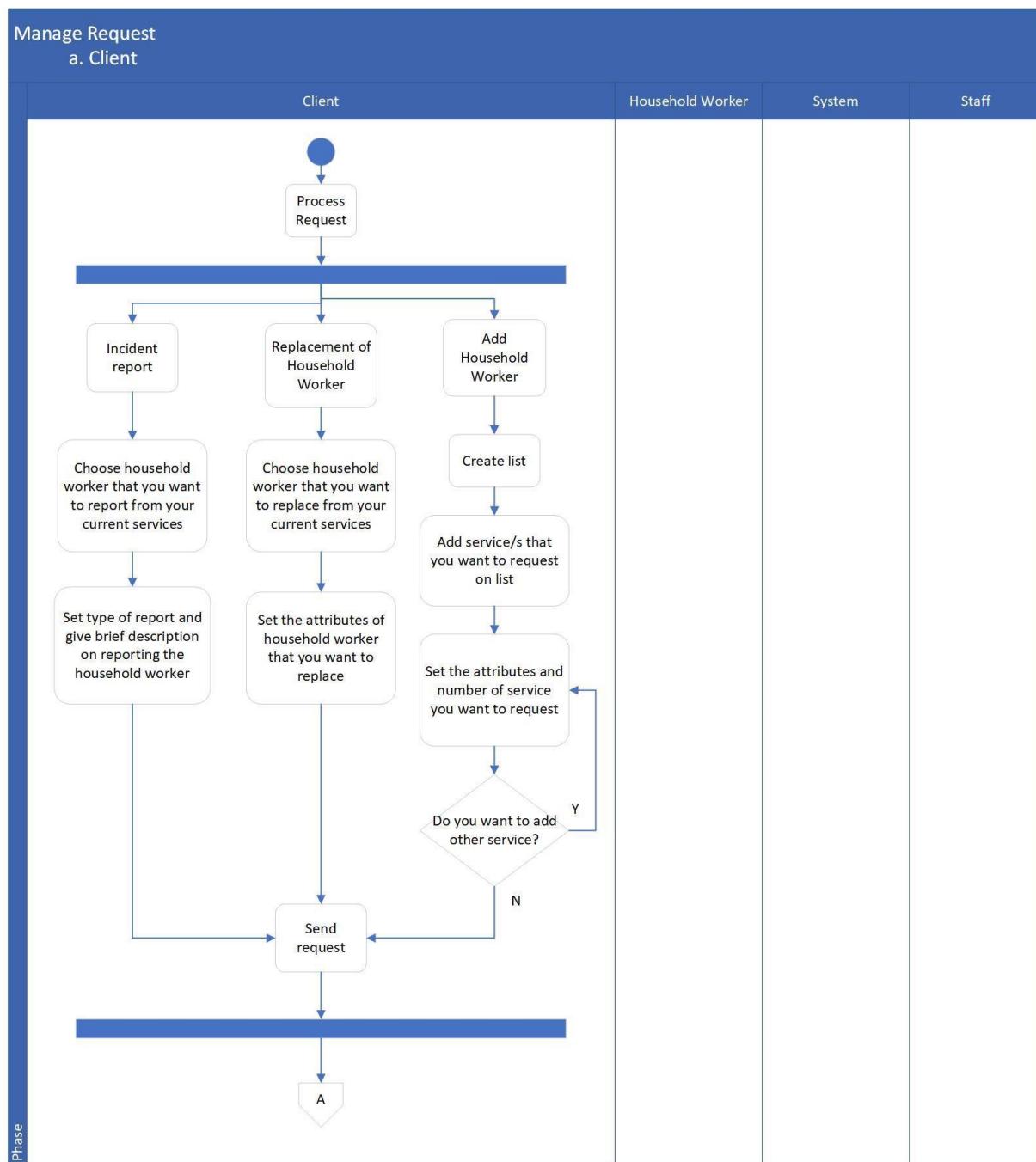


## Manage Client



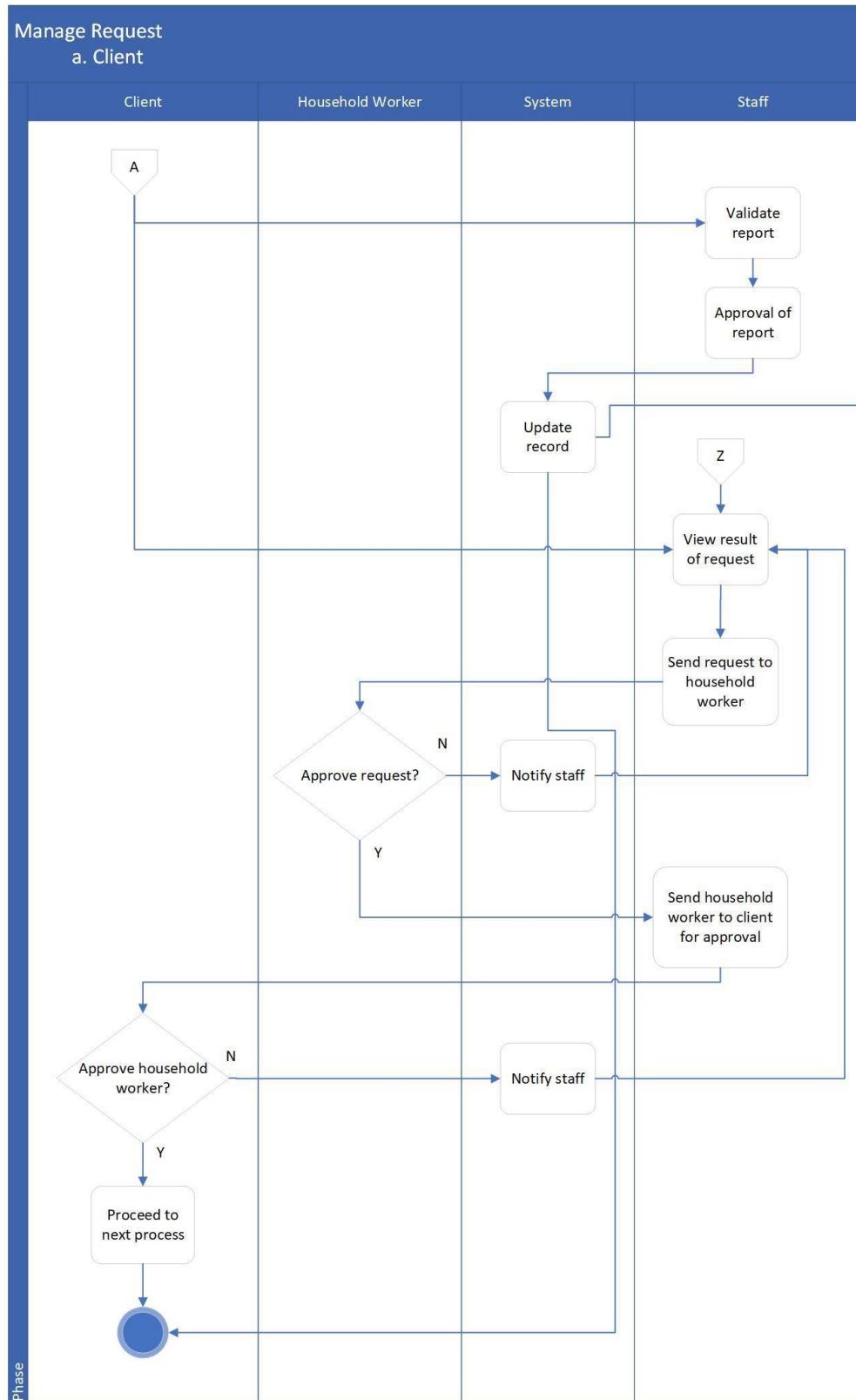


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES



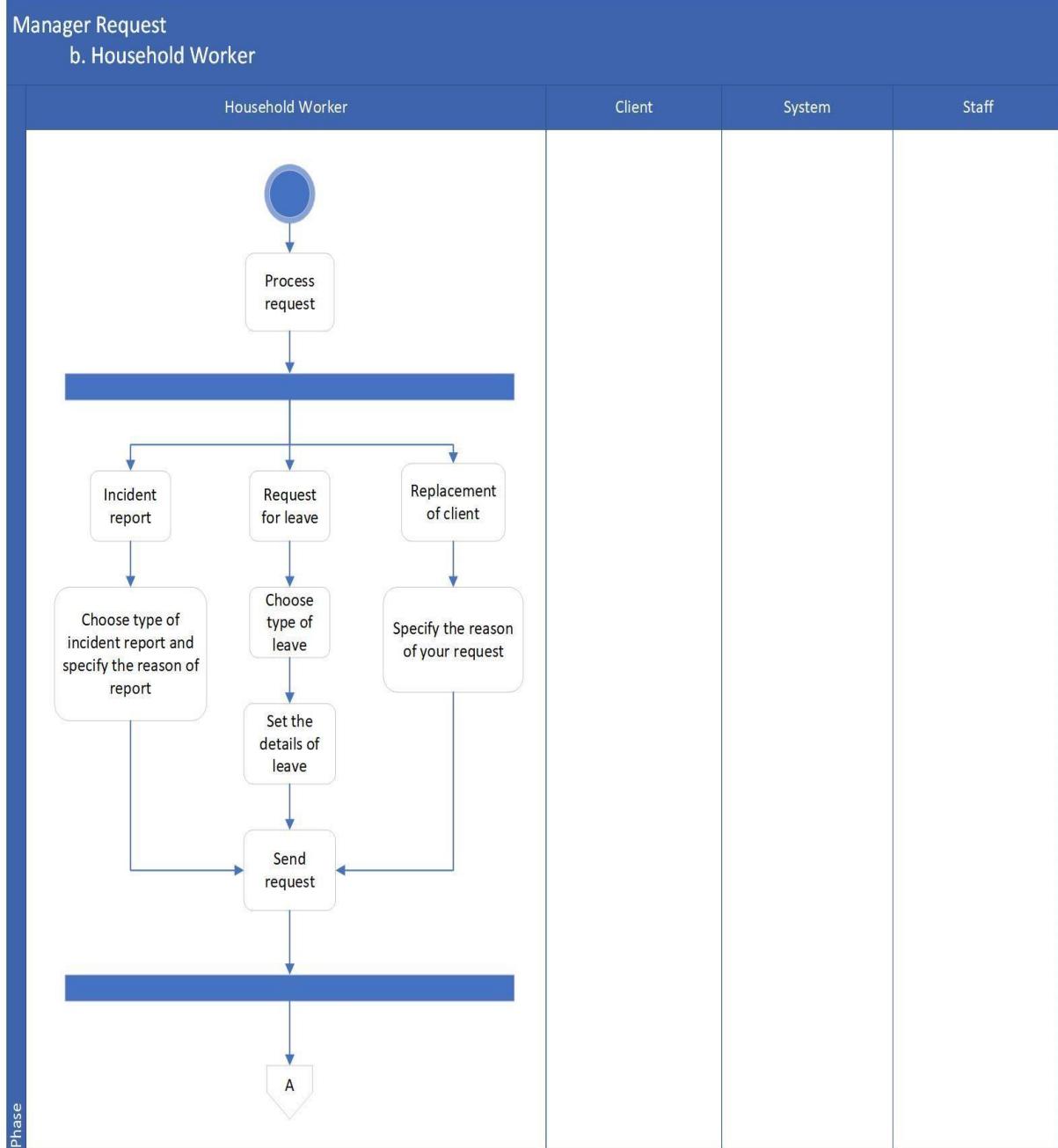


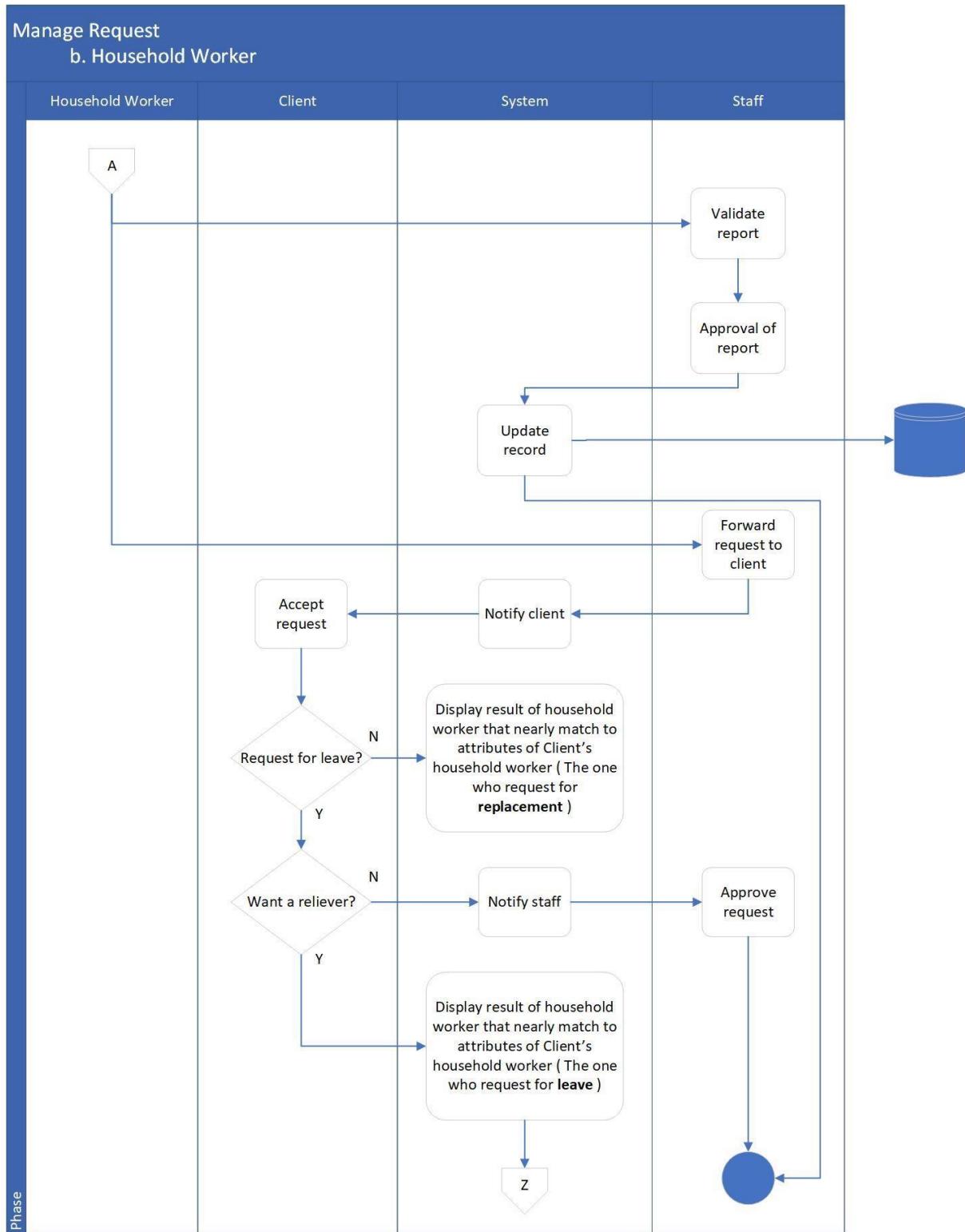
## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES





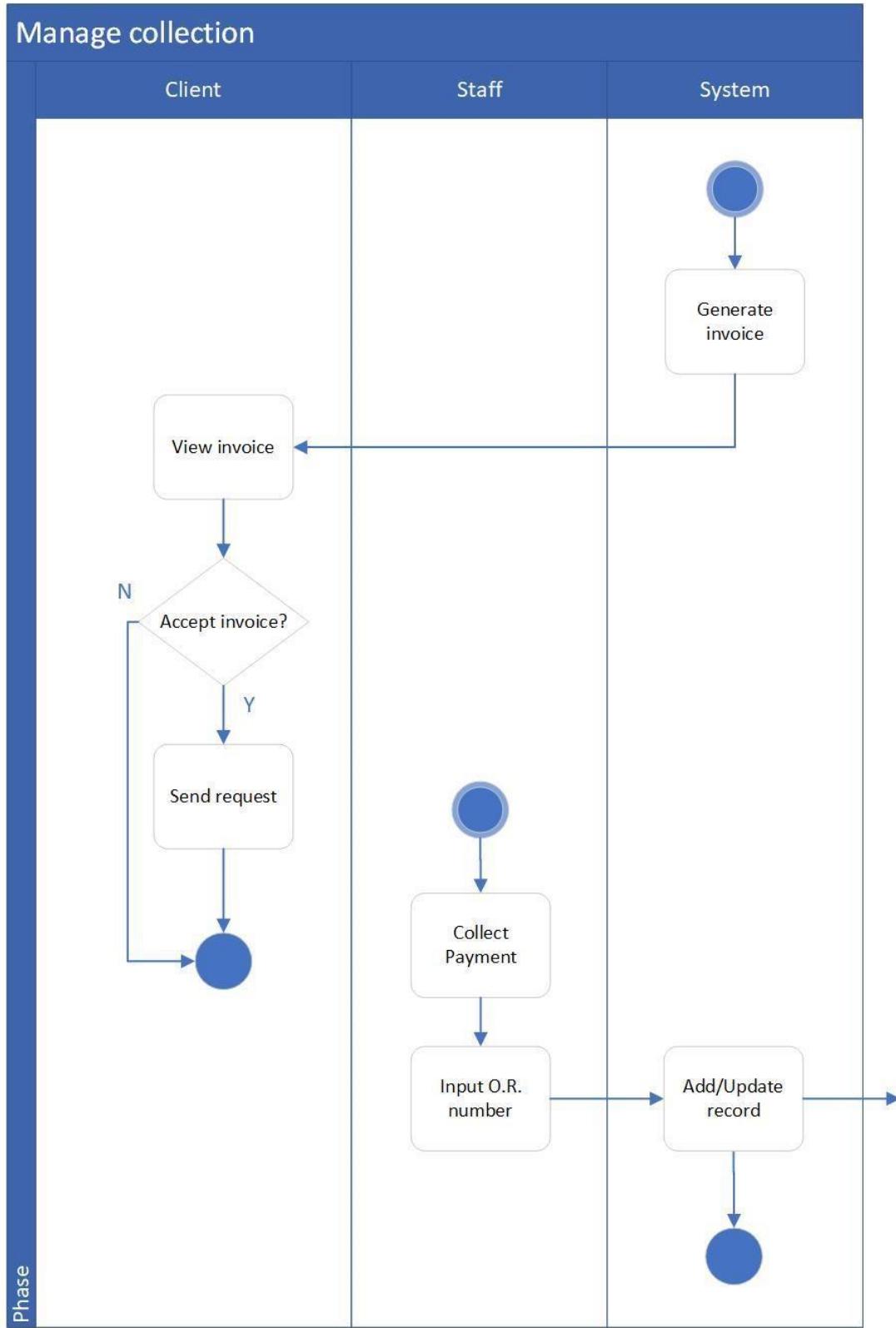
## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES





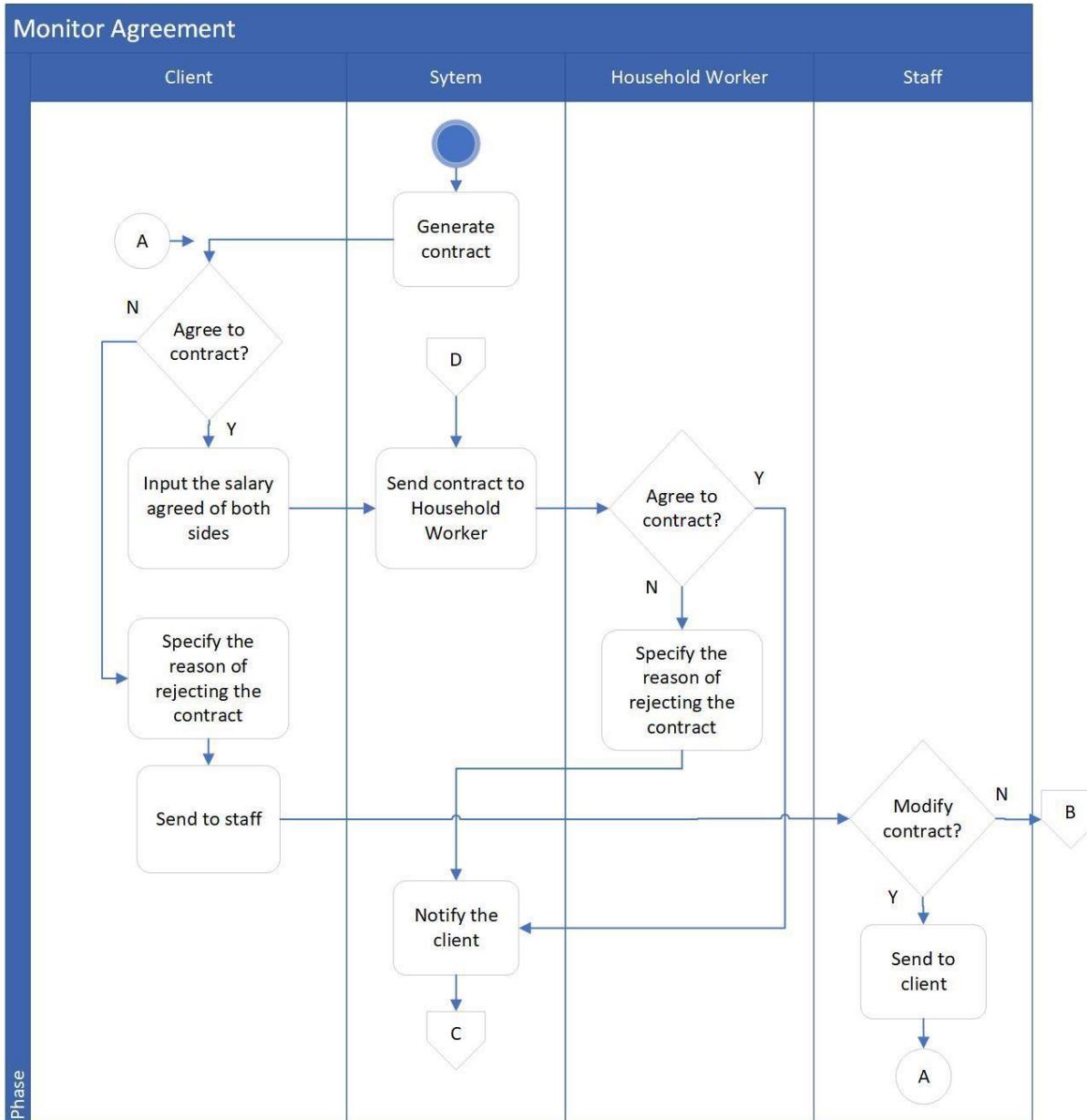


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES



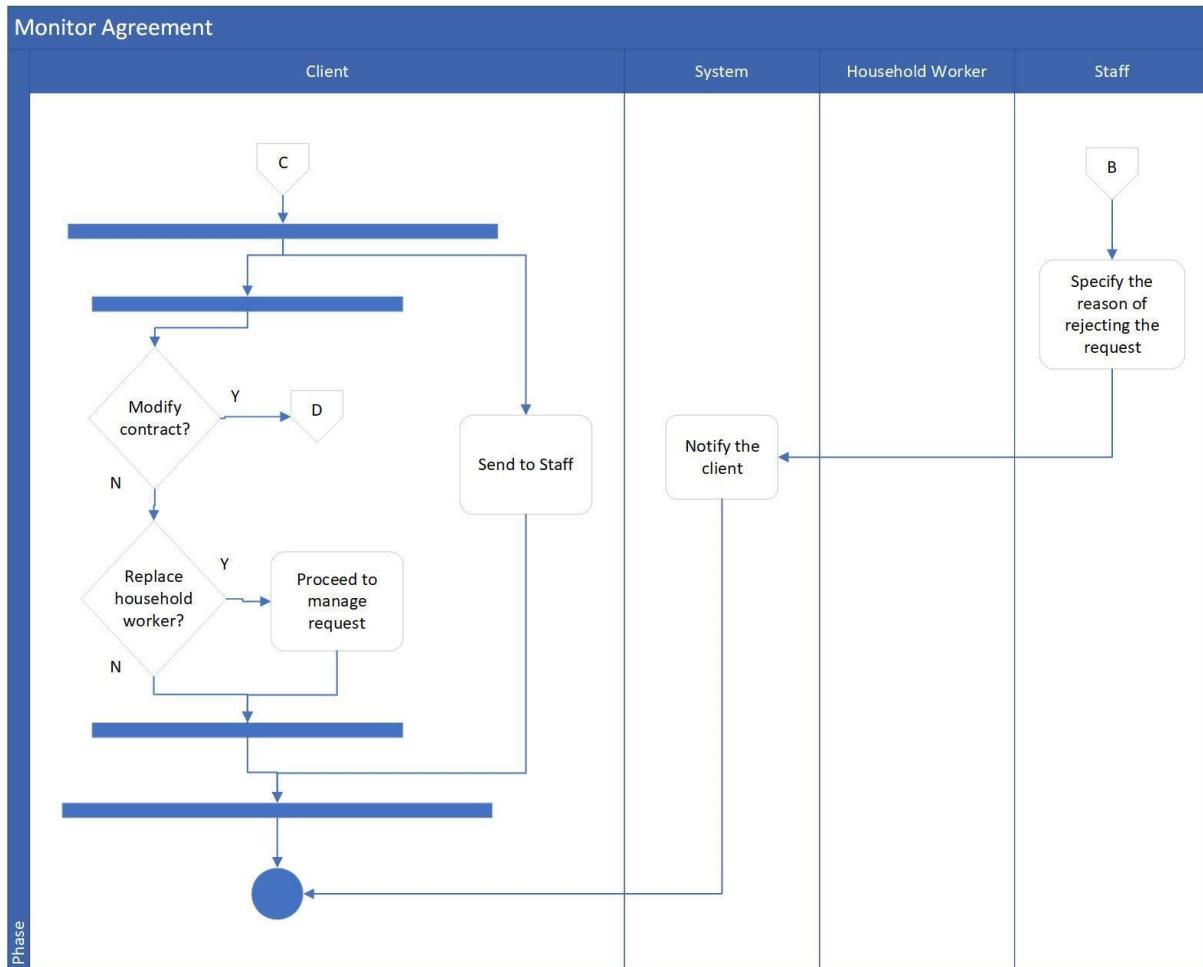


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES



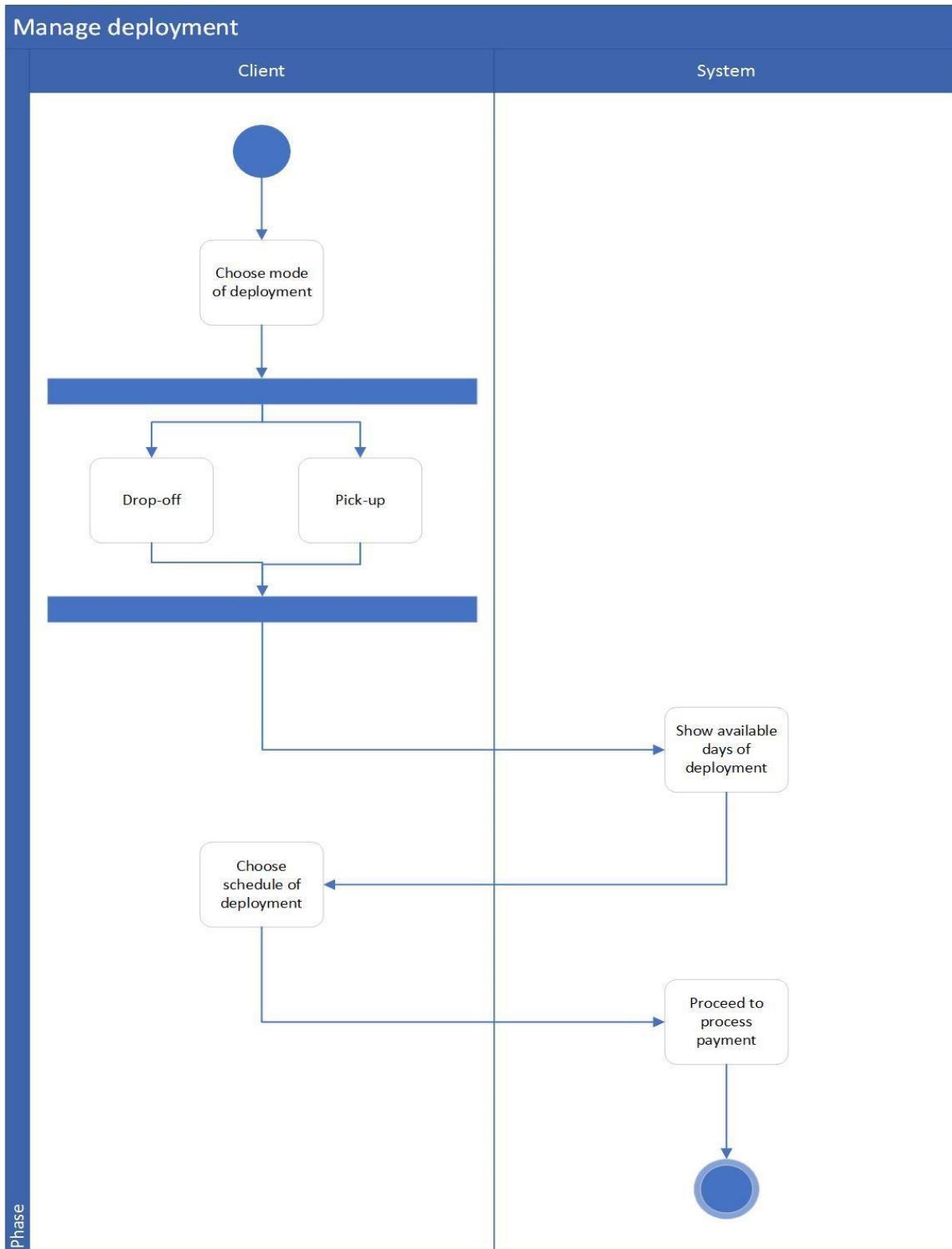


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

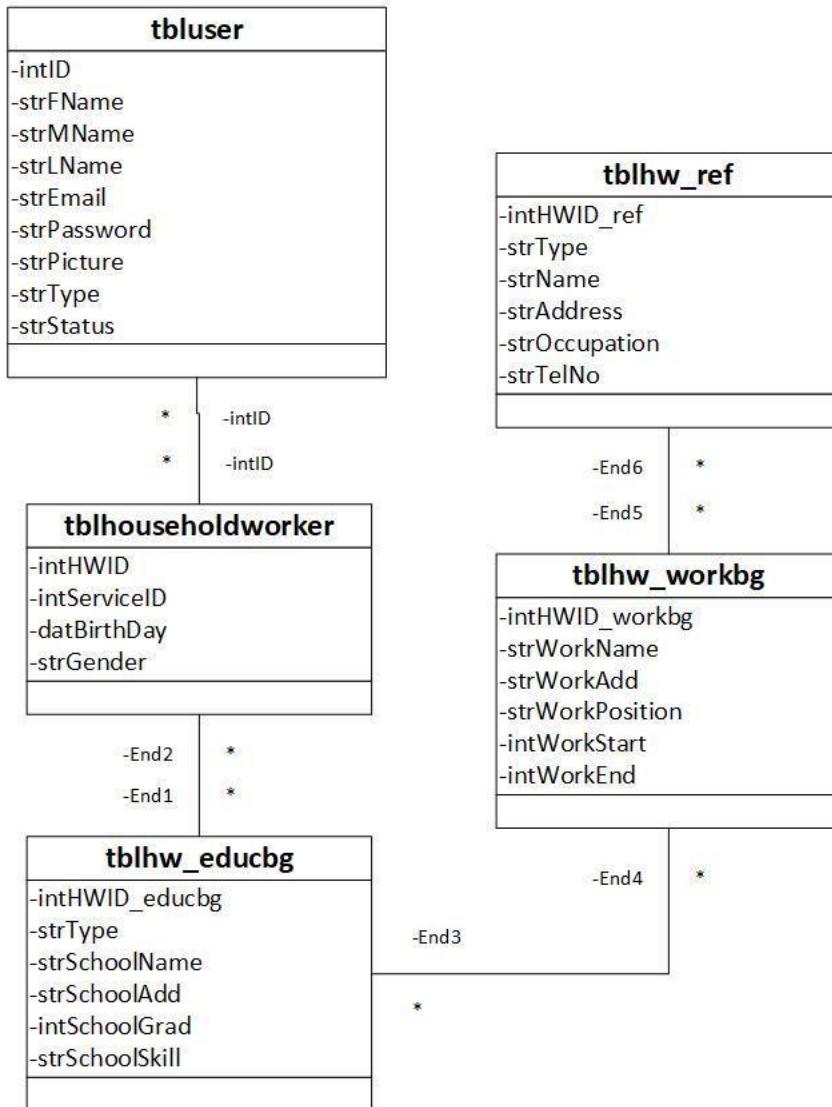




## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.2. Class Diagram

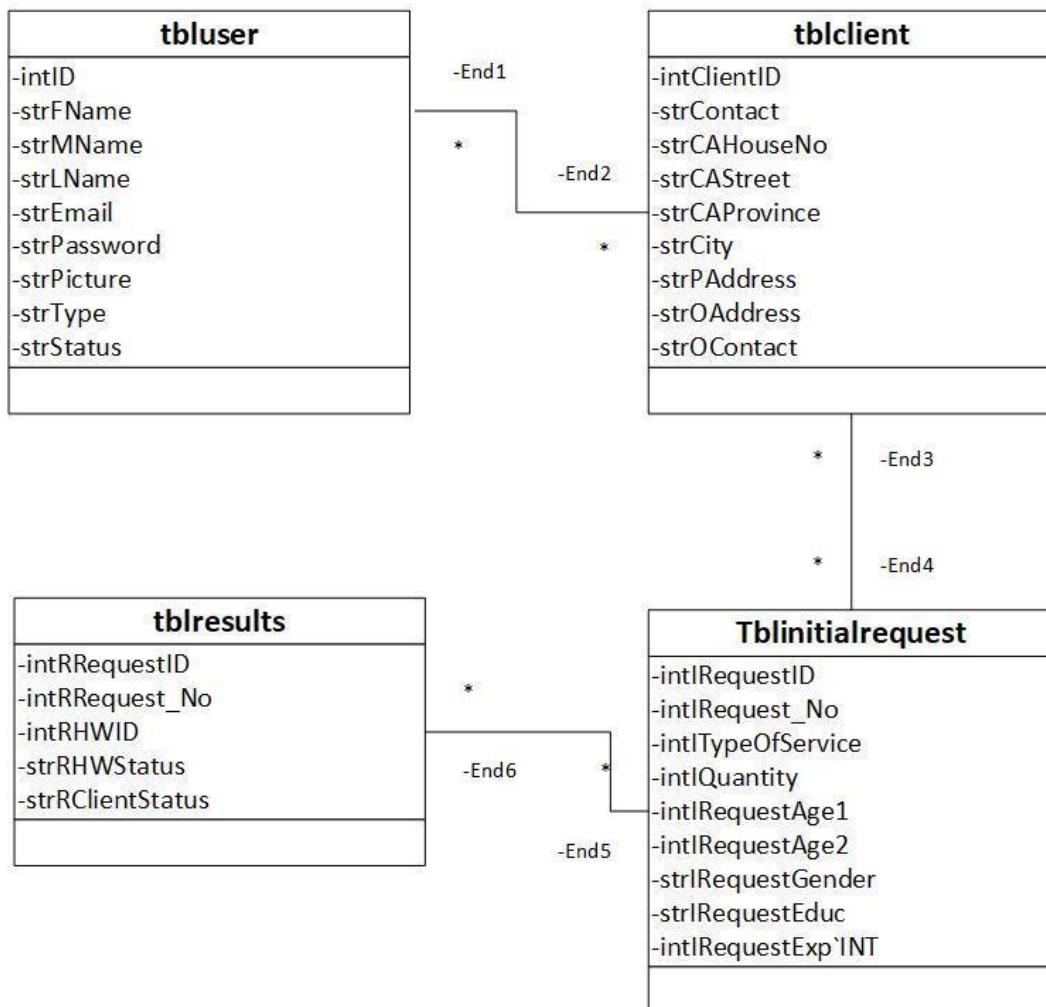
#### 3.2.2.1 Monitor Household Worker





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

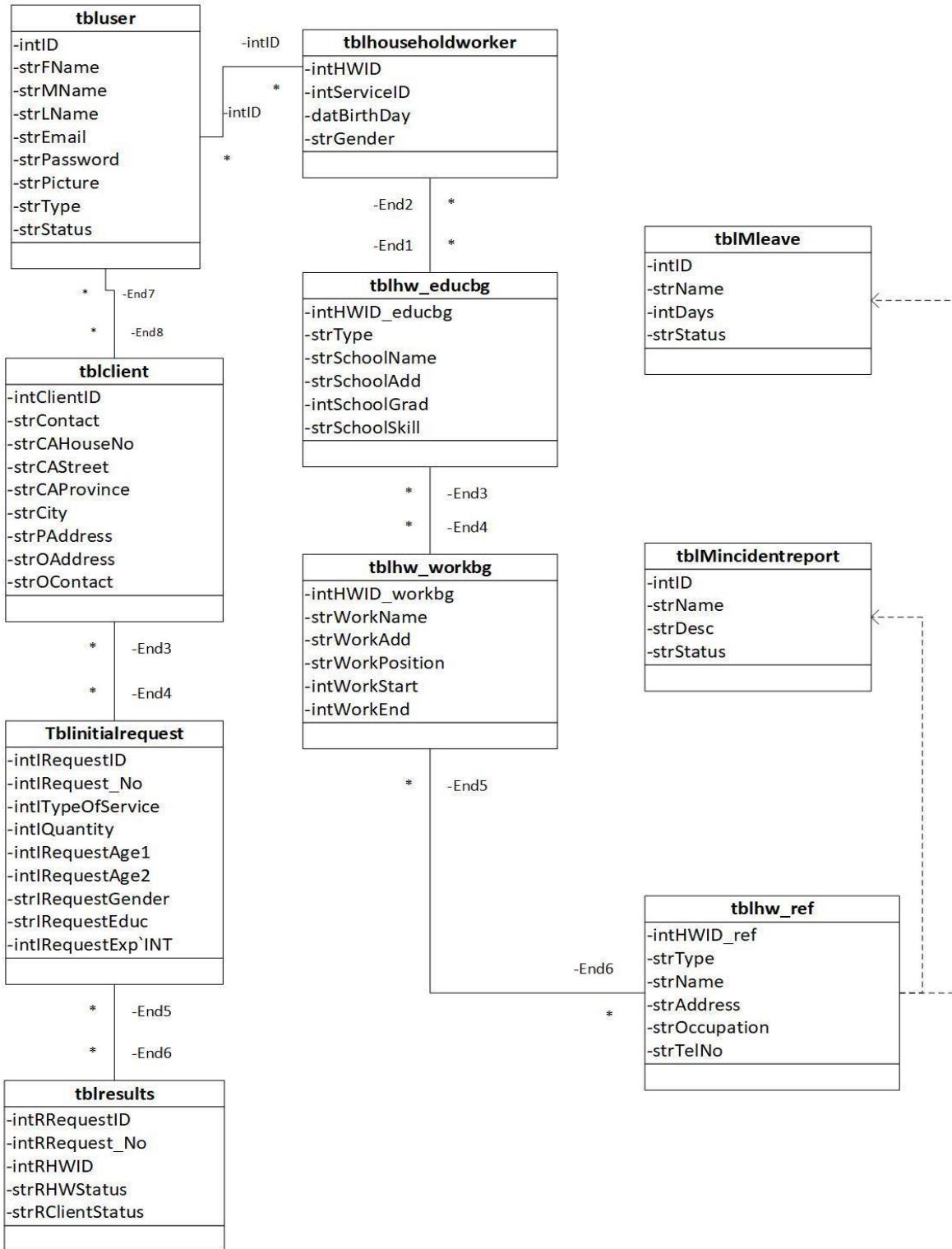
### 3.2.2.2.Manage Client





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

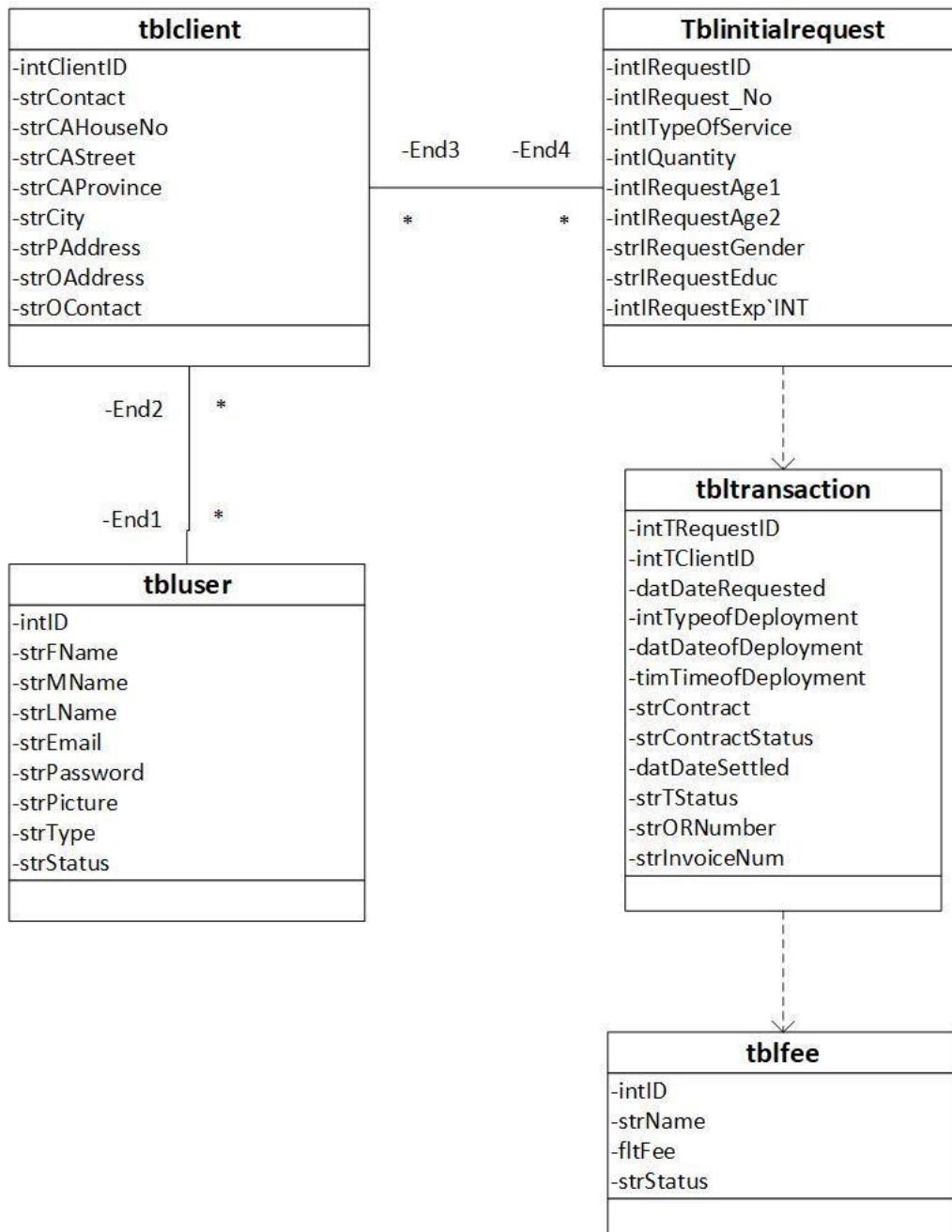
### 3.2.2.3 Manage Request





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

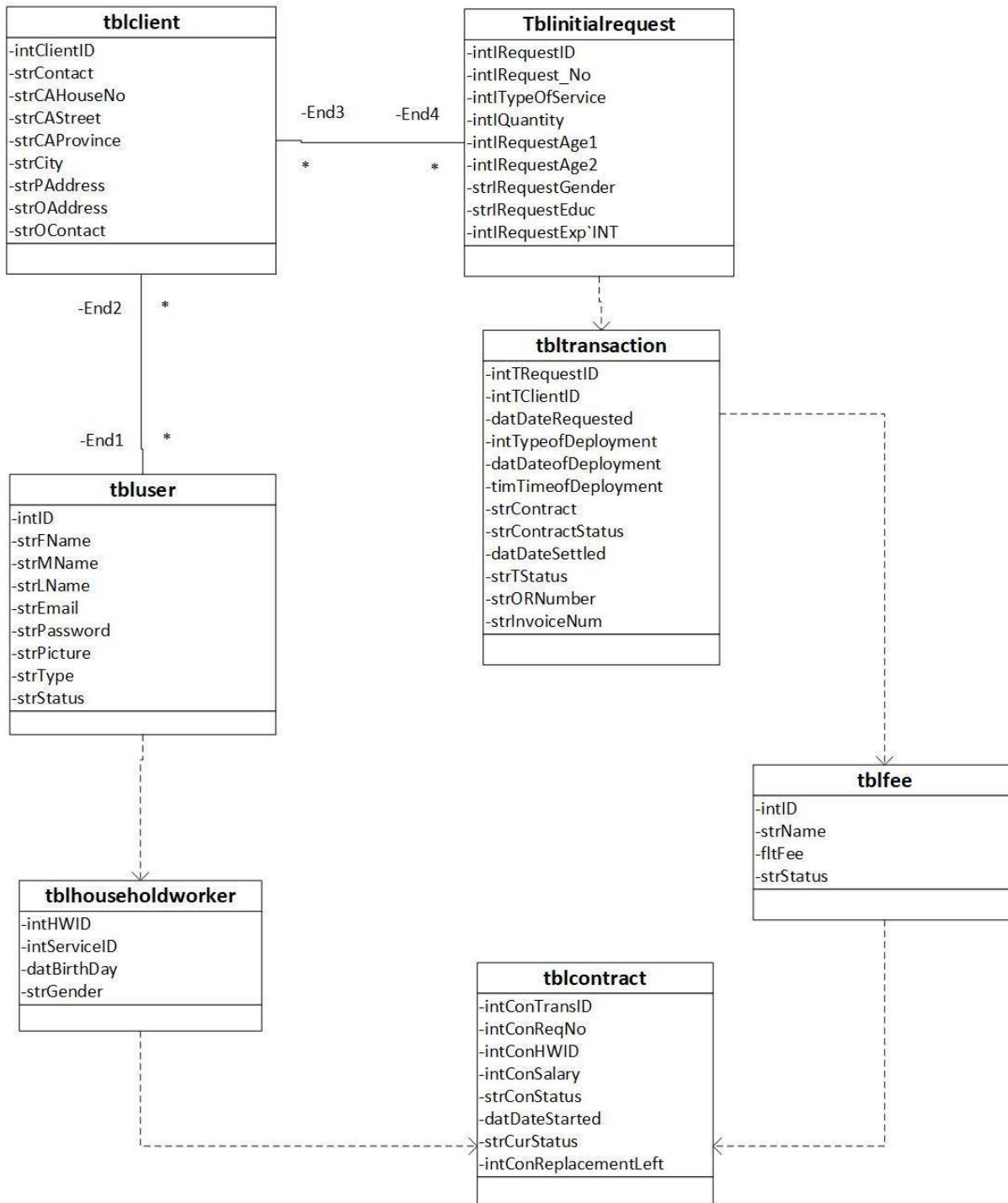
### 3.2.2.4 Manage Collection





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

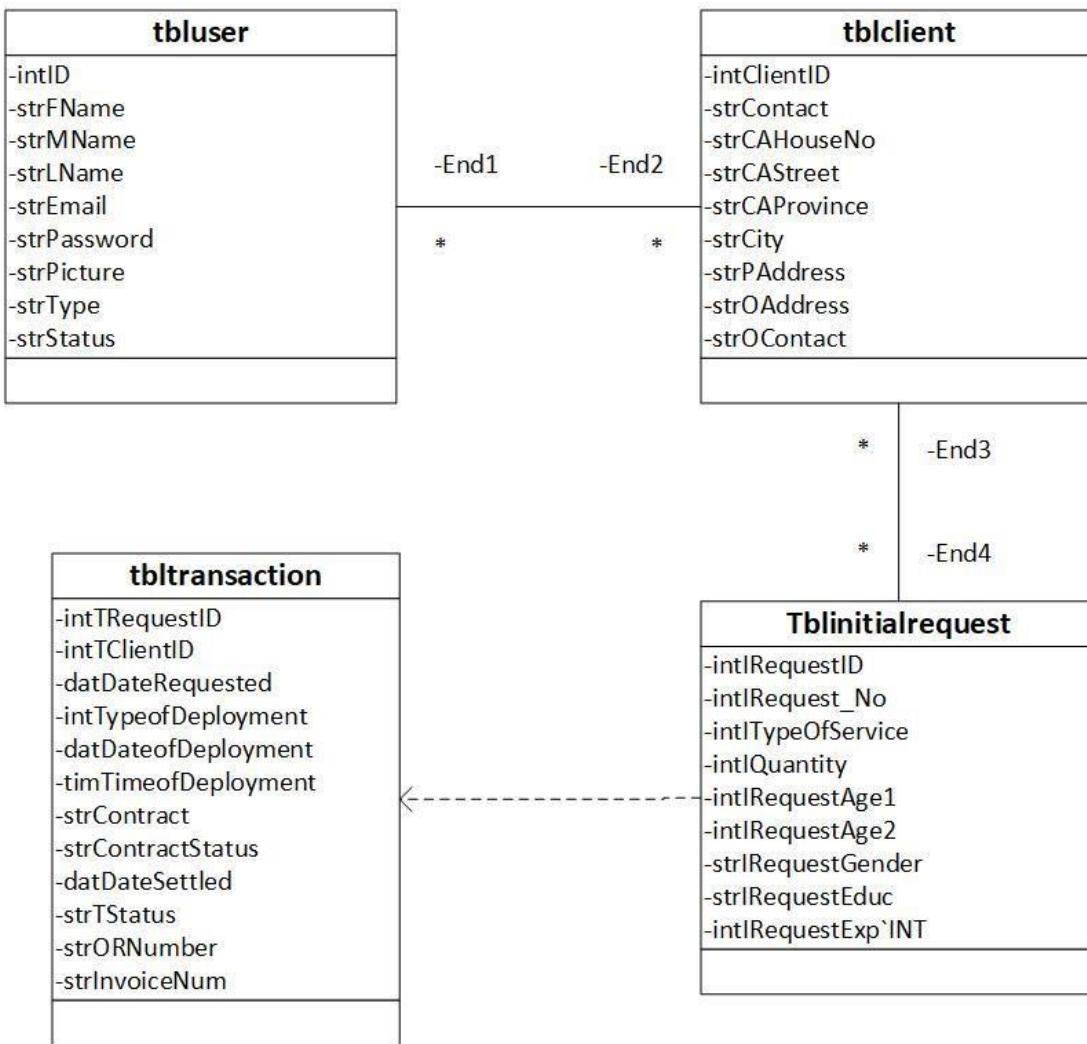
### 3.2.2.5 Monitor Agreement





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.2.6 Manage Deployment

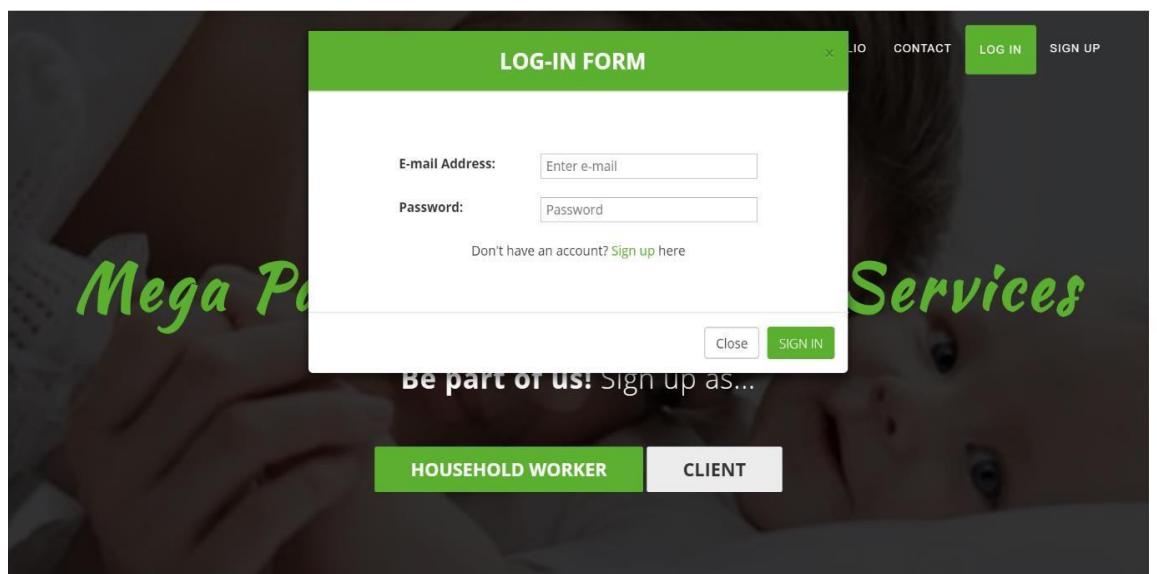
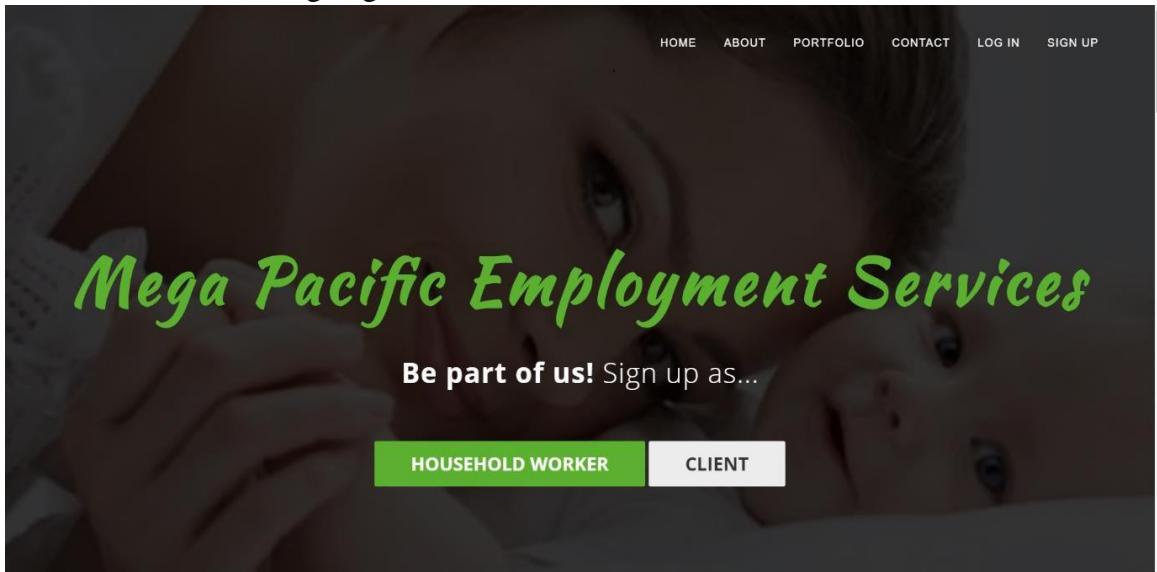




## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.3. GUI Design

#### 3.2.3.1 Landing Page GUI



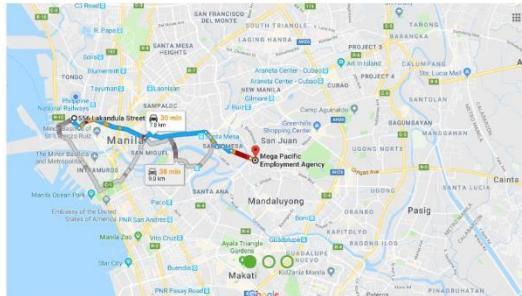


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

HOME    **ABOUT**    PORTFOLIO    CONTACT    LOG IN    SIGN UP

### About Us

Mega Pacific Manpower Services, is a private employment agency that recruits and employ maids and other household worker like nanny, cook, and even driver that provide great services at home. Its fast, reliable and convenient service rapidly escalated it to be one of the top manpower services company in the country. They offer services in the field of child and elderly care, home management, and any other domestic-related works.



HOME    ABOUT    **PORTFOLIO**    CONTACT    LOG IN    SIGN UP



Highly-trained and qualified service provider



3x Free Replacement



We deliver



Automated management system



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A collage of six images illustrating various services or activities: a nurse assisting an elderly woman, a cleaner mopping a floor, a person preparing food, a woman and child drawing, laundry being loaded into a washing machine, and a woman comforting a sick child.

A contact form page with a dark background. It includes fields for "Your Name \*", "Your Email \*", and "Your Phone \*". To the right is a larger field for "Your Message \*". A green "SEND MESSAGE" button is located at the bottom of the form.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.3.2 Admin GUI

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

## Dashboard

Today's Activity

ID	User	Report	Details
1	Janelle Alag	For Drop-off	10:30 am
2	Mary Justine Espin	For Drop-off	11:00 am
3	Gilbert Cortez	For Pick-up	1:30 pm
4	Mary Jane Duran	For Drop-off	2:30 pm
5	Xander Pijan	For Drop-off	3:00 pm

Client And Household Worker Management System

0 New Registration  
1 New Request  
36 Settled  
17 New User's Report

[view](#) [view](#) [view](#) [view](#)

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports

## Maintenance / City

+ Add

CITY	STATUS	ACTION
Caloocan	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Makati	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Malabon	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Manila	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Navotas	<input type="checkbox"/>	<input checked="" type="button"/> Edit

Show 5 entries Search:

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. On the left is a dark sidebar with a user profile picture and the text "Welcome, Ian". Below this is a "MAIN MENU" with several options: Dashboard, Maintenance (selected), Requirements, Services, Household Worker Skills, Incident report, Leave, City (selected), Transactions, Utilities, and Reports. The main content area shows a table titled "Maintenance" with columns "CITY", "STATUS", and "ACTION". The table contains five rows: Caloocan, Makati, Malabon, Manila, and Navotas. Each row has a status switch (green for Caloocan, Makati, Malabon, Manila; grey for Navotas) and an "Edit" button. A modal window titled "Add a City" is open in the center, containing a "City Name \*" input field with a placeholder "Caloocan" and "Add" and "Cancel" buttons. At the bottom right of the main content area, it says "Client And Household Worker Management System".

A screenshot of the same web application interface as the previous one. The sidebar and menu are identical. The main content area shows the same table with cities. A modal window titled "Edit City" is open, showing the "City\*" input field with "Caloocan" entered and "Update" and "Cancel" buttons. The table below shows the same five cities with their respective status switches and edit buttons. The footer "Client And Household Worker Management System" is visible.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web-based application interface. On the left is a dark sidebar menu titled "MAIN MENU" with options like Dashboard, Maintenance (Requirements, Services, Household Worker Skills), Incident report, Leave, City, Transactions, Utilities, and Reports. The "Household Worker Skills" option under Maintenance is selected. The main content area shows a table titled "Maintenance / Household Worker Skills" with a green "+ Add" button. The table has columns for SKILL, STATUS (with toggle switches), and ACTION (with edit buttons). The data in the table is:

SKILL	STATUS	ACTION
Can be left alone at night	ON	<input checked="" type="button"/> Edit
Can cook Filipino food	ON	<input checked="" type="button"/> Edit
Can cook international food	ON	<input checked="" type="button"/> Edit
Can do gardening	ON	<input checked="" type="button"/> Edit
Can do general house keeping	ON	<input checked="" type="button"/> Edit

Client Area Household Worker Management System

A screenshot of the same application interface, but with a modal dialog box in the foreground titled "Add a Skill". The dialog has a "Skill Name\*" input field and two buttons: "Add" (green) and "Cancel" (grey). The background table remains the same as in the first screenshot.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

The screenshot shows a user interface for managing household worker skills. A modal window titled "Edit Skill" is open, prompting the user to enter a skill description: "Skill\* Can be left alone at night". Below the modal is a table listing several skills with edit and status controls.

SKILL	STATUS	ACTION
Can be left alone at night	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Can cook Filipino food	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Can cook international food	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Can do gardening	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit
Can do general house keeping	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit

The screenshot shows a list of incident reports. One entry is visible: "Personal Injury" with the description "Physical injury inflicted on a person's body". The report has an active status and an edit button.

INCIDENT REPORT	DESCRIPTION	STATUS	ACTION
Personal Injury	Physical injury inflicted on a person's body.	<input checked="" type="checkbox"/>	<input checked="" type="button"/> Edit



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave
  - City
- Transactions
- Utilities
- Reports

Add an Incident Report

Incident Name\*

Description\*

Add Cancel

Showing 1 to 1 of 1 entries

Previous Next

Client And Household Worker Management System

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave
  - City
- Transactions
- Utilities
- Reports

Edit Incident Report

Incident Name\*

Description\*

Update Cancel

Showing 1 to 1 of 1 entries

Previous Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave
  - City
- Transactions
  - Utilities
  - Reports

Maintenance / Requirements

+ Add

Show 5 entries

REQUIREMENTS AND CLEARANCES	FOR	STATUS	ACTION
2 Valid ID	Client	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
Birth Certificate (PSA)	Household Worker	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
NBI	Client	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
NBI	Household Worker	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>

Showing 1 to 4 of 4 entries

Previous | Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave
  - City
- Transactions
  - Utilities
  - Reports

Add a Requirement

Requirement Name\*: SSS

Requirement For\*: Household Worker

Add Cancel

SEARCH

STATUS	ACTION
<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>

Showing 1 to 4 of 4 entries

Previous | Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

The screenshot shows a modal dialog titled "Edit Requirement". Inside the dialog, there are two input fields: "Requirement Name\*" containing "2 Valid ID" and "Requirement For\*" containing "same as before". At the bottom right of the dialog are "Update" and "Cancel" buttons. In the background, there is a table with four rows of data. The columns are labeled "STATUS" and "ACTION". The data rows are:

Requirement Name	Requirement For	Status	Action
2 Valid ID	Client	On	<input checked="" type="checkbox"/> Edit
Birth Certificate (PSA)	Household Worker	On	<input checked="" type="checkbox"/> Edit
NBI	Client	On	<input checked="" type="checkbox"/> Edit
NBI	Household Worker	On	<input checked="" type="checkbox"/> Edit

At the bottom of the page, there are navigation links for "Previous" and "Next", and the text "Showing 1 to 4 of 4 entries". The footer of the page reads "Client And Household Worker Management System".

The screenshot shows a table titled "Maintenance / Services". A green "+ Add" button is located at the top left. The table has three columns: "SERVICE", "STATUS", and "ACTION". The data rows are:

SERVICE	STATUS	ACTION
Cook	On	<input checked="" type="checkbox"/> Edit
Driver	On	<input checked="" type="checkbox"/> Edit
Housemaid	On	<input checked="" type="checkbox"/> Edit
Nanny	On	<input checked="" type="checkbox"/> Edit

At the bottom of the page, there are navigation links for "Previous" and "Next", and the text "Showing 1 to 4 of 4 entries". The footer of the page reads "Client And Household Worker Management System".



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

The screenshot shows a modal dialog titled "Add a Service". Inside the dialog, there is a text input field labeled "Service Name \*". Below the input field are two buttons: "Add" (in green) and "Cancel" (in grey). The background of the dialog is white, while the main application interface is dark-themed.

The main application interface shows a table titled "Maintenance" with columns "SERVICE", "STATUS", and "ACTION". The table contains four rows:

SERVICE	STATUS	ACTION
Cook	ON	<input type="button" value="Edit"/>
Driver	ON	<input type="button" value="Edit"/>
Housemaid	ON	<input type="button" value="Edit"/>
Nanny	ON	<input type="button" value="Edit"/>

Below the table, the text "Showing 1 to 4 of 4 entries" is displayed. At the bottom right of the application, there are "Previous" and "Next" buttons, and the text "Client And Household Worker Management System".

The screenshot shows a modal dialog titled "Edit Service". Inside the dialog, there is a text input field labeled "Service Name\*" containing the value "Cook". Below the input field are two buttons: "Update" (in green) and "Cancel" (in grey). The background of the dialog is white, while the main application interface is dark-themed.

The main application interface shows a table titled "Maintenance" with columns "SERVICE", "STATUS", and "ACTION". The table contains four rows:

SERVICE	STATUS	ACTION
Cook	ON	<input type="button" value="Edit"/>
Driver	ON	<input type="button" value="Edit"/>
Housemaid	ON	<input type="button" value="Edit"/>
Nanny	ON	<input type="button" value="Edit"/>

Below the table, the text "Showing 1 to 4 of 4 entries" is displayed. At the bottom right of the application, there are "Previous" and "Next" buttons, and the text "Client And Household Worker Management System".



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave**
  - City
- Transactions
- Utilities
- Reports

**Maintenance / Type of Leave**

+ Add

Show 5 entries

Type of Leave	No. of Days	STATUS	ACTION
Sick Leave	1	<input checked="" type="checkbox"/>	<button>Edit</button>
Vacation Leave	5	<input checked="" type="checkbox"/>	<button>Edit</button>

Showing 1 to 2 of 2 entries

Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
  - Leave**
  - City
- Transactions
- Utilities
- Reports

**Add a Leave**

Leave Name \*

Days of Leave\*

Add Cancel

**Maintenance / Type of Leave**

+ Add

Show 5 entries

Type of Leave	No. of Days	STATUS	ACTION
Sick Leave	1	<input checked="" type="checkbox"/>	<button>Edit</button>
Vacation Leave	5	<input checked="" type="checkbox"/>	<button>Edit</button>

Showing 1 to 2 of 2 entries

Previous 1 Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
  - Requirements
  - Services
  - Household Worker Skills
  - Incident report
- Leave
  - Sick
  - Vacation
- City
- Transactions
- Utilities
- Reports

Maintenance

Show

Edit Leave

Leave Name\* Sick Leave

Days of Leave\* 1

Update Cancel

		ACTION
Sick Leave	1	<input checked="" type="button"/>
Vacation Leave	5	<input checked="" type="button"/>

Showing 1 to 2 of 2 entries

Previous Next

Client And Household Worker Management System

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Transaction / Registration / Client / Add

Personal Details

Back

Name\* First Name  Middle Name (Optional)  Last Name

Email Address\*

Password\* (Minimum of 5 characters)

Confirm Password\*

Mobile Number / Telephone Number\*

Current Address\* House/Bldg. no.  Street   
Province  City

Permanent Address\*   
 Same with my Current Address

Office Address   
Office Telephone Number

Reset Register

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
    - Client
    - Household Worker
  - Request
  - Settlement
  - Incident Report
- Utilities
- Reports

Transaction / Registration / Client

+ Add

Show 5 entries

ID NO.	NAME	STATUS	ACTION
1	lance sanpablo	Registered	<a href="#">View</a> <a href="#">Requirements</a>
4	lancer sanpablor	Unregistered	<a href="#">View</a> <a href="#">Requirements</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Registration
  - Client
  - Household Worker
- Request
- Settlement
- Incident Report

Utilities

Reports

Transaction / Registration / Client

+ Add

Show 5 entries

Registered

The following requirements and clearances are presented:

- NBI
- 2 Valid ID

Close

ID NO.	NAME	STATUS	ACTION
1	lance sanpablo	Registered	<a href="#">View</a> <a href="#">Requirements</a>
4	lancer sanpablor	Unregistered	<a href="#">View</a> <a href="#">Requirements</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

This screenshot shows a modal dialog titled "Unregistered" with two options: "NBI" and "2 Valid ID". Below the dialog is a table listing two entries. The first entry is "lance sanpablo" (Status: Registered) and the second is "lancer sanpablor" (Status: Unregistered). At the bottom right of the table are "View" and "Requirements" buttons. The main menu on the left includes sections like Dashboard, Maintenance, Transactions, Registration, Utilities, and Reports. The title bar indicates the user is "lanz sanpablo".

ID NO.	NAME	STATUS	ACTION
1	lance sanpablo	Registered	<button>View</button> <button>Requirements</button>
4	lancer sanpablor	Unregistered	<button>View</button> <button>Requirements</button>

This screenshot shows a multi-step registration form for a household worker. The current step is "Personal Info" (Step 1). The form fields include: Service\* (Housemaid), Name\* (First Name, Middle Name, Last Name), Email Address\*, Gender\* (Male/Female), Current Address\* (House/Bldg. no., Street, Municipality, City), Permanent Address\* (House/Bldg. no., Street, Municipality, City), Telephone # (e.g. 093356278041), Date of Birth\* (ddmmyyyy), Place of Birth\*, Height (in ft.)\* (e.g. 5'2"), Weight (in lbs.)\* (e.g. 110), Civil Status\* (Single), Citizenship\*, and Religion\*. Navigation buttons at the bottom right include "Finish", "Next", and "Previous". The main menu on the left is identical to the previous screenshot. The title bar indicates the user is "lanz sanpablo".



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Registration / Household Worker / Form

### Personal Info

Back

1 2 3 4 5

Personal Information Educational Background Working Background Character References Other Skills

	NAME	ADDRESS	DATE
Primary Education	<input type="text"/>	<input type="text"/>	e.g. 2011
Secondary Education	<input type="text"/>	<input type="text"/>	2015
Tertiary Education	<input type="text"/>	<input type="text"/>	e.g. 2011 - 2015
Vocational	<input type="text"/>	<input type="text"/>	e.g. 2011 - 2015

Course:

Finish Next Previous

Client And Household Worker Management System

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Registration / Household Worker / Form

### Personal Info

Back

1 2 3 4 5

Personal Information Educational Background Working Background Character References Other Skills

FROM	TO	POSITION/ROLE	COMPANY	ADDRESS
<input type="text"/>				
<input type="text"/>				
<input type="text"/>				
<input type="text"/>				

Finish Next Previous

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, Ianz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Registration / Household Worker / Form

Personal Info

1 Personal Information      2 Educational Background      3 Working Background      4 Character References      5 Other Skills

Relatives

NAME	OCCUPATION	CONTACT NUMBER	ADDRESS

Non-Relatives

Client And Household Worker Management System

Maintenance

Transactions

Utilities

Reports

Query

Personal Information      Educational Background      Working Background      Character References      Other Skills

Disclaimer!

- Select the all the activities that you can do.

Your Other Skills:

- Can international course.
- Knows how to iron clothes
- Can operate an ordinary iron
- Can operate washing machine
- Can operate microwave
- Can handle pets
- Can wash car
- Can do general house keeping
- Willing to take care of baby
- Know how to bath baby
- Know how to sterilize feeding bottle
- Willing to handle special child
- Willing to handle toddlers
- Willing to do my personal laundry by hand
- Willing to work for foreigner employee
- Can promise NOT to use make-up while working
- Can be left alone at night

Selected Skills

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
    - Client
    - Household Worker
  - Request
  - Settlement
  - Incident Report
- Utilities
- Reports

Transaction / Registration / Household Worker

+ Add

Show 5 entries

ID NO.	NAME	SERVICE	STATUS	ACTION
6	Jane Doe	Housemaid	Deployed	<a href="#">View</a>
7	Jane7 Doe7	Housemaid	Registered	<a href="#">View</a> <a href="#">Requirements</a>

Showing 1 to 2 of 2 entries

Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Household Worker's Profile

Doe, Jane Saint

Housemaid

Edit Picture

Age: \_\_\_\_\_  
Gender: Female  
\_\_\_\_\_

Date of Birth: December 13, 1999

Place of Birth: \_\_\_\_\_

Civil Status: \_\_\_\_\_

Height: \_\_\_\_\_

Weight: \_\_\_\_\_

Religion: \_\_\_\_\_

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
  - Request
    - Client
    - Household Worker
  - Settlement
  - Incident Report
- Utilities
- Reports

Transaction / Client / Requests

Show 5 entries

ID	NAME	REQUEST	DATE REQUESTED	DATE NEEDED	STATUS	ACTION
2	sanpablo, lance	Add	August 22, 2018	August 22, 2018	On process	<a href="#">View</a> <a href="#">View Description</a>

Showing 1 to 1 of 1 entries

Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Client Request

Requested Service

Number	Service	Quantity	Action
1	Housemaid	1	<a href="#">View</a> <a href="#">View List</a>

sanpablo, lance

01234516742  
lance@xyz.com

[View Profile](#)

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

For Household Worker's Approval

Housemaid: 7

Name: Jane7  
Doe7  
Age:  
Gender:  
Status:

[View Profile](#)  
[Send Request](#)

For Client's Approval

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
  - Request
    - Client
    - Household Worker
  - Settlement
  - Incident Report
- Utilities
- Reports

List Description

mamaw magcode

Show

ID	NAME	REQUEST	DATE REQUESTED	DATE NEEDED	STATUS	ACTION
2	sanpablo, lance	Add	August 22, 2018	August 22, 2018	On process	<a href="#">View</a> <a href="#">View Description</a>

Showing 1 to 1 of 1 entries

Previous | Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
- Reports
- Query

Results

Show 5 entries

ID	NAME	SERVICE	AGE	Gender	EDUCATION	WORK EXPERIENCE	STATUS	ACTION
No data available in table								

Showing 0 to 0 of 0 entries

Previous Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
  - Request
  - Settlement
  - Incident Report
    - Client
    - Household Worker
- Utilities
- Reports

Transaction / Incident Report / Client

Show 5 entries

REPORTER	RECIPIENT	INCIDENT REPORT	DATE REPORTED	STATUS	ACTION
lance sanpablo		1	August 22, 2018		<button>View</button>

Showing 1 to 1 of 1 entries

Previous 1 Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
  - Request
  - Settlement
    - Settle Request
    - Finished Transaction
  - Incident Report
- Utilities
- Reports

Transaction / Settlement / Finished Transaction

### Finished Transaction

Show 5 entries

ID	NAME	DATE SETTLED	TRANSACTION WILL END	STATUS	ACTION
1	sanpablo, lance	August 22, 2018	February 22, 2019	On-going	<button>View</button>

Showing 1 to 1 of 1 entries

Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
  - Registration
  - Request
  - Settlement
    - Settle Request
    - Finished Transaction
  - Incident Report
- Utilities
- Reports

Transaction / Settlement / Settle Request

### Settle Request

Show 5 entries

ID	NAME	REQUEST	DATE REQUESTED	DATE OF DEPLOYMENT	STATUS	ACTION
No data available in table						

Showing 0 to 0 of 0 entries

Previous Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
  - Staff
  - Fees
  - Free Replacement
- Reports
- Query

Utilities / Staff

ID NO.	NAME OF STAFF	POSITION	STATUS	ACTION
3	lanz sanpabloz	Admin	Registered	<a href="#">View</a> <a href="#">Edit</a>

Show 5 entries Search: Previous 1 Next

Client And Household Worker Management System

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
  - Staff
  - Fees
  - Free Replacement
- Reports
- Query

Utilities/ Fees

NAME	FEE	STATUS	ACTION
Agency Fee	8000	Active	<a href="#">Edit</a>
Drop-off	600	Active	<a href="#">Edit</a>
Pick-up	0	Active	<a href="#">Edit</a>
Replacement Fee	1000	Active	<a href="#">Edit</a>

Show 1 to 4 of 4 entries Previous 1 Next

Client And Household Worker Management System



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, lanz

MAIN MENU

- Dashboard
- Maintenance
- Transactions
- Utilities
  - Staff
  - Fees
  - Free Replacement
- Reports
- Query

Utilities / Replacement Fee

Show 5 entries

FREE REPLACEMENT	STATUS	ACTION
3	Active	<input checked="" type="button"/> Edit

Showing 1 to 1 of 1 entries

Previous 1 Next

Client And Household Worker Management System

### 3.2.3.3 Client GUI

Welcome, User.

Alexis Castro

Profile

My List

Messages 2

Notification 6

Logout

Home

My Request Incoming Request History

Type of Request: Add Household Worker

You have successfully sent this request. This request is awaiting for approval.

View



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Welcome, User.

Alexis Castro

Profile My List Messages (2) Notification (6) Logout

Home

My Request Incoming Request History

Type of Request: Add Household Worker

You have successfully sent this request. This request is awaiting for approval.

View

This screenshot shows the user's profile picture and name "Alexis Castro". On the left, there is a sidebar with links for Profile, My List, Messages (2), Notification (6), and Logout. The main content area is titled "Welcome, User." and shows a message indicating a successful request submission for adding a household worker, which is awaiting approval. There are tabs for My Request, Incoming Request, and History.

Alexis Castro

Profile My List Messages (2) Notification (5) Logout

## Add Household Worker

Search for... Go!

Disclaimer!

- To add Household Worker you must create first a list of your service/s to be requested.
- Or add to your current pending list of services.

+ Create New List

Number: 1 Number: 2

**My First List**

List no: 00001  
Date created: 5/26/2018  
Status: 2 out of 7 request approved

**My Driver**

List no: 00001  
Date created: 5/26/2018  
Status: 2 out of 7 request approved

view delete view delete

This screenshot shows the "Add Household Worker" page. It includes a disclaimer about creating service lists and a green button to "Create New List". Below, two service lists are displayed: "My First List" and "My Driver". Each list shows its list number, creation date, and approval status. There are "view" and "delete" buttons for each list entry.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. On the left, there is a sidebar with a user profile picture of a person in a blue dress, the name "Alexis Castro", and several menu items: "Profile", "My List", "Messages 2", "Notification 6", and "Logout". The main content area has a title "Replace Household Worker" and a sub-section "Current Household Worker". It displays a table with four rows of data:

Employee Number	Name	Age	Type of Service	Action
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button>

A screenshot of a web application interface. On the left, there is a sidebar with a user profile picture of a person in a blue dress, the name "Alexis Castro", and several menu items: "Profile", "My List", "Messages 2", "Notification 5", and "Logout". The main content area has a title "My Household Worker" and tabs "Current" and "Replace". A modal dialog box titled "Replacement" is displayed in the center, containing the text "Are you sure you want to replace this household worker?" with "No" and "Yes" buttons. In the background, there is a table with four rows of data:

ID Number	Name	Age	Type of Service	Action
H0001	Maria Mercedes	28	Housemaid	<button>View</button> <button>Replace</button> <button>Report</button>
H0002	Erich Gonzales	27	Housemaid	<button>View</button> <button>Replace</button> <button>Report</button>
N0002	Ai Ai delas alas	40	Nanny	<button>View</button> <button>Replace</button> <button>Report</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button> <button>Report</button>



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface titled "My Household Worker". On the left, there's a sidebar with a user profile picture, the name "Alexis Castro", and links for "Profile", "My List", "Messages (2)", "Notification (5)", and "Logout". The main content area shows a table of household workers with columns for "ID Number", "Name", "Age", and "Occupation". There are three rows of data: H0001 (Maria Mendoza, 25, Housemaid), H0002 (Erich Gonzales, 27, Housemaid), and N0002 (Ai Ai delas alas, 40, Nanny). Each row has "View", "Replace", and "Report" buttons. A modal window titled "Replacement" is open, asking for a reason: "Reason/s: Can't able to do the household chores." A "Submit" button is at the bottom of the modal.

A screenshot of the same web application interface after a replacement request. The modal window from the previous screenshot has closed, replaced by a new one with a green checkmark icon and the message "Request successfully sent!". A blue "OK" button is at the bottom of this new modal. The background table remains the same, showing the list of household workers.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. On the left, there is a sidebar with a user profile picture of a person in a blue dress, the name "Alexis Castro", and several menu items: "Profile", "My List", "Messages 2", "Notification 6", and "Logout". The main content area has a title "Report Household Worker" and a sub-section "Current Household Worker". Below this is a table listing four household workers with columns for Employee Number, Name, Age, Type of Service, and Action (View and Report buttons).

Employee Number	Name	Age	Type of Service	Action
H0001	Maria Mercedes	28	Housemaid	<button>View</button> <button>Report</button>
H0002	Erich Gonzales	27	Housemaid	<button>View</button> <button>Report</button>
N0002	Ai Ai delas alas	40	Nanny	<button>View</button> <button>Report</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Report</button>

A screenshot of a web application interface. It shows a "Report" dialog box in the foreground with the question "Are you sure you want to report this household worker?" and two buttons: "No" and "Yes". In the background, there is a "My Household Worker" section with a "Current" tab selected. This tab displays a table of household workers with columns for ID Number, Name, Age, Type of Service, and Action (View, Replace, and Report buttons). The table data is identical to the one in the first screenshot.

ID Number	Name	Age	Type of Service	Action
H0001	Maria Mercedes	28	Housemaid	<button>View</button> <button>Replace</button> <button>Report</button>
H0002	Erich Gonzales	27	Housemaid	<button>View</button> <button>Replace</button> <button>Report</button>
N0002	Ai Ai delas alas	40	Nanny	<button>View</button> <button>Replace</button> <button>Report</button>
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button> <button>Report</button>



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Report

Choose Type of Incident:

Security/Violence

Description:

Behaviour involving physical force intended to hurt, damage, or kill someone or something,

Reason/s:

Nahuli kong sinaktan yung aking anak.

Action

View Replace Report

View Replace Report

View Replace Report

View Replace Report

Submit

My Household Worker

Success! The admin will validate and take action about your report!

OK



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

My Household Worker

Search for... Go!

Current   Replaced   Reported

ID Number	Name	Age	Type of Service	Action
H0001	Maria Mercedes	28	Housemaid	<a href="#">View</a> <a href="#">Replace</a> <a href="#">Report</a>
H0002	Erich Gonzales	27	Housemaid	<a href="#">View</a> <a href="#">Replace</a> <a href="#">Report</a>
N0002	Ai Ai delas alas	40	Nanny	<a href="#">View</a> <a href="#">Replace</a> <a href="#">Report</a>
D0002	Chris Hemsworth	30	Driver	<a href="#">View</a> <a href="#">Replace</a> <a href="#">Report</a>

My Household Worker

Search for... Go!

Current   Replaced   Reported

ID Number	Name	Age	Type of Service	Action
N0001	Eugene Domingo	40	Nanny	<a href="#">view</a>



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a modal window titled "Household Worker Info". It displays a circular profile picture of a woman with short brown hair, wearing a blue top. Below the picture, the following information is listed:

ID number: N0001  
Name: Eugene Domingo  
Age: 40  
Gender: female  
Type of Service: Nanny  
Reason of Replacement: tamad na yaya

At the bottom right of the modal is a "Close" button.

A screenshot of the "My Household Worker" page. At the top, there is a search bar with "Search for..." and a "Go!" button. Below the search bar, there are three tabs: "Current", "Replaced", and "Reported". The "Current" tab is selected. A table below the tabs shows the following data:

ID Number	Name	Age	Type of Service	Action
D0001	Cardo Dalisay	35	Driver	<button>view</button>



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. At the top, there's a navigation bar with links for Home, Request, My Household Worker, and Alexis Castro. Below this is a sidebar with a user profile picture of a person in a blue uniform, the name "Alexis Castro", and several menu items: Profile, My List, Messages (2), Notification (5), and Logout. A modal window titled "Household Worker Info" is open in the center. It shows a circular profile picture of a man in a blue uniform with "PROBINSY" on it. Below the picture, detailed information is listed:

ID Number: D0001  
Name: Cardo Dalisay  
Age: 30  
Gender: Male  
Type of Service: Driver  
Type of report: Near miss  
Reason: kaskasero kung mag drive

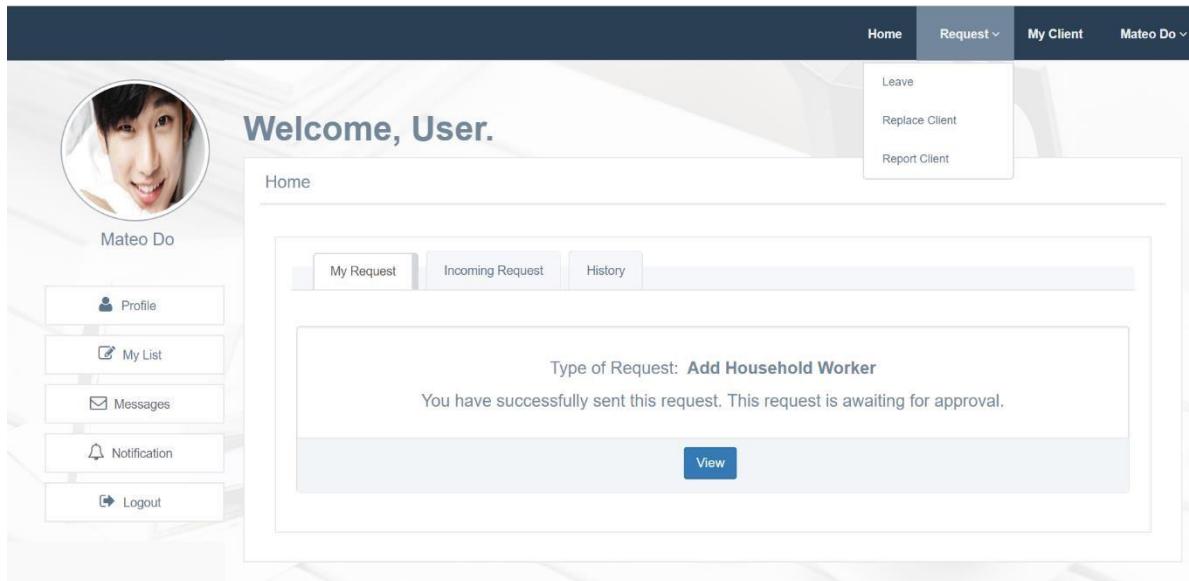
At the bottom right of the modal is a "Close" button.

### 3.2.3.3 Household Worker GUI

A screenshot of the Household Worker GUI. The top navigation bar includes Home, Request, My Client, and Alexis Castro. The sidebar on the left features a user profile picture of a young man, the name "Alexis Castro", and menu items: Profile, My List, Messages (2), Notification (6), and Logout. The main content area displays a "Welcome, User." message. Below it, a "Home" section has tabs for My Request, Incoming Request, and History. A central box shows a success message: "Type of Request: Add Household Worker" and "You have successfully sent this request. This request is awaiting for approval." A "View" button is located at the bottom right of this box.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES



Welcome, User.

Mateo Do

Profile My List Messages Notification Logout

Home

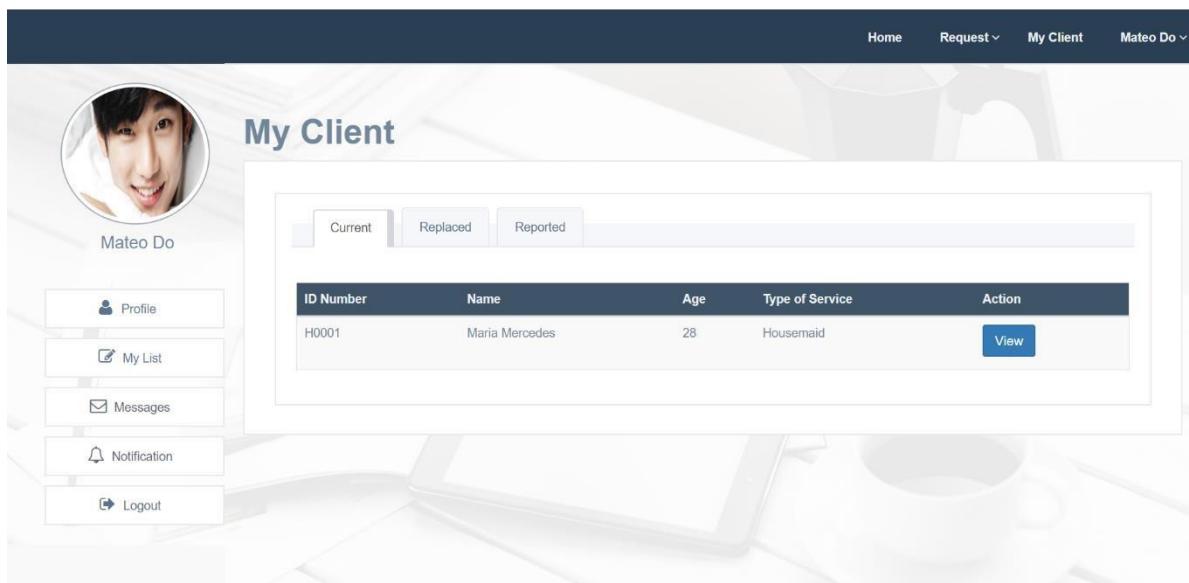
My Request Incoming Request History

Type of Request: Add Household Worker

You have successfully sent this request. This request is awaiting for approval.

View

This screenshot shows the user's home page. It features a profile picture of Mateo Do and a sidebar with links for Profile, My List, Messages, Notification, and Logout. The main content area displays a success message about sending a request to add a household worker, with tabs for My Request, Incoming Request, and History.



## My Client

Mateo Do

Profile My List Messages Notification Logout

Current Replaced Reported

ID Number	Name	Age	Type of Service	Action
H0001	Maria Mercedes	28	Housemaid	<a href="#">View</a>

This screenshot shows the 'My Client' section. It includes a profile picture of Mateo Do and a sidebar with Profile, My List, Messages, Notification, and Logout. Below these are tabs for Current, Replaced, and Reported clients. A table lists a single client entry: ID Number H0001, Name Maria Mercedes, Age 28, Type of Service Housemaid, and an Action button labeled 'View'.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. At the top right, there is a navigation bar with links for "Home", "Request", "My Client", and "Mateo Do". On the left, there is a sidebar with a user profile picture of a person smiling, followed by the name "Mateo Do". Below the profile are five buttons: "Profile", "My List", "Messages", "Notification", and "Logout". The main content area has a title "Replace Client" and a sub-section titled "Current Client". A table displays one row of data:

Employee Number	Name	Age	Type of Service	Action
D0002	Chris Hemsworth	30	Driver	<button>View</button> <button>Replace</button>

A screenshot of the same application interface, but with a modal dialog box overlaid. The dialog has a title "Replacement" and a sub-section titled "Reason/s:". It contains a large empty text input field and a "Submit" button at the bottom.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web application interface. On the left, there is a sidebar with a user profile picture of a man named Mateo Do and links for Profile, My List, Messages, Notification, and Logout. The main content area has a title "Replace Client". A modal window is open in the center, displaying a green checkmark icon and the message "Request successfully sent!". Below the message is a blue "OK" button. In the background, there is a table with columns "Employee Number" and "Name", showing entries D0002 and Maria Mercedes. There are "View" and "Replace" buttons at the bottom of the table row.

A screenshot of a web application interface. On the left, there is a sidebar with a user profile picture of a man named Mateo Do and links for Profile, My List, Messages, Notification, and Logout. The main content area has a title "Report Client". Below it, a section titled "Current Client" displays a table with one row. The table has columns "Employee Number", "Name", "Age", "Type of Service", and "Action". The data in the table is: Employee Number H0001, Name Maria Mercedes, Age 28, Type of Service Housemaid, Action with "View" and "Report" buttons. The "Report" button is highlighted with a red background.



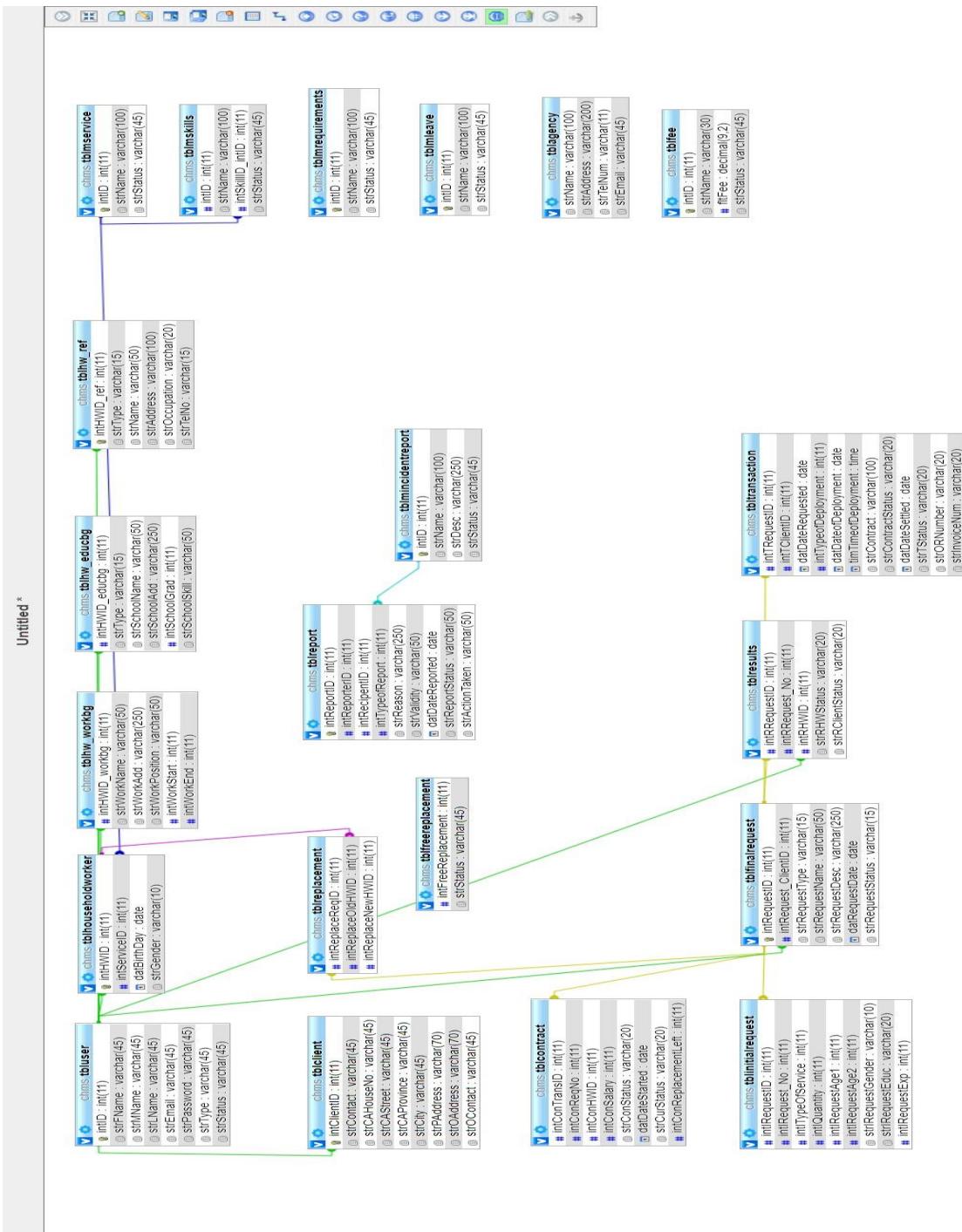
## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

A screenshot of a web-based application interface. At the top right, there is a navigation bar with links for "Home", "Request", "My Client", and "Mateo Do". On the left, a sidebar shows a profile picture of a person, the name "Mateo Do", and several menu items: "Profile", "My List", "Messages", "Notification", and "Logout". The main content area has a title "Report Client" and a sub-section "Report Client". A modal window titled "Report" is open, prompting the user to "Choose Type of Incident:" with a dropdown menu set to "Personal injury". Below this is a "Description:" field containing the text: "Behaviour involving physical force intended to hurt, damage, or kill someone or something,". There is also a "Reason/s:" field which is currently empty. At the bottom of the modal is a blue "Submit" button.



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.4. Database Schema





## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### 3.2.5. Data Dictionary

tblclient				
Field Name	Data Type	Field Size	Description	Example
intClientID	INT	11	ID number for the Client.	1
strContact	VARCHAR	45	Contact number of the Client.	9051234567
strCAHouseNo	VARCHAR	45	Current House Number of the Client.	66-1
strCAGStreet	VARCHAR	45	Current Street Address of the Client.	Paraiso St.
strCAProvince	VARCHAR	45	Current Province of the Client.	Mandaluyong City
strCity	VARCHAR	45	City Address of the Client.	Mandaluyong City
strPAddress	VARCHAR	45	Provincial Address of the Client.	none
strOAddress	VARCHAR	45	Office Address of the Client.	123 Sampaloc Manila
strOContact	VARCHAR	45	Office Contact number of the Client.	521-32-37
tblfinalrequest				
Field Name	Data Type	Field Size	Description	Example
intRequestID	INT	11	ID number of the final request.	1
intRequest_ClientID	INT	11	ID number of the final request of the client.	2
strRequestType	VARCHAR	15	Request type of the client.	driver
strRequestName	VARCHAR	50	Request name.	my list
strRequestDesc	VARCHAR	250	Request Description.	
datRequestDate	DATE		Request Date.	02/11/2018
strRequestStatus	VARCHAR	15	Status of the request.	on-going
tblhouseholdworker				
Field Name	Data Type	Field Size	Description	Example
intHWID	INT	11	ID number for the Household worker.	1
intServiceID	INT	11	ID number for the Service given.	6
datBirthDay	DATE		Birthday of the Household worker.	25/02/1996
strGender	VARCHAR	10	Gender of the Household worker.	Female
tblhw_educbg				
Field Name	Data Type	Field Size	Description	Example
intHWID_educbg	INT	11	ID number for the Household worker Educational Background.	1
strType	VARCHAR	15	Educational Degree of the HW.	College Degree
strSchoolName	VARCHAR	50	School name of the HW.	PUP
strSchoolAdd	VARCHAR	250	School address of the HW.	Manila
intSchoolGrad	INT	11	Year graduated.	2015
strSchoolSkill	VARCHAR	50	Skills learned in vocational school	electrician
tblhw_ref				
Field Name	Data Type	Field Size	Description	Example
intHWID_ref	INT	11	ID number for the HW reference contact person.	1
strType	VARCHAR	15	Relationship of the HW to the contact person.	Relative
strName	VARCHAR	50	Name of the reference contact person.	John Doe
strAddress	VARCHAR	100	Address of the reference contact person.	Manila
strOccupation	VARCHAR	20	Occupation of the reference contact person.	Accountant
strTelNo	VARCHAR	15	Contact number of the reference contact person.	123-45-67
tblhw_workbg				
Field Name	Data Type	Field Size	Description	Example
intHWID_workbg	INT	11	ID number for the HW work background.	6
strWorkName	VARCHAR	50	Designated work name.	Cook
strWorkAdd	VARCHAR	25	Designated work address.	Manila
strWorkPosition	VARCHAR	50	Designated work position.	housemaid
intWorkStart	INT	11	HW date started.	2015
intWorkEnd	INT	11	HW date ended.	2018



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

tblInitialrequest				
Field Name	Data Type	Field Size	Description	Example
intRequestID	INT	11	ID number of the request	1
intRequest_No	INT	11	Number of request of the client	1
intTypeOfService	INT	11	Type of service requested by the client	housemaid
intQuantity	INT	11	Number of household worker client requested	4
intRequestAge1	INT	11	Range age of Household worker	18 years old
intRequestAge2	INT	11	Range age of Household worker	37 years old
strRequestGender	VARCHAR	11	gender of the household worker requested	male
strRequestEduc	VARCHAR	20	educational background of the household worker requested	high school
intRequestExp	INT	11	household worker number of years experience	5 years

tblcity				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	ID number for the city.	1
strName	VARCHAR	100	Name of the city.	Caloocan
strStatus	VARCHAR	45	Status of the city.	Active

tblLeave				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	ID number for the leave.	1
strName	VARCHAR	100	Name or type of leave.	Vacation Leave
intDays	INT	11	Days on leave.	2
strStatus	VARCHAR	45	Status of the leave.	Active

tblRequirements				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	ID number for the requirements needed.	1
strName	VARCHAR	100	Name of the requirement.	NBI
strStatus	VARCHAR	45	Status or update of the requirement.	Inactive

tblService				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	ID number for the service.	1
strName	VARCHAR	100	Name or type of service.	Housemaid
strStatus	VARCHAR	45	Status of the service.	Active

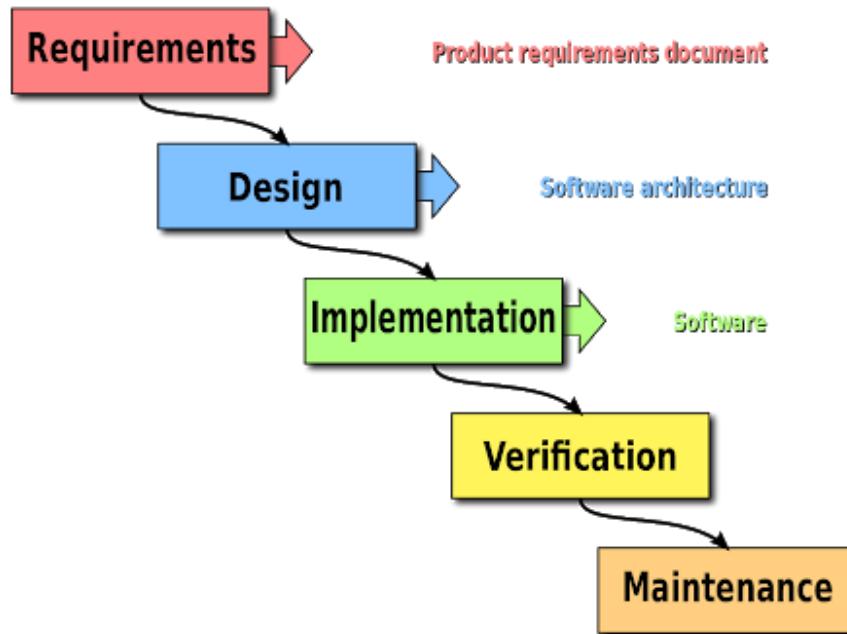
tblSkills				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	ID number of the skill.	2
strName	VARCHAR	100	Name of the skill.	Knows how to iron clothes
strStatus	VARCHAR	45	Status of the skill.	Inactive

tblResults				
Field Name	Data Type	Field Size	Description	Example
intRRequestID	INT	11	Initial Result of request ID	1
intRRequest_No	INT	11	Initial Result of Request Number	2
intRHWID	INT	11	Household worker ID number requested by the client.	3
strRHWStatus	VARCHAR	20	Household worker's Status.	approved
strRClientStatus	VARCHAR	20	Client's Status.	reject

tblUser				
Field Name	Data Type	Field Size	Description	Example
intID	INT	11	Unique number for all the users.	1
strFName	VARCHAR	45	First name of the user.	Hannah Iris
strMName	VARCHAR	45	Middle name of the user.	Garcia
strLName	VARCHAR	45	Last name of the user.	Cordero
strEmail	VARCHAR	45	Email address for the user.	<a href="mailto:hannah@xyz.com">hannah@xyz.com</a>
strPassword	VARCHAR	45	Password for the user.	hannahpass
strPicture	VARCHAR	45	Picture or profile of the user.	picture.jpg
strType	VARCHAR	45	The type of user (Client, Household worker or Admin)	Client
strStatus	VARCHAR	45	Status of the user.	Registered

### 3.3. DEVELOPMENT METHODOLOGY

#### 3.3.1. Process Model



The Waterfall Model was the first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. The Waterfall model is the earliest SDLC approach that was used for software development. The waterfall Model illustrates the software development process in a linear sequential flow. This means that any phase in the development process begins only if the previous phase is complete. In this waterfall model, the phases do not overlap. First of all, the proponents must create the project's objectives so that the goal will be clear to all team members, draw use case diagram and identify risk. More over this phase, concluding with the Objective milestone, focuses on establishing the project's scope and vision; that is, establishing the business feasibility of the effort and stabilizing the objectives of the project. Then elaboration phase or requirements phase, focuses on establishing the system's requirements and architecture; that is, establishing the technical feasibility of the effort and stabilizing the architecture of the system. It will push through where risk factors are addressed. Partial implementation



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which includes components which are architecturally significant and certain iterative releases are also part in this phase. Next is construction phase or implementation phase, where full implementation of the components planned in the collaboration phase will be initiated. It will undergo another series of iterations for the system to meet all requirements. The verification phase is the transition phase which focuses on completing transitioning or deployment of the system to the user community. Then after all of that, client implementation and maintenance also goes through.

### 3.3.2. Development Tools

#### **MySQL Workbench**

MySQL Workbench is a unified visual tool for database architects, developers, and DBAs. MySQL Workbench provides data modeling, SQL development, and comprehensive administration tools for server configuration, user administration, backup, and much more. MySQL Workbench gives developers a complete set of visual tools to create, edit, and manage SQL queries, database connections and objects. The visual SQL Editor lets developers build, edit and run queries, create and edit data, and view and export results.

The proponents used MySQL Workbench as their database server and to create an SQL queries, and Database connection needed by the system.

#### **Sublime Text 3**

Sublime Text is a versatile and fun text editor for code and prose that automates repetitive tasks so you can focus the important stuff. It works on OS X, Windows and Linux. Sublime Text is a proprietary cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and markup languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses.

The proponents used the Sublime Text 3 as code editor because Sublime Text is easy to used, it is clean for coding, functional, fast code editor and easy to install. Sublime Text 3 has



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low capacity in computer's memory. It can be run and installed smoothly in older versions of Windows and processors.

### Visual Studio Code

Visual Studio Code is a source code editor developed by Microsoft for Windows, Linux and macOS. It includes support for debugging, embedded Git control, syntax highlighting, intelligent code completion, snippets, and code refactoring. It is also customizable, so users can change the editor's theme, keyboard shortcuts, and preferences. It is free and open-source, although the official download is under a proprietary license.

The proponents also used the Visual Studio Code for editing and creating source code. it is also easy to used, clean, fast editor and functional but this editor is not compatible to the old model laptops unlike sublime text

### XAMPP

XAMPP is a very easy to install Apache Distribution for Linux, Solaris, Windows, and Mac OS X. The package includes the Apache web server, MySQL, PHP, Perl, a FTP server and phpMyAdmin.

The proponents used Xampp as their apache server. This local server works easily on your own desktop or laptop computer.

### 3.4. TEST METHODOLOGY/PROCEDURES

The proponents provide a test plan document during the planning of the project. Its purpose is to track if the system is working properly or not.

Testing techniques/plans will be used by the proponents in order for the system to produce accurate, reliable, and correct output. Some of these are:



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- **UNIT TESTING** is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. Unit testing can be done manually but is often automated.
- **SYSTEM TESTING** is a level of software testing where a complete and integrated software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.
- **INTEGRATION TESTING** is a level of software testing where individual units are combined and tested as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units. Test drivers and test stubs are used to assist in Integration Testing.
- **ACCEPTANCE TESTING** is a level of software testing where a system is tested for acceptability. The purpose of this test is to evaluate the system's compliance with the business requirements and assess whether it is acceptable for delivery.

Testing procedures will follow what is stated on the test plan, which are:

- In Unit Testing every small unit of the system that is completed it will be test immediately by the members of the team. It is done to make sure that all the small unit of the system is working.
- System testing is done when the whole project is complete. It is used to test the whole system specially the main process of the system.
- Integration testing is used to test the combined small unit of the system. Integration testing is performed to expose defects in the interfaces and in the interactions between integrated components or systems
- Acceptance testing will be done by the client and household worker. It is used to know if the developed system is ready to deploy or deliver to them.



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### 3.5. SYSTEM REQUIREMENTS

#### 3.5.1 Hardware Requirements

The Agency must have one working desktop computer to be used by the admin. And one laptop to be used by the staff.

Hardware Component	Specification
Processor	Intel i3 8130U
Installed memory (RAM)	At least 4gb
System Type	64-bit Operating System
Network	5mbps is minimum
Hard Disk Drive	1Tb (500gb is minimum)

#### 3.5.2 Software Requirements

Microsoft Windows 8 / 10	64-bit Operating System
Web Browser	Google Chrome, Mozilla Firefox, Internet Explorer, Microsoft Edge or Opera Mini
PDF Reader	Adobe Acrobat Reader or Google Chrome

#### 3.5.3 Peopleware

User	Description
ADMIN	The one who can manage the request of the client and household worker.
HOUSEHOLD WORKER	The who can control some features of the system and some of the request.
CLIENT	The who can control some features of the system and some of the request.



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**3.6. QUALITY PLAN** – (procedure and instrument that will be considered in assessing the quality of the system i.e. ISO 9126, FURPS, etc.)

**3.7. EVALUATION PLAN** - (specify schedule, procedure, and users for the evaluation of the system)



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### CHAPTER 4 – RESULTS AND DISCUSSION

The Client and Household Management System is Tested by ten (10) users. The admin side is tested by the staff and Officer in charge (OIC) of the agency. For the client side the proponents trained a four student around CCIS to test our system and also four students for the household worker side. We trained them how to use the system from creating an account to all the transactions of the system. After the users test the system, we gave them a survey questionnaires to evaluate the quality and sequence of activities of the system.

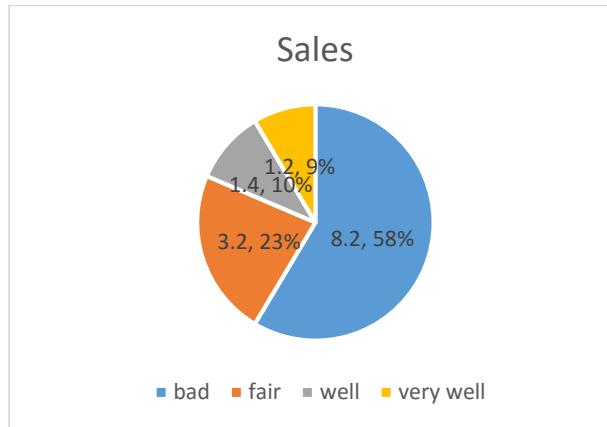
Here are the results of the survey:

#### FUNCTIONALITY- Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system does what is appropriate. (Adequacy)					
The Information system has all the functions required for its execution (Adequacy)					
The Information system is precise in its results (Accuracy)					
The Information system complies with standards, business rules, laws, etc. (Conformity)					
The Information system has secure access through passwords (Secure Access)					



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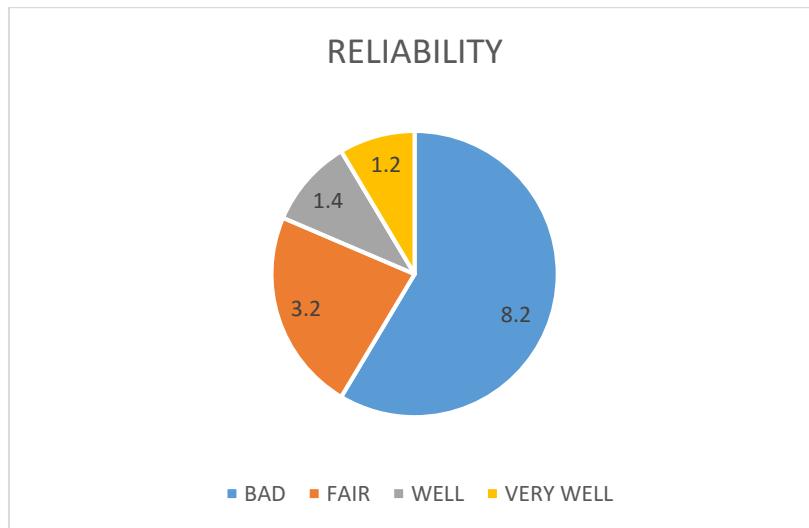


### RELIABILITY - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system has no frequent failures (Maturity)					
The Information system reacts appropriately when failure occurs (Fault Tolerance)					
The Information system informs users concerning invalid data entry (Fault Tolerance)					
The Information system is capable of recovering data in the event of failure (Recoverability)					
The information system can provide correct output all the time in all requested information without service interrupts (Maturity)					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

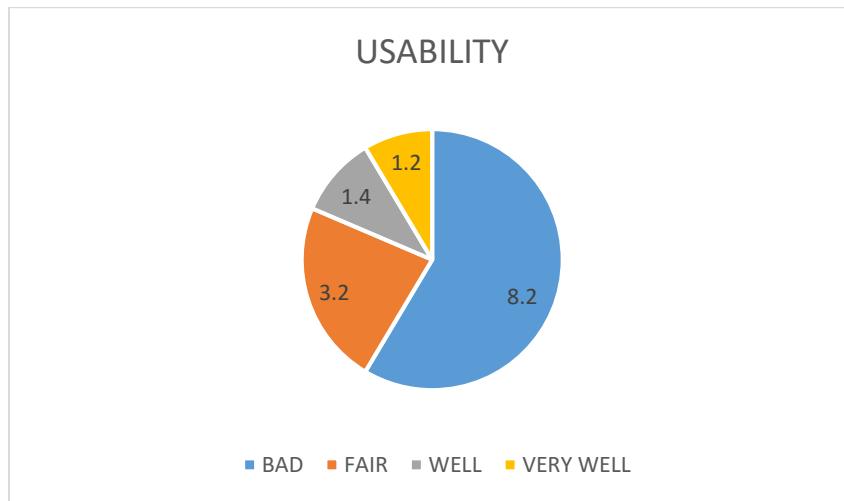


### USABILITY - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system is easy to understand the concept and application (Intelligibility)					
The Information system is easy to perform its functions (Intelligibility)					
The Information system is easy to learn how to use (Learnability)					
The Information system is easy to operate and control (Operability)					
The Information system provides help in a clear manner (Operability)					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

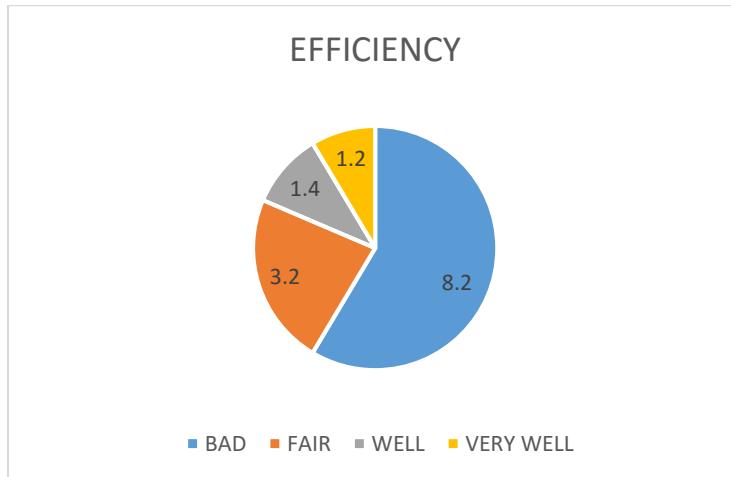


### EFFICIENCY - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system's response time is appropriate (Time)					
The Information system's execution time is appropriate (Time)					
The resources used by the Information system are appropriate (Resources)					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

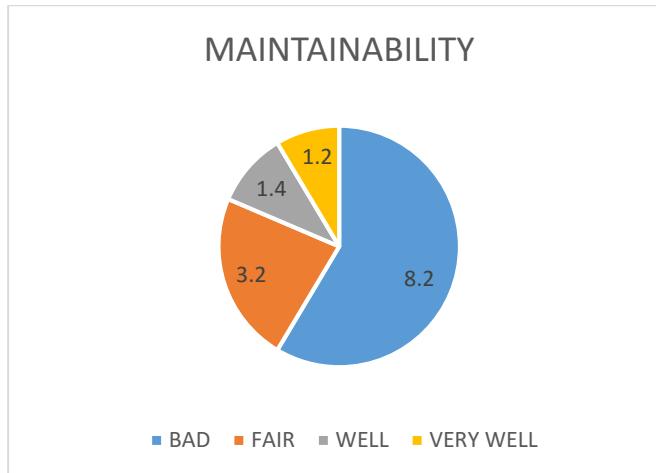


### MAINTAINABILITY - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
Changes are easy to test (Testability)					
The Information system is easy to find a failure, when it occurs (Analyzability)					
There is no great risk when changes are made (Stability)					
The Information system is easy to modify and adapt (Modifiability)					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

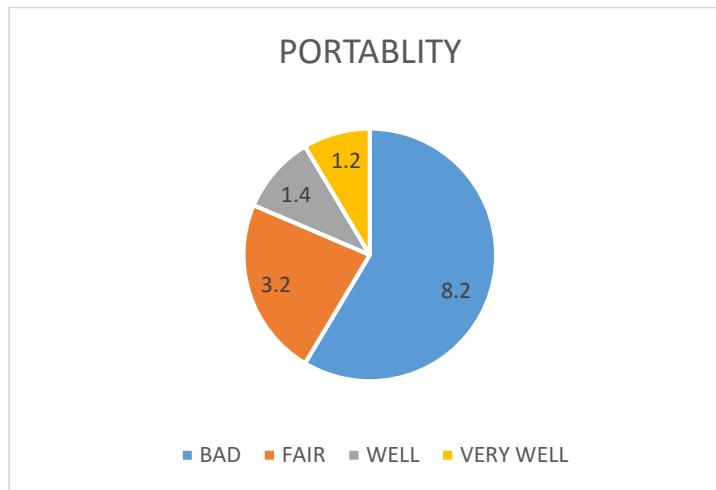


### PORATABILITY - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system is easy to adapt to other environments (Adaptability)					
The Information system is easy to install in other environments (Capacity to be installed)					
The Information system is in agreement with portability standards (Conformity)					
The Information system is easy to use to replace another program (Capacity to replace)					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

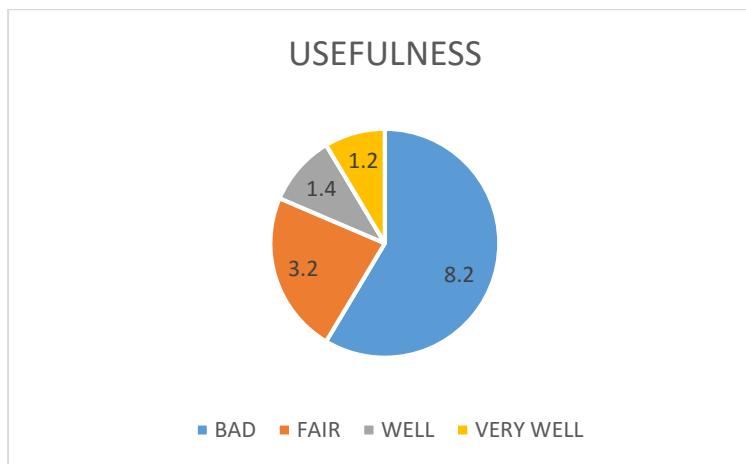


### USEFULNESS - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system helps me be more effective					
The Information system gives me more control over the activities in my life.					
The Information system makes the things I want to accomplish easier to get done.					
The Information system does everything I would expect it to do.					
The Information system meets my needs					
The Information system saves me time when I use it.					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

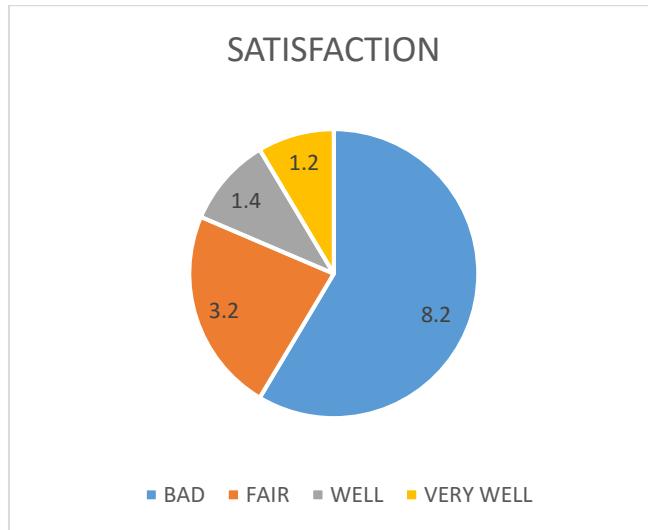


### SATISFACTION – Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
I am satisfied with the system.					
I would recommend the Information system.					
The Information system is fun to use.					
The Information system works the way I want it.					
The Information system is pleasant to use.					

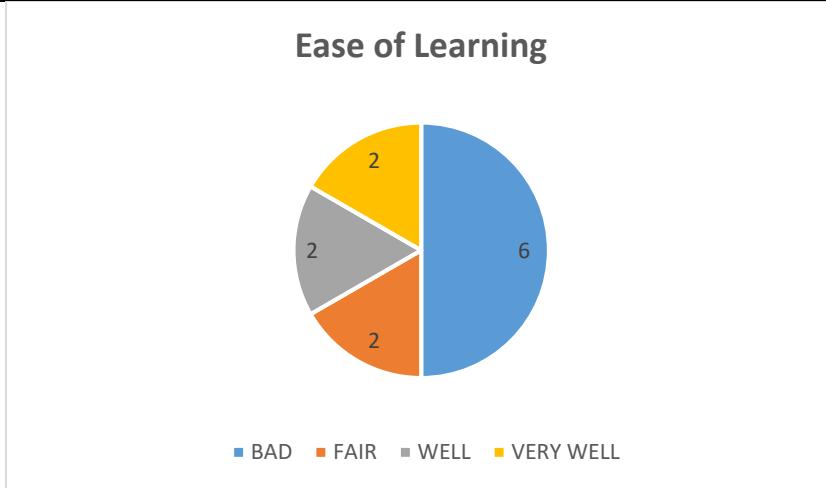


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES



### EASE OF LEARNING - Agreement

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
I learned to use the Information system quickly.					
I easily remember how to use the Information system					
I quickly became skillful with the Information system.					

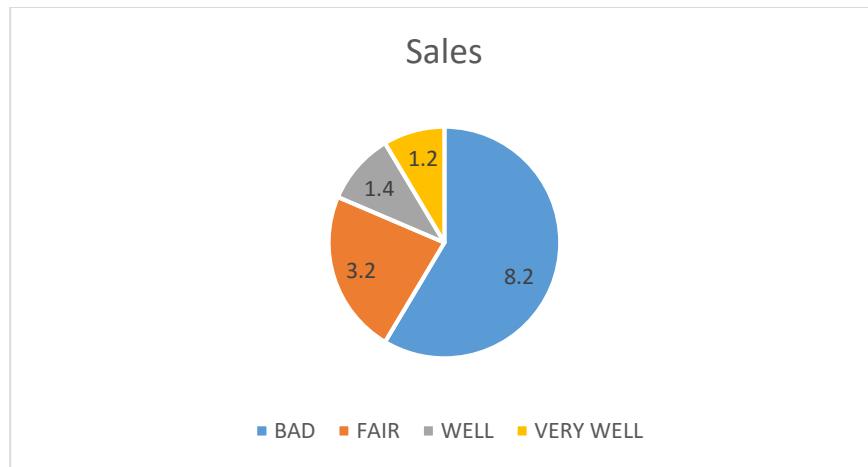




## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### FUNCTIONALITY – Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system does what is appropriate. (Adequacy)					
The Information system has all the functions required for its execution (Adequacy)					
The Information system is precise in its results (Accuracy)					
The Information system complies with standards, business rules, laws, etc. (Conformity)					
The Information system has secure access through passwords (Secure Access)					



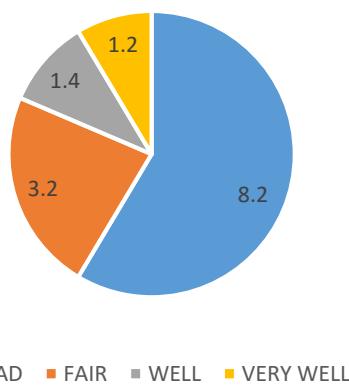


## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### RELIABILITY - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
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The Information system informs users concerning invalid data entry (Fault Tolerance)					
The Information system is capable of recovering data in the event of failure (Recoverability)					
The information system can provide correct output all the time in all requested information without service interrupts (Maturity)					

RELIABILITY

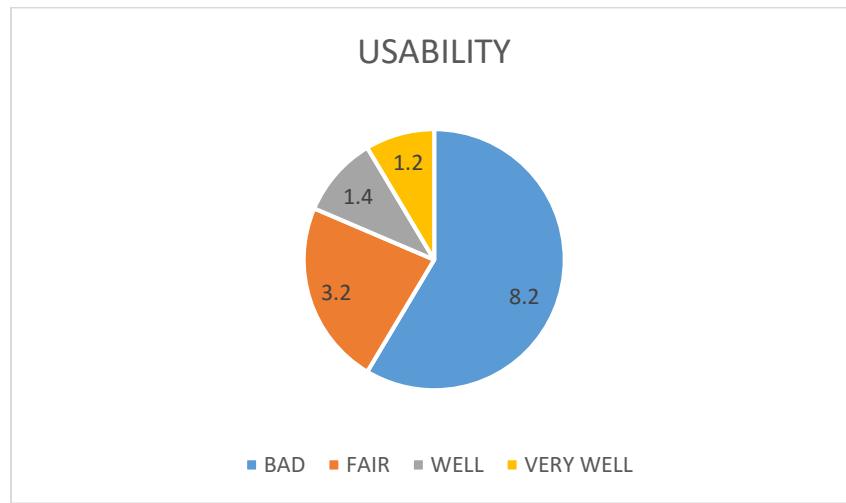




## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### USABILITY - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system is easy to understand the concept and application (Intelligibility)					
The Information system is easy to perform its functions (Intelligibility)					
The Information system is easy to learn how to use (Learnability)					
The Information system is easy to operate and control (Operability)					
The Information system provides help in a clear manner (Operability)					

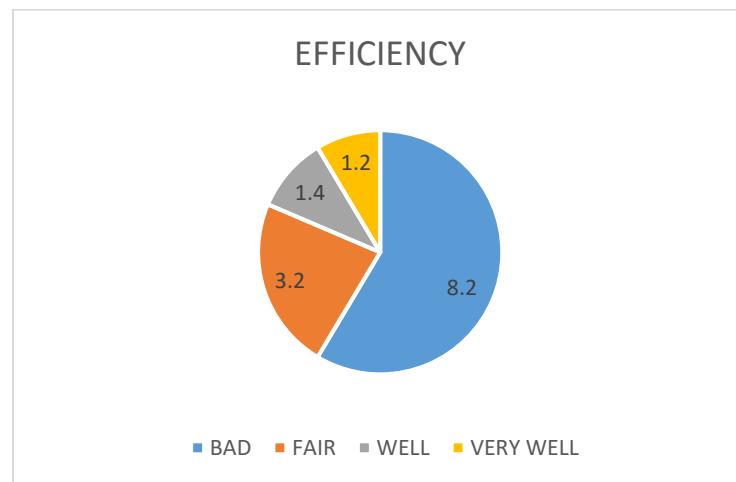




## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

### EFFICIENCY - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system's response time is appropriate (Time)					
The Information system's execution time is appropriate (Time)					
The resources used by the Information system are appropriate (Resources)					



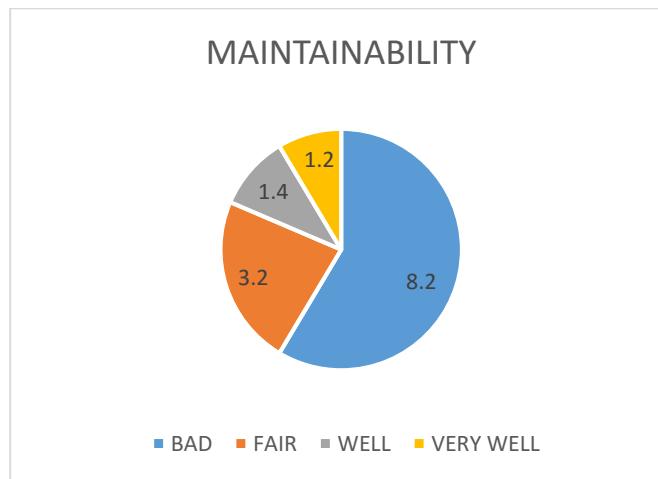
### MAINTAINABILITY - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
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## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

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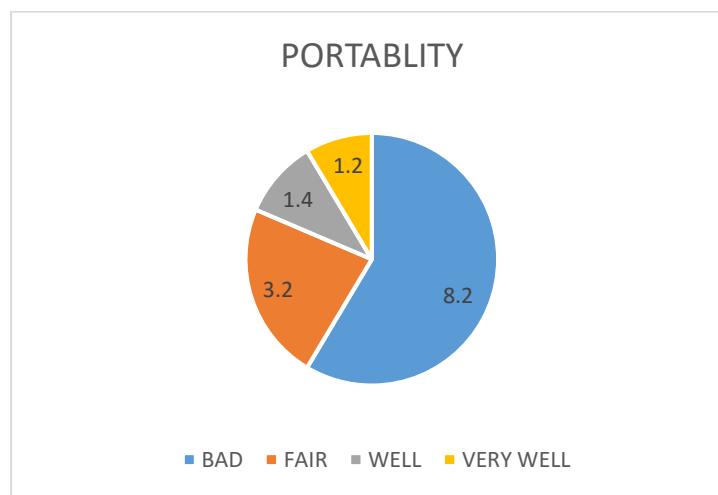
### PORATABILITY - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
The Information system is easy to adapt to other environments (Adaptability)					
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## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

The Information system is in agreement with portability standards (Conformity)					
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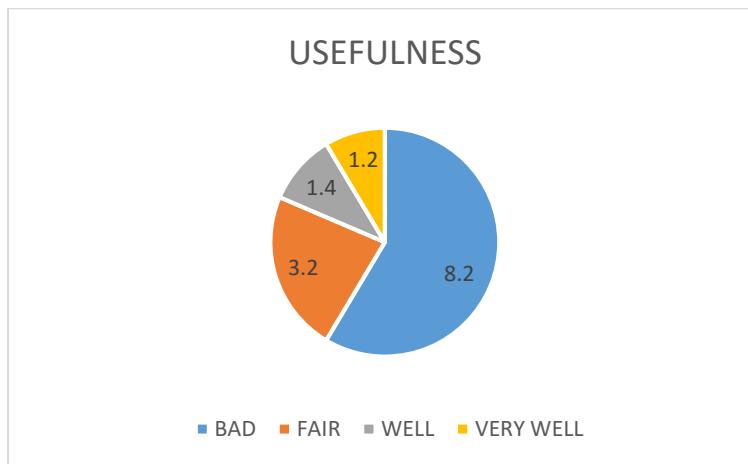
### USEFULNESS - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
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The Information system makes the things I want to accomplish easier to get done.					



## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

The Information system does everything I would expect it to do.					
The Information system meets my needs					
The Information system saves me time when I use it.					



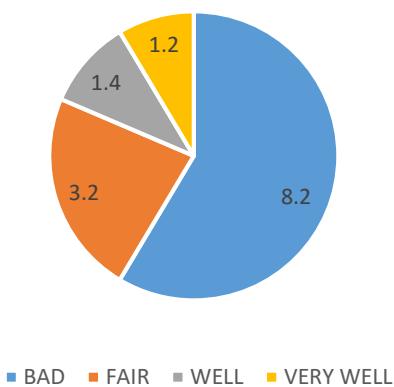
### SATISFACTION – Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
I am satisfied with the system.					
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## POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

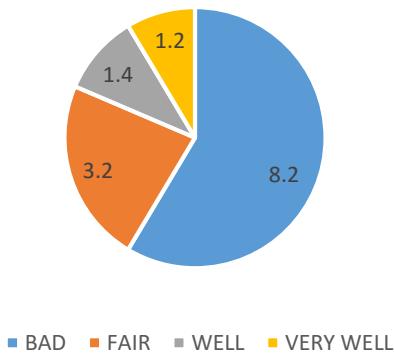
SATISFACTION



### EASE OF LEARNING - Acceptability

Statement	Strongly agree	agree	fair	disagree	Strongly disagree
I learned to use the Information system quickly.					
I easily remember how to use the Information system					
I quickly became skillful with the Information system.					

EASE OF LEARNING





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The team used a percentage method to know the result of the responses of the respondents on the functionality, reliability, usability, efficiency, maintainability, portability, usefulness, satisfaction, and ease of learning of the system.

Formula: 
$$P = \frac{f}{n} \times 100$$

Where: P = percentage

F = number of response

N = total number of respondents

The Likert Scale is a 5 or 7- point scale that offers a range of answer options from one extreme attitude to another, like “extremely likely to not at all likely. The team used this method to measure the level of agreement of the respondents who used the Client and Household worker Management System

Points	Scale	Verbal Interpretation
1	1.0 – 1.99	Strongly Disagree
2	2.0 – 2.99	Disagree
3	3.0 – 3.99	Fair
4	4.0 – 4.5	Agree
5	4.6 – 5.0	Strongly agree

Formula: 
$$\bar{x} = \frac{\Sigma wx}{N}$$

Where: W = points(5,4,3,2,1)

X = number of respondents

N= total of respondents



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### CHAPTER 5 – CONCLUSIONS AND RECOMMENDATIONS

(provides conclusion based on results of evaluation and recommendation to future developers)



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### APPENDICES

Pictures on data gathering and investigation (i.e. floor plan, layout, building, etc.)

One-page CV per team member

Source code

Evaluation tool/ test documents

Users guide

Test results

Sample generated outputs