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I. Abstract/Overview

1. Introduction

Barangay is the smallest unit of the local government. As stated in the Batas Pambansa BLG. 337- An act enacting a local government Sec. 81. Role of Barangays - As the basic political unit, the barangay serves as the primary planning and implementing unit of government programs, projects and activities, and as a forum in which the collective views of the people in the community may be crystalized and considered.

Barangay 599 Zone 59 is a barangay in District VI located in Sta. Mesa, Manila. Hon. Salvador C. Onanad, the currently elected barangay chairman has 9 barangay officials under his administration with 36 appointees. The barangay provides services to accommodate the needs of their constituents such as requesting of documents and borrowing of items. As long as the requirements are complete, residents can request barangay clearance, business clearance, certificate of indigency, medical assistance, job recommendation and barangay ID. Borrowing of items can be possible depending on the availability of the requested item/s and if the borrower is a bona fide resident of the barangay.

The barangay currently has 2 computers used for printing reports and documents, an internet connection, and logbooks for recording different transactions inside the barangay. The barangay utilizes its existing resources for storing and retrieving records one at a time which yields to slow retrieving of records. The residents' profiles are compiled and stored in an excel file and monitoring of residents is done manually.

The proposed system will address the following problems encountered by Barangay 599 Zone 59:

- Unreliable list of residents reports.
- Delayed release of requested documents.

2. Business Case

2.1 Project Goal

This project aims to:

- Improve the monitoring of the requested documents and reservation of items and facilities.
- Provide accurate and reliable list based on residents' profile of qualified participants in every barangay event.
- Produce accurate profile of resident.
- Reduce bundle of paper works.

2.2 Project Objective

- Produce meaningful and reliable reports
- Provide a smooth barangay transaction services to the residents

2.3 Assumptions

The assumptions for this project are as follows:

- Staff of the barangay are willing to be train for using the system.
- System contribute to client's success.
- If error occurs in the system, there will be an option of solutions.
- All data from the system are reliable and complete.
- The system is easy to use and understand.
- The system helps to prevent loss of data or records from the client.
- Project will be completed on time.

2.4 Constraints

The constraints for this project are as follows:

Politics

Barangay officials are dynamically changing due to election in local government which does guarantee that next officials may not be in favor in using the system in barangay transactions.

Budget

Limited budget in purchasing new computers and paying hosting site for website because of small allocation of fund to barangay office, which results to prioritizing projects that will serve and help barangay residents more than what the system can do.

Team

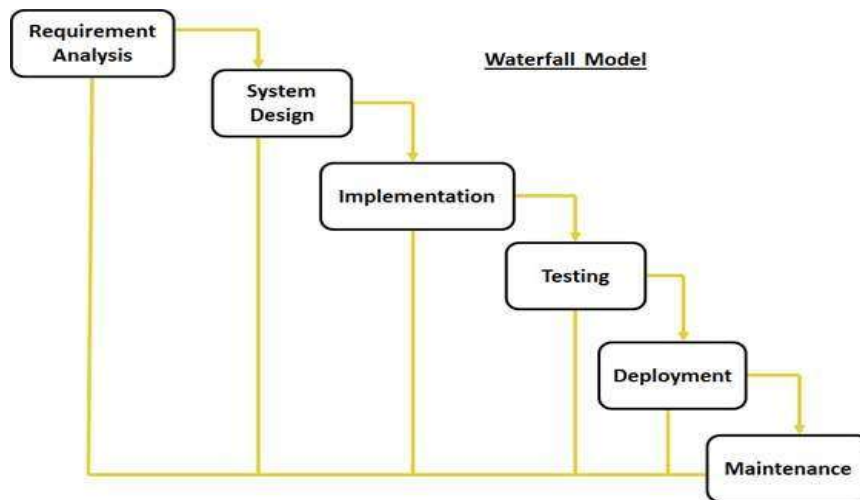
Team constraint if not all residents are willing to use the system and if not all barangay officials are committed to use the system in every transaction

3. Methods Used in the Study

The methods used by the project team in the study are Interview and Waterfall Model.

Firstly, the project team used the Interview method, specifically the Group Interview where the project team asks questions to our client personally about their problems, processes, and requirements happening in their barangay in order for the project team to know the flow of the system that must be done.

Second, the Waterfall model as part of the System Development Life Cycle (SDLC) where it is appropriate for the project team to use because its development method is easy to manage because each phase has a specific goal that should be understood properly for it to be completed. As in the planning phase where we define what must be done, not be done and how it should be done in its process.



Phases of Waterfall Mode

Chapter 2 Functional Specification Report

1. Current IT Environment/ Infrastructure

1.1 Hardware Specifications

Hardware	Quantity
Desktop Computer	2
Printer	1
Photocopier Machine	1
External Hard Disk Drive	1

Hardware	Specifications/ Brand
Processor	Pentium Dual Core CPU E66000 @ 3.06GHz (2 CPUs)
Random Access Memory	2.0 GB RAM
External Hard Disk Drive	1 TB Seagate
Printer	Epson Printer
Photocopier Machine	Brother

- Desktop computer is used for storing data such as document layouts, reports, etc.
- Printer is used for printing documents and reports.
- External Hard Drive is used for back up of documents.

1.2 Software Specifications

Software	Specifications/ Brand
Operating System	Windows 7 Professional SP1
Productivity tools	Microsoft Office 2007 <ul style="list-style-type: none"> • MS Word 2007 • MS Excel 2007
Internet Browser	Google Chrome Internet Explorer

1.3 Network Architecture

Computers in barangay are not linked together, use of external storage like flash drives to transfer one file to other computer.

1.4 Manpower

The barangay 599 zone 59 is consist of a Barangay Chairman with his 7 committee members, each member in the committee has given a specific day in a week to manage the daily transaction in the barangay like requesting of documents. A secretary who is in-charge of keeping barangay files, appointing schedules and producing reports to be read and analyze by the barangay chairman, a treasurer who keep tracks of barangay financial status and 16 barangay tanod to watch and guard that all the residents in the barangay are following the rules given by the barangay. Also, each purok in the barangay contain a leader (puro leader) that lead and raise issue concerning their purok.

1.5 Backup and Recovery Procedure

Backup and recovery procedure of barangay 599 is done through recording data from logbooks or forms, type it to MS word or MS Excel, saved to computer and to an external hard disk which is not recoverable in case of physical hard disk damage or lost. In requesting document, each request form kept in the barangay after every transaction, in case a company or organization wants a confirmation that a certain resident in the barangay really request a document, the official assigned manually scan the pile request form.

2. Data Requirements

2.1 Forms

2.1.1 List and Description of forms

Form No.	Name	Description	Origin
1	Document Request Form	This form is required for the requesting of documents.	Barangay
2	Household Profile Questionnaire	This form is given to every resident in the barangay used in gathering residents' profile.	Barangay
3	Borrowing of Items Logbook	This serve as the record for borrowing items.	Barangay

2.1.2 Layout of forms

2.1.2.1 Document Request Form

Barangay 599 Zone 59			
REQUEST FORM		DATE: _____	
NAME: _____			
First Name	Middle Name	Last Name	
ADDRESS: _____			
Birth Date: _____		Birth Place: _____	
AGE: _____	HEIGHT: _____	WEIGHT: _____	
SSS NO.: _____		TIN NO.: _____	
CIVIL STATUS (Pls. check) _____ SINGLE _____ SEPARATED			
_____ MARRIED _____ WIDOW			
CONTACT NO.: _____ CP OR LANDLINE			
PERIOD OF RESIDENCY: _____ as _____ OWN ER			
_____ LIVING W/ RELATIVE			
_____ CARETAKER			
_____ BOARDER/RENTER			
****IF RENTER/BOARDER: NAME OF HOUSE OWNER _____			
****IN CASE OF EMERGENCY NOTIFY			
NAME: _____			
ADDRESS: _____			
CONTACT: _____			
****IF REGISTERED VOTERS PRECINCT# _____			

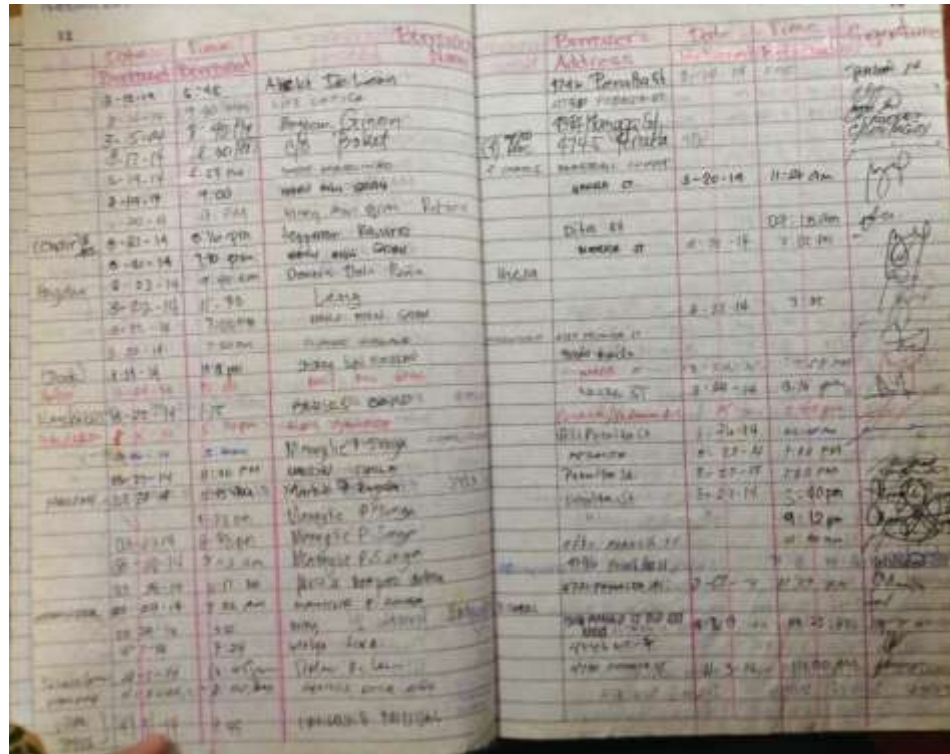
REQUEST FOR: (Please Check)	
Barangay Clearance/Certification (regular clearance)	Php 20.00 PURPOSE
(for LOAN Purpose)	50.00
Certificate of Indigency	NONE
Certificate to file action	100.00
Business Clearance	
(for capital 10,000 below)	300.00
(for capital 10,000-100,000)	500.00
(for capital 100,000-above)	1,000.00
Business Name: _____	
Barangay ID	10.00
Medical Assistance/Senior Citizen	NONE
Referral Recommendation	20.00
Filing Fee	30.00
I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.	
_____ (Signature over printed name)	

CLAIM STATUS	
REQUESTING PARTY: _____	
AMOUNT RECEIVED: _____ BY: _____	
TO BE BACK ON: _____ TIME: _____	
NOTE:	
REQUEST DOCUMENTS ARE RELEASED WITHIN 3-5 DAYS, DEPENDING ON THE TYPE OF REQUEST AND AVAILABILITY OF THE SENATORIES.	
THANK YOU FOR YOUR UNDERSTANDING	

2.1.2.2 Household Profile Questionnaire

(See pages 22-30)

2.1.2.3 Borrowing of Items Logbook



2.2 Reports

2.2.1 List and Description of reports

ReportNo.	Name	Description	Destination
1	Master list of Childern (0-59 mos)	List of 0-59 months old residents of the barangay.	Barangay, Government Agencies/NGOs
2	Master list of Residents	A list containing all the residents of the barangay	Barangay
3	Barangay Certificate	A document that certifies if the resident is a bone fide resident of the barangay	Resident
4	Barangay Permit	A document that authorizes an activity within the barangay	Resident

5	Business Clearance	A document that certifies if the business is legal and does not violates any barangay ordinance.	Resident/ Owner
6	Business Permit	A document that authorizes a business within the barangay	Resident/ Owner
7	Certificate of Indigency	A document that certifies that a resident has no fix source of income and belongs to an indigent family.	Resident
8	Certificate of File Action	A document for complaints.	Resident
9	Barangay ID	Identification card issued by the barangay	Resident
10	Clearance Monitoring List	Summary list of all issued barangay and business clearance	Barangay


2.2.2 Layout of reports

2.2.2.1 Master list of Children (0-59 mos)

MASTERLIST OF CHILDREN 0-59 MONTHS OLD (NEW BORN-LESS THAN 5 YEARS OLD)
Month of July, 2014
BARANGAY 599 ZONE 59

	SURNAME	FIRST NAME	MIDDLE NAME	AGE	BIRTHDATE	GENDER	MOTHER	ADDRESS
1	Abcede	Adrianne		9 months	02/11/2013	male	Abcede, Mary Ann L.	4745 Peralta St. OSM
2	Abetria	Ranae Margarette	Sardea	4	29/10/2010	female	Abetria, Maricel Sardea	4844 Narra St. OSM
3	Abetria	Chloe Grace	Sardea	2	27/04/2012	female	Abetria, Maricel Sardea	4844 Narra St. OSM
4	Abiong	Alexander	Manual	4	29/03/2010	male	Manual, Angeline	4844 Narra St. OSM
5	Abiong	Princess Nelthea	Manual	1	25/11/2013	female	Manual, Angeline	4844 Narra St. OSM
6	Adaro	Justin	Manceras	5	18/07/2009	male	Manceras, Jane Lorna	4745 Peralta St. OSM
7	Adaro	Rhian Joyce		2	26/03/2012	female	Laureta, Riza	4844 Anahaw St. OSM
8	Adaro	John Michael		3	15/11/2011	male	Laureta, Riza	4844 Anahaw St. OSM
9	Adriatico	Kryzia Maine	Redston	2	11/09/2012	female	Matoto, Chairmaine	4844 Sampaloc St. OSM
10	Aguillos	Chloe Mae		3	19/05/2011	female	Aguillos, Merife	4746 Peralta Int. St. OSM
11	Albano	Czyree Alexi	Obnimaga	1	02/04/2014	female	Albano, Junavel	4844 Narra St. OSM
12	Albo	Kurt Daniel		3	03/08/2011	male	Lataza, Mari-Ann	4745 Peralta St. OSM
13	Albo	Khate Dharell		1	10/03/2013	female	Lataza, Mari-Ann	4745 Peralta St. OSM
14	Alcoy	Zia		1.2		female	Alcoy, Rowena	4844 Narra St. OSM
15	Alicaway	Mark Ecycle		4	09/09/2009	male	Alicaway, Lady Anne	4746 Peralta Int. St. OSM
16	Alicaway	Prince Wyne		2	06/10/2011	male	Alicaway, Lady Anne	4746 Peralta Int. St. OSM
17	Almosara	Keith Yuri		3	08/03/2011		Almosara, Ana	4731 Peralta St. OSM
18	Amistad	Amir		1	16/06/2013	male	Amistad, Prince	4746 Peralta Int. St. OSM
19	Anape	Carli Finea		1	24/09/2013	female	Anape, Christine Joy	4746 Peralta Int. St. OSM
20	Andrade	Chase Zachary		4	03/09/2010	female	Santos, Maricar	4746 Peralta Int. St. OSM
21	Arcilla	Lhianne		3	20/12/2010	female	Arcilla, Evelyn	4745 Peralta St. OSM
22	Aviso	Bralinalyn Jezenalah	Viloria	2	09/11/2012	female	Viloria, Rinalyn	4844 Sampaloc St. OSM
23	Azur	John Zyriel		1	17/01/2013	male	Pasinabo, Rosalie	4745 Peralta St. OSM
24	Badajos	Christin Paula		5	05/03/2008	female	Jumawan, Ma. Vicky	4844 Anahaw St. OSM
25	Badajos	Seiya Kyile		1	13/11/2012	female	Jumawan, Ma. Vicky	4844 Anahaw St. OSM
26	Balintong	Princess Jewel	Suarez	2	24/02/2012	female	Suarez, Eleonor	4844 Narra St. OSM
27	Baliuag	Raigne		3	26/08/2011	male	Baliuag, Rodelyn	4844 Narra St. OSM

2.2.2.3 Barangay Certificate



REPUBLIC OF THE PHILIPPINES
National Capital Region
District 6 Manila
BARANGAY 599 ZONE 59
 09432817250/ 7163543



BARANGAY 599 ZONE 59
DISTRICT VI MANILA

Office of the Sangguniang Barangay


KAGAWADS



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Jose Mito Lacatan
 Rules and Ethics
 09433480393



Honorable
Benjamin Macalino
 Appropriation Ways
 and Means
 35481126



Honorable
Josefina dela Serna
 Women and Family
 09275270115



Honorable
Nelson Labrador
 Disaster Risk Reduction
 Management
 09174320300



Honorable
Florante Bonagua
 Peace and Order
 09982574059




Honorable
Blazildo Peralta
 Health and
 Environment/ PWD
 09081574602



Honorable
Imelda Padilla
 Sports and Youth
 09205139908



Marivic Villareal
 Secretary
 09159045296



Josefina de Leon
 Treasurer
 09268300277

BARANGAY CERTIFICATE

To whom it may concern:


This is to certify that **ELMABETH L. MOLDEZ**, of legal age, is a bona-fide resident of this barangay with postal address at 4730 Peralta St. Old Sta. Mesa, Manila.

He / She presently do not have any pending case of any kind in our barangay records.

This certification is being issued upon the request of **ELMABETH L. MOLDEZ** for Capital Assistance Program (CAP) purpose only.

Issued this 28th day of January, year 2016 at Barangay 599, Zone 59, District VI, City of Manila.

Certified by:



SALVADOR C. ONANAD
 Barangay Captain


BLAZILDO D. PERALTA
 Kagawad on Duty

Prepared by:

MARIVIC M. VILLAREAL
 Barangay Secretary

"Serbisang Tapat at Sapat Para sa Lahat"


Not Valid Without Seal




Republic of the Philippines
National Capital Region
District 6 Manila

BARANGAY 599 ZONE 59
09432817250/ 7163543


Office of the Sangguniang Barangay




KAGAWADS




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Jose Milo Lacatan
Rules and Ethics
09433486393




Honorable
Benjamin Macalino
Appropriation Ways
and Means
35485126




Honorable
Josefina dela Serna
Women and Family
09275270115




Honorable
Nelson Labrador
Disaster Risk Reduction
Management
09174320300




Honorable
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Peace and Order
09982574059




Honorable
Blasido Peralta
Health and
Environment/ PWD
09081674602



Honorable
Imelda Padilla
Sports and Youth
09205159908



Honorable
Marivic Villareal
Secretary
09159045296



Honorable
Josefina de Leon
Treasurer
09268300277

BARANGAY PERMIT

To whom it may concern:

This office interposes no objection and hereby authorized MR. ALDO L. DE LEON to undertake repair work for their house renovation and other necessary activities along 4722 Sarmiento St. V. Mesa Sta. Mesa, Manila. The said location is within the jurisdiction of this barangay.

Any damages by reason or incident to the performance of a above-mentioned work will be suffered by MR. ALDO L. DE LEON to any person or property owner.

Issued this 28th day of January, 2016 at Barangay 599, Zone 59, District VI, Manila.

Certified by:

SALVADOR C. ONANAD
Barangay Captain

599

Prepared by:


MARIVIC M. VILLAREAL
Barangay Secretary

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2.2.2.4 Barangay Permit


2.2.5 Business Clearance




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09433486393




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Appropriation Ways
and Means
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Honorable
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Women and Family
09275270115




Honorable
Nelson Labrador
Disaster Risk Reduction
Management
09174320300




Honorable
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Peace and Order
09982574059




Honorable
Blasido Peralta
Health and
Environment/ PWD
09081674602



Honorable
Imelda Padilla
Sports and Youth
09205159908



Honorable
Marivic Villareal
Secretary
09159045296



Honorable
Josefina de Leon
Treasurer
09268300277

Business Clearance

This is to certify that

LOLITA G. BINGHOY
Is the owner of

Ellyza Sari-Sari Store
with business address at 4745 Peralta St. V. Mesa Sta. Mesa, Manila.

This further certifies that **Ellyza Sari-Sari Store** is not erected on the public sidewalk, avenue park, or plaza, or any government property neither nuisance to public safety and order. That there was no abuse or privilege to do business or pursue an activity to the injury of the public moral and peace.

This certification is being issued upon the request of **LOLITA G. BINGHOY** for the application of business permit, subject to all regulations prescribed by the City Government. This certification is valid only for one year from the date of issuance.

Issued this 28th day of January, year 2016, at Barangay 599, Zone 59, District VI, Manila.

Certified by:

SALVADOR C. ONANAD
Barangay Captain

599

Prepared by:



MARIVIC M. VILLAREAL
Barangay Secretary



BCN: 028-16

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2.2.2.6 Business Permit

 <p>Republic of the Philippines National Capital Region District 6 Manila</p> <p>BARANGAY 599 ZONE 59 09432817250/ 7163543</p> <p>Office of the Sangguniang Barangay</p>		
<p>KAGAWADS</p> <p>Honorable Jose Mito Lacatan Rules and Ethics 09433480393</p> <p>Honorable Benjamin Macalino Appropriation Ways and Means 35481126</p> <p>Honorable Josefina dela Serna Women and Family 09275270115</p> <p>Honorable Nelson Labrador Disaster Risk Reduction Management 09174320300</p> <p>Honorable Florante Bonagua Peace and Order 09982574059</p> <p>Honorable Blezido Peralta Health and Environment/ PWD 09081674602</p> <p>Honorable Imelda Padilla Sports and Youth 09205158908</p> <p>Marivic Villareal Secretary 09159045296</p> <p>Josefina de Leon Treasurer 09268300277</p>		
<p>BARANGAY PERMIT</p> <p>To whom it may concern:</p> <p>This office interposes no objection and hereby authorized PHILUX UBINS LTD. CORP., a Converge ICT Solution Inc. an accredited contractor of Metropolitan Manila Development Authority (MMDA) to undertake excavation works and other necessary activities for the installation of <u>Fiber Optic Cables</u> as part of improvement/upgrading of existing network for MMDA's CCTV cameras and traffic signal lights of which said Fiber Optic Cable installation is located along Old Sta. Mesa. The said location is within the jurisdiction of this barangay.</p> <p>Any damages by reason or incident to the performance of above-mentioned work will be suffered by PHILUX UBINS LTD. CORP., a Converge ICT Solution Inc. to any person or property owner.</p> <p>Issued this 16th day of May, 2015 at Barangay 599, Zone 59, District VI, Manila.</p> <p>Certified by:</p> <p>SALVADOR C. ONANAD Barangay Captain</p> <p>Imelda G. Padilla Kagawad on Duty</p> <p>Prepared by:</p> <p>MARIVIC M. VILLAREAL Barangay Secretary</p> <p>"Serbisong Tapat at Sapat Para sa Lahat"</p> <p>Not Valid Without Seal</p>		

 <p>Republic of the Philippines National Capital Region District 6 Manila</p> <p>BARANGAY 599 ZONE 59 09432817250/ 7163543</p> <p>Office of the Sangguniang Barangay</p>		
<p>KAGAWADS</p> <p>Honorable Jose Mito Lacatan Rules and Ethics 09433480393</p> <p>Honorable Benjamin Macalino Appropriation Ways and Means 35481126</p> <p>Honorable Josefina dela Serna Women and Family 09275270115</p> <p>Honorable Nelson Labrador Disaster Risk Reduction Management 09174320300</p> <p>Honorable Florante Bonagua Peace and Order 09982574059</p> <p>Honorable Blezido Peralta Health and Environment/ PWD 09081674602</p> <p>Honorable Imelda Padilla Sports and Youth 09205158908</p> <p>Marivic Villareal Secretary 09159045296</p> <p>Josefina de Leon Treasurer 09268300277</p>		
<p>CERTIFICATE OF INDIGENCY</p> <p>To whom it may concern:</p> <p>This is to certify that FEUDIANO MALLUBAY CUSTODIO, is the guardian/ father of MA. ANTONETTE C. CUSTODIO, of legal age, is a bona-fide resident of this barangay with postal address at 4844 Baguio St. Old Sta. Mesa Manila.</p> <p>This further certifies that FEUDIANO M. CUSTODIO has no fix source of income and belongs to an indigent family.</p> <p>This certification is being issued upon the request of FEUDIANO M. CUSTODIO for <u>Educational Assistance Program (EAP)</u> purpose only.</p> <p>Issued this 29th day of January, 2016 at Barangay 599, Zone 59, District VI, Manila.</p> <p>Certified by:</p> <p>SALVADOR C. ONANAD Barangay Chairman</p> <p>BLEZIDO D. PERALTA Kagawad on Duty</p> <p>Prepared by:</p> <p>MARIVIC M. VILLAREAL Barangay Secretary</p> <p>"Serbisong Tapat at Sapat Para sa Lahat"</p> <p>Not Valid Without Seal</p>		

2.2.2.7 Certificate of Indigency




PUNONG BARANGAY
SALVADOR C. ONANAD

Republic of the Philippines
National Capital Region
District 6 Manila


BARANGAY 599 ZONE 59
09432817250/ 7163543

Office of the Sangguniang Barangay




BARANGAY 599 ZONE 59
DISTRICT VI MANILA


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Appropriation Ways
and Means
35461326




Honorable
Josefina dela Serna
Women and Family
09275270315




Honorable
Nelson Labrador
Disaster Risk Reduction
Management
09174320300




Honorable
Florante Bonagua
Peace and Order
09982574058




Honorable
Blecido Paralta
Health and
Environment/ PWD
09081674602



Honorable
Imelda Padilla
Sports and Youth
09205159908



Honorable
Marivic Villareal
Secretary
09199045296



Honorable
Josefina de Leon
Treasurer
09268300277

Barangay Case #599-09-15

SALVADOR C. ONANAD
Complainant

JESSE ABIVER
Respondent

CERTIFICATE TO FILE ACTION

This is to certify that:

1. There has been a personal confrontation between the parties before the Punong Barangay, but mediation failed;
2. The Punong Barangay set the meeting of the parties for the constitution of the Pangkat ng Tagapagkasundo;
3. The Pangkat ng Tagapagkasundo was constituted and again mediation failed.

Therefore, the corresponding complaint for the dispute may now be filed in court.

This 22nd day of January, 2016

Certified by:

SALVADOR C. ONANAD
Punong Barangay

Prepared by:


MARIVIC M. VILLAREAL
Barangay Secretary

"Serbisyon Tapat at Sapat Para sa Lahat"

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2.2.2.8 Certificate of File Action

2.2.2.9 Barangay ID




LUNGSOD NG MANILA
PS. 891145

Republic of the Philippines
City of Manila

Barangay _____ Zone _____

District VI



BARANGAY IDENTIFICATION CARD

ID No. _____

This is to certify that

PICTURE
1 X 1

Name _____

Address: _____

Signature _____

MARIVIC M. VILLAREAL
SECRETARY

SALVADOR C. ONANAD
BARANGAY CHAIRMAN

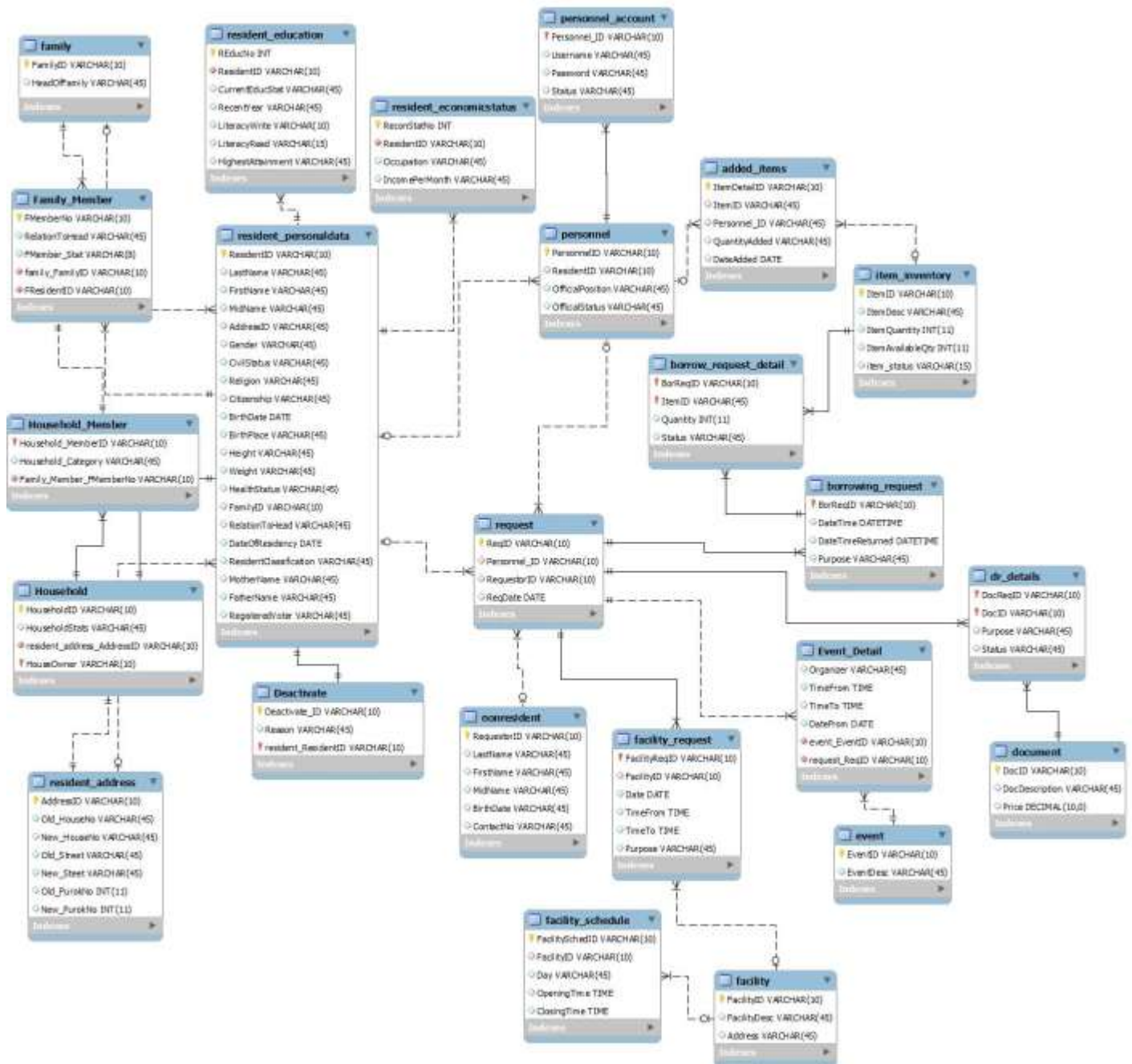
2.2.2.10 Barangay Clearance/ Certification Monitoring List

BARANGAY CLEARANCE/CERTIFICATION

1ST QUARTER

	CONTROL NO.	NAME	ADDRESS	DATE REQUESTED	DATE ISSUED	DATE CLAIMED	REMARKS	DATE PAYMENT	KINDS OF CLEARANCE
1)	001-15	Merinda Yasa	4745						
2)	002-15	Rey Boni Perante	4731 Peralta St. Sta. Mesa, Mla.	03/01/2015	03/01/2015	03/01/2015	paid (P 20.00)	03/01/2015	BC
3)	003-15	Ireneo Mecayer Prelligera II	4731 Peralta St. Sta. Mesa, Mla.	02/01/2015	03/01/2015	03/01/2015	no payment		
4)	004-15	Jessie Vergara Reyes	4731 Peralta St. Sta. Mesa, Mla.	03/01/2015	01/01/2015	03/01/2015	no payment		
5)	005-15	Caran g. Sacer	4844 Dita St. Sta. Mesa, Mla.	04/01/2015	03/01/2015	03/01/2015	paid (P 20.00)	03/01/2015	BC
6)	006-15	Paulino Fuentes Galion	0268 Narra St. Sta. Mesa, Mla.	03/01/2015	03/01/2015	03/01/2015	paid (P 300.00)	03/01/2015	Business
7)		Antonio Mendoza	4742 Old Sta. Mesa, Mla.	03/01/2015	03/01/2015	03/01/2015	paid (P 300.00)	03/01/2015	Business
8)		Susan Fernandez Santos	3101 V. Mapa St. Sta. Mesa	03/01/2015	03/01/2015	03/01/2015	paid (P 300.00)	03/01/2015	Business
9)		Nelson Lahip Labrador	4748 Old Sta. Mesa, Mla.	03/01/2015	03/01/2015	03/01/2015	no payment		Business
10)		Norma Labrador	4748 Old Sta. Mesa, Mla.	03/01/2015	03/01/2015	06/01/2015	paid (P 300.00)	06/01/2015	Business
11)	007-15	Shirley Saquiladon Lazo	0306 Sampaloc St. Bldg 3-1 OSM	03/01/2015	03/01/2015	03/01/2015	paid (P 20.00)	03/01/2015	BC
12)	008-15	Salvacion Arbage Abiner	4743 Peralta St. Old Sta. Mesa	03/01/2015	03/01/2015	03/01/2015	paid (P 20.00)	03/01/2015	BC
13)	009-15	Jerron Morfe Celario	4844 Bldg. 3 Mangga St. OSM	03/01/2015	03/01/2015	03/01/2015	no payment	03/01/2015	BC
14)	010-15	Teresita N. Bernarte	4730 Old Sta. Mesa, Mla.	03/01/2015	03/01/2015	03/01/2015	paid (P 20.00)	03/01/2015	BC
15)	011-15	Salvacion Arbage Abiner	4743 Peralta St. Old Sta. Mesa	03/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC
16)		Marie Ruiz Corsino	4710 Old Sta. Mesa cor. V. Mapa	06/01/2015	06/01/2015	06/01/2015	paid (P 300.00)	06/01/2015	BC
17)		Emile C. San Agustin	4746 Peralta St. Sta. Mesa, Mla.	06/01/2015	06/01/2015	07/01/2015	paid (P 300.00)	07/01/2015	Business
18)		My Generics Pharmacy, Inc	4748 Old Sta. Mesa, Mla.	06/01/2015	06/01/2015	06/01/2015	paid (P 300.00)	06/01/2015	Business
19)	012-15	Emmalyn Tejoi Leguit	0248 Narra St. Old Sta. Mesa, Mla.	06/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC
20)	013-15	Ana Mae Dulaca Servidad	4746 Int. 9 Peralta St. V. Mapa	06/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC
21)	014-15	Melanie Pascua Mantilla	0306 Bldg. 3-1 Sampaloc St.	06/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC
22)	015-15	Arturo Felizar Mirones Jr.	0306 Bldg. 3-1 Sampaloc St.	06/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC
23)		Lumen Constantino	4731 Peralta St. Sta. Mesa, Mla.	07/01/2015	07/01/2015	07/01/2015	paid (P 300.00)	07/01/2015	Business
24)	016-15	Romeo D. Bernarte	4720 Old Sta. Mesa, Mla.	07/01/2015	07/01/2015	07/01/2015	no fee		CI
25)	017-15	Evelyn Ramos Saizaba	4844-11 Mangga St. OSM	07/01/2015	07/01/2015	07/01/2015	no fee		BC
26)	018-15	Mariano Orlas Deing	4746 Int. 4 Peralta St. V. Mapa	07/01/2015	07/01/2015	07/01/2015	paid (P 300.00)	07/01/2015	Business
27)		Betty Yu	4750-A Old Sta. Mesa, Mla.	07/01/2015	07/01/2015	07/01/2015	paid (P 300.00)	07/01/2015	Business
28)	019-15	Benito Babal Rector	4746 Peralta St. Sta. Mesa, Mla.	07/01/2015	07/01/2015	07/01/2015	paid (P 20.00)	07/01/2015	BC
29)	020-15	Reynaldo Pascoalillo Jr.	4730 Old Sta. Mesa, Mla.	07/01/2015	07/01/2015	07/01/2015	paid (P 20.00)	07/01/2015	BC
30)	021-15	Jessie Arriage Abiner	4743 Peralta St. Old Sta. Mesa	06/01/2015	06/01/2015	06/01/2015	paid (P 20.00)	06/01/2015	BC

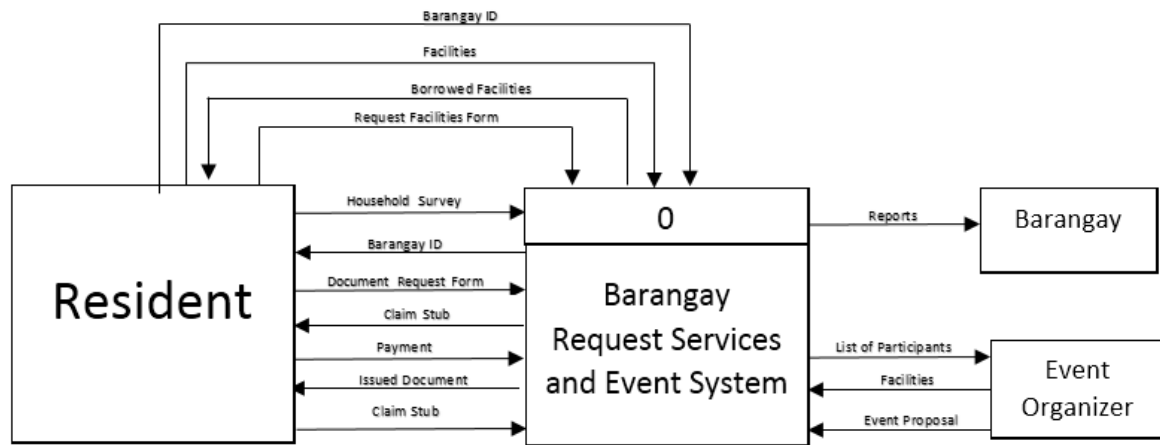
2.3 Logical Data Structures



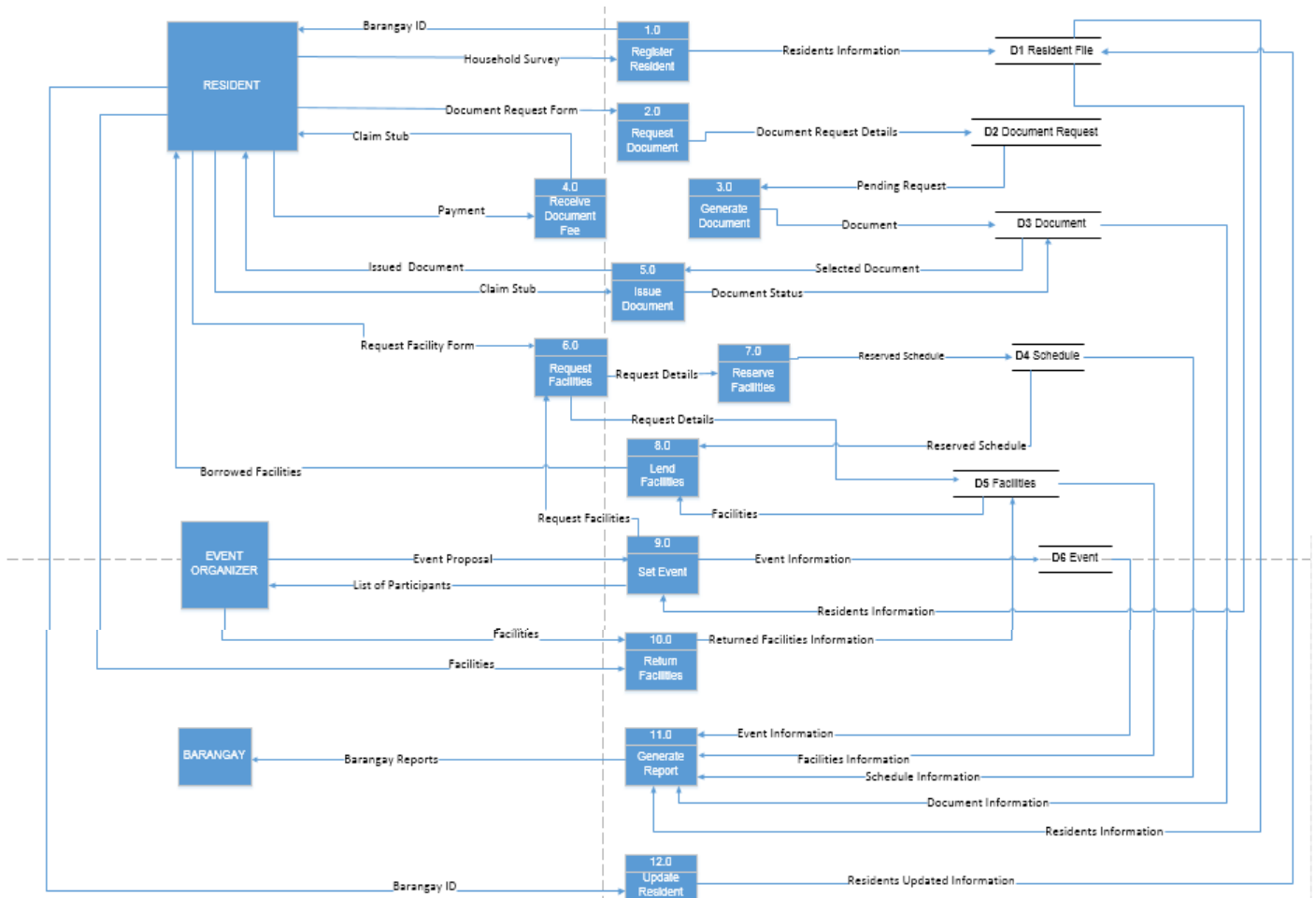
3. Policies and Procedures

3.1 Procedures

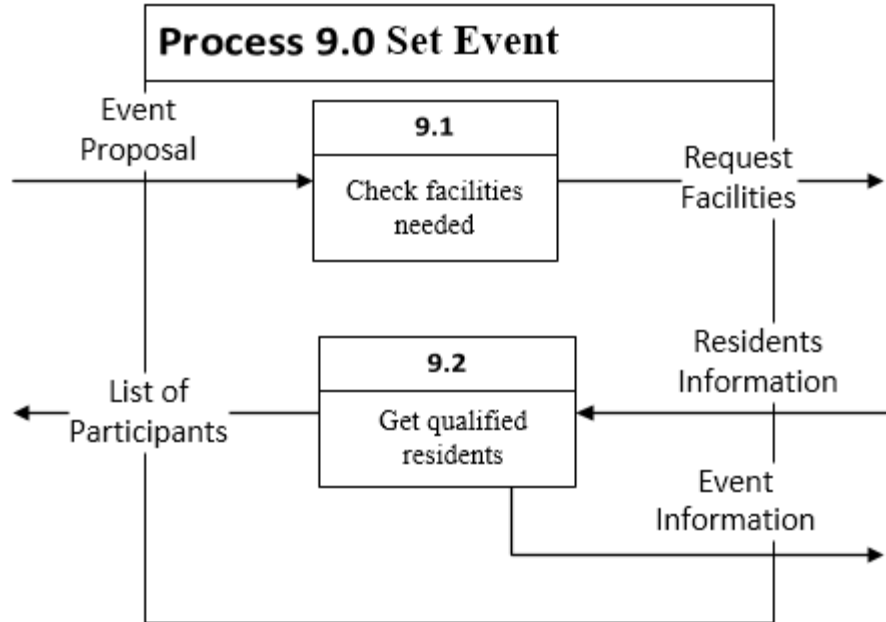
3.1.1 Context Diagram



3.1.2 Level 1 DFD



3.1.3 Process Flow Diagram



3.2 Policies

3.2.1 Business Rules

Business Rules ID	Description
BR1	People who can join the activities manage by government agencies or the barangay are based on the scope of age of the event. <i>Example: In a feeding program by the barangay only children age 5-10 are chosen to join the event.</i>
BR2	A resident can request any number of documents and in borrowing items.
BR3	People who are not a resident in the barangay but have a business within it are allowed to request a Business Clearance.
BR4	In requesting a document, he/she must be living in the barangay for at least 6 months.
BR5	Business with a capital of 10,000 below will pay P300.00 for a business clearance.
BR6	Business with a capital of 10,000-P100,000 will pay P500.00 for a business clearance.

BR7	Business with a capital of 100,000 above will pay P1,000.00 for a business clearance.

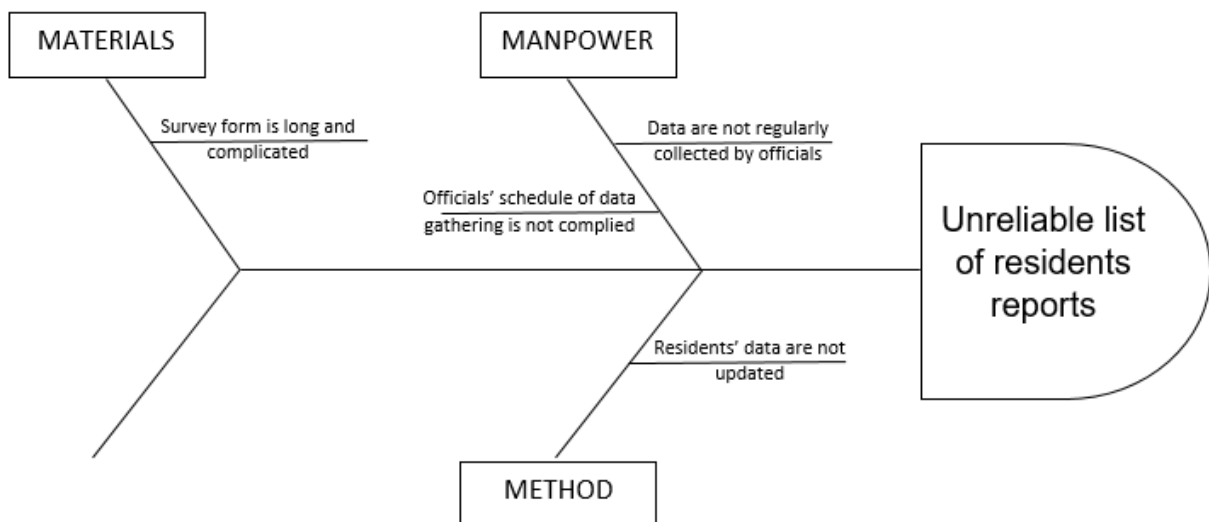
3.2.2 Business Requirements

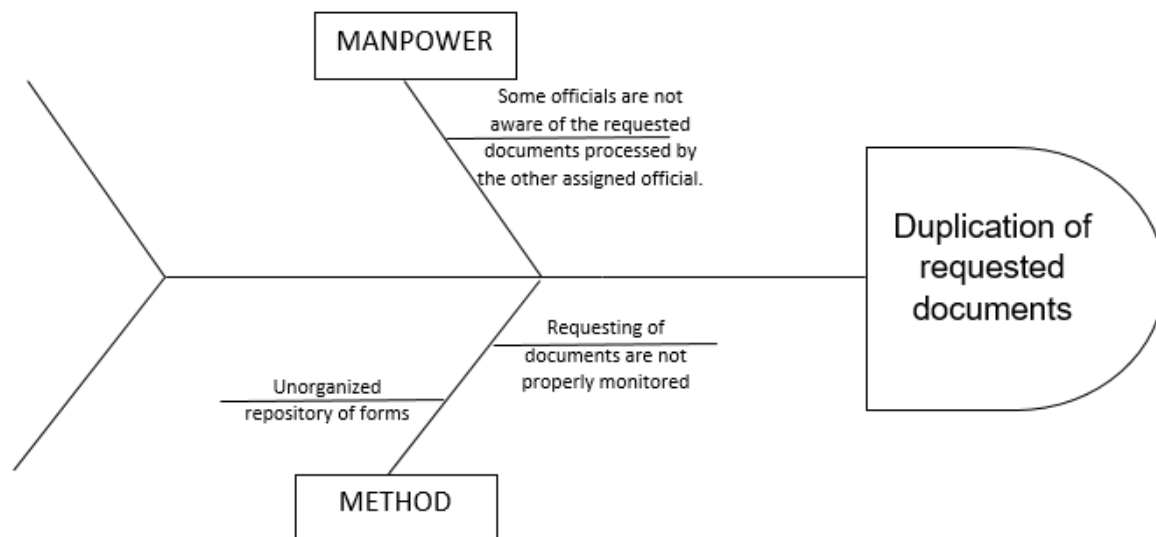
Business Requirements ID	Description
BR1	Document Requests can only be approved or signed by the Barangay Chairman if the resident has shown a complete requirement.
BR2	Utilities must be returned within a given period of time.
BR3	The Chairman or a Kagawad will interview the resident who is requesting a document if he/she is new in the barangay. House owners must update the profile of the rentals.
BR4	In requesting a Document, if he/she is a border or renters he/she must have a clearance from the House Owner that they actually live there.
BR5	Resident who is borrowing an item must first present an ID.
BR6	Residents who requested documents must present their claim stub before getting the documents.
BR7	In requesting a Barangay Clearance you must submit: <ol style="list-style-type: none"> 1. Any Government issued ID (PhilHealth, SSS, TIN, Senior Citizens ID) 2. Birth Certificate 3. NBI or Police Clearance
BR8	In requesting a Business Clearance you must submit: <ol style="list-style-type: none"> 1. Copy of DTI 2. Cedula
BR9	In requesting a Certificate of Indigency you must submit: <ol style="list-style-type: none"> 1. A recommendation from the 'Purok Leader'

BR10	In requesting a Medical Assistance you must submit: Medical Abstract
BR11	In requesting a Job Recommendation you must submit: Police Clearance, NBI
BR12	In requesting Special Certification you must submit: Any government issued ID
BR13	In requesting Special Clearances or Permit you must submit: <ol style="list-style-type: none"> 1. Any Government issued ID (PhilHealth, SSS, TIN, Senior Citizens ID, Driver's License) 2. Birth Certificate 3. NBI or Police Clearance
BR14	In requesting a Barangay ID you must submit: Identification Certificate that shows your current address.

4. Problem Analysis

4.1 Fishbone Diagram





4.2 Conclusion and Recommendation

Barangay 599 currently facing major problems, which are unreliable list of resident reports and delayed release of requested documents due to improper monitoring of request documents. Upon studying the processes inside the barangay, the project team conclude that there is a need for a computerized system to monitor each document request and to store volume of resident's data that may lead to barangay's improvement.

To answer these problems, the team recommends the Barangay Request and Event Monitoring System that will help produce reliable reports and improve the service in term of requesting document, reservation of facility and item and managing barangay event.

The proposed system will have the following features that aims to help the barangay officials:

- Provides an easy and fast updating and recording of residents' profile.
- Provide accurate list of possible qualified participants in every barangay event.
- Generate different residents' information reports that reliable and accurate.
- Efficient way of requesting of documents, reservation of facility and item via web.
- Provides fast and easy production of different documents.
- Organized monitoring of requested documents, and reserved facility and item.

Chapter 3 Proposed System Definition

1 Use Case Model

