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SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGIES
Bachelor of Science in Information Technology
Major in Mobile and Internet Technology

AfterLife
(Management of the Dead and the Missing Person System)

Submitted to:
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In partial fulfillment of the Requirements for Software Development

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I. Management of the Dead and the Missing Cluster

a. Mission

The Management of the Dead and the Missing aims to help in the proper identification and disposition of the remains in a sanitary manner with cautions to prevent negative psychological and social impact on the bereaved and the community.

b. Lead Agency

Symbol	Organization	Roles & Responsibilities
 The logo of the Department of the Interior and Local Government (DILG) is displayed. It features a circular emblem with the letters "DILG" in the center, surrounded by a golden border with the words "DEPARTMENT OF THE INTERIOR AND LOCAL GOVERNMENT".	Department of the Interior and Local Government (DILG)	Support Management of the Dead and Missing (MDM) activities undertaken by Local Government Units (LGU)

c. Assignment

Section	Subject	Lead Agency (National Level)	Main Member Agencies
H1-1	Pre-Disaster Phase before Alert/Warning	DILG	PNP, PCG, BFP, AFP, PRC
H1-2	Pre-Disaster Phase after Alert/Warning	DILG	PNP, PCG, BFP, AFP, PRC
H2	During Disaster	DILG	PNP, PCG, BFP, AFP, DOH, PRC
H3	Post-Disaster	DILG	PNP, PCG, BFP, AFP, DOH, PRC

d. Member Agencies

Symbol	Organization	Roles & Responsibilities
	Office of Civil Defense (OCD)	Support of NDRRMCs Coordination of MDM Serves as the overall oversight committee of the MDM
	Department of Social Welfare and Development (DSWD)	Assist the affected LGU and will provide the technical and resource augmentation/assistance for the medical, psychological, and physiological needs of the families.
	Department of Health (DOH)	Support of MDM conducted by LGUs, PRC and other stakeholders in terms of First Aid, Medical Care and MDM Services after Retrieval
	Metropolitan Manila Development Authority (MMDA)	Conduct MDM Activities in collaboration with LGUs and Related Agencies
	National Bureau of Investigation (NBI)	Lead the activities need needed for proper identification of all declared dead bodies. The NBI with the assistance of the PNP Scene of the Crime Operatives (SOCO) and other related experts will issue Certificate of Identification for all examined/processes and identified bodies
	Philippine Red Cross (PRC)	Conduct of Medical Care with Related Activities for Victims rescued Support MDM Activities
	Philippine National Police (PNP)	Conduct MDM Activities in collaboration with LGUs and Related Agencies.
	Bureau of Fire Protection (BFP)	Conduct MDM Activities in collaboration with LGUs and Related Agencies.
	Armed Forces of the Philippines (AFP)	Conduct MDM Activities in collaboration with LGUs and Related Agencies.
	Department of Public Works and Highways (DPWH)	Support MDM Activities undertaken by LGUs and NDRRMCs
	Department of Foreign Affairs (DFA)	Support MDM activities
	Philippine Coast Guard (PCG)	Conduct MDM Activities in collaboration with LGUs and Related Agencies.
	Mines and Geosciences Bureau (MGB)	Inform and Issue Alerts, Warnings and Advisories for possibility of Disaster to prevent lives of MDM Teams from Secondary Disaster(s)
	International Committee of the Red Cross (ICRC)	Support MDM Activities
	International Federation of Red Cross and Red Crescent Societies (IFRC)	Support MDM Activities
	Local Government Unit (LGU)	First Responder for MDM and Supporting Regional and National Govt. Activities Coordination with stakeholders regarding WASH, Health, Nutrition, and Psychosocial Services

II. Abstract

The National Disaster Risk Reduction and Management Council (NDRRMC) consists of different clusters, one of which is the Management of the Dead and the Missing Cluster which faces many different problems in carrying out their goals and objectives resulting from different hazardous events that has happened in the country. These problems have various impacts in the community, especially to the ones affected, even when the disaster is long over.

To overcome these obstacles. It is essential to come up with a more efficient and effective way of managing the dead and the missing in times of disaster. The application is envisioned to replace the manual procedures done by the cluster in hopes of increasing the effectiveness and efficiency of performing the operations, with a more organized data handling using automated lists. The application is made in accordance with manuals regarding the management of the dead and the missing to ensure that the system will serve its purpose and be the solution to the problem.

III. Overview

The project that is described in this document is a web application designed with the specific goal to help the agencies under the National Disaster Risk Reduction Management Council (NDRRMC) who are in-charge of the Management of the Dead and the Missing people during and after a disaster in the Philippines. The application is developed so that it would be easier for the agencies in-charge of the Management of the Dead and Missing People to perform their operations.

The application is targeted to be a web application but designed to also fit mobile phone screens. Furthermore, the end users will find this application to be more useful than what they do now, which is manual counting and identifying of dead people and missing people. They only need a browser on their smartphone and they could already access the application. Using the features that the app will contain, they can easily take a picture and input information about the missing/dead people they can find and it will automatically be saved in the database. The application also allows the user to ask and receive help from people who are also using the application.

The aim of this project is:

- To create features which will capture real customers' needs/wants

- Develop a prototype that will showcase and demonstrate key features of the application

This document gives a view on how the team plans to accomplish the goals of the project. Each section provides steps towards achieving the goal.

- The first section determines the purpose of the project and the scope that will be covered. It also shows the problem that needs to be solved and what are the objectives to solve them. The section also establishes what the client will get on the first release and what they will get on the future versions of the program, along with some definitions on the words and acronyms used in some part of the document.
- The second section is where the system is visualized. It shows the modules that the system will contain, and all the diagrams showing how the system would work. It also includes the user manual so that first time users would know how to operate the system.
- The third section contains the actual look and feel of the prototype. It shows the prototype through screenshots and each screenshot has a description so that users will know what it is about. The future developments envisioned will be shown through wireframes. The section also includes a user manual for the users to base on when using the system.
- The fourth section contains the items that somehow support the people and system. It includes the dead identification and missing person forms, and the curriculum vitae of the project team.

a. Project Purpose, Scope and Objectives

The National Disaster Risk Reduction Management Council (NDRRMC) consists of many different clusters, one of which is the Management of the Dead and the Missing. The purpose of this project is to help the agencies under the said cluster in performing their operations during times of disaster.

The Management of the Dead and Missing cluster, based on Pocket Emergency Tool (see references), has 5 operations all in all. The application will cover 4 of them mainly because the other operations are not possible to be done through an application. The 4 operations that will be covered are as follows:

- Search and Recovery Operation

- Identification of the Dead
- Management of the Missing Persons
- Final Arrangement of the Dead

The objective of the project are as follows:

- Reduce the time taken to identify a dead body by 50%
- Reduce the time of searching for people in the identified dead and the missing person list by up to 90% by providing an automated list of casualties
- Reduce the time of monitoring the data of all the identified dead and missing persons by 20%

The final product that is to be delivered will be a web-based application written in HTML, PHP and JavaScript. A framework will be used which is Yii2 that uses PHP.

b. Problem Statement

The following data are all gathered from a GMA news article namely "Deadly wait: The problems of identifying Yolanda's victims" (2014) regarding the problems that was detected when Typhoon Yolanda struck.

The problems stated in this section are the problems that the Management of the Dead and the Missing Cluster had encountered during Typhoon Yolanda.

- Rapid Decay

Dead bodies decay rapidly, with no refrigerated containers, and lack of personnel, this would be a huge disaster once there is a calamity.

- Lack of Administrative Order

There is no order in performing Disaster Victim Identification (DVI) operations. This may be the result of the Philippines not having any law regarding DVI. There is only the administrative order of the DOH, series of 2007, or also known as the "National Policy on the Management of the Dead and Missing Persons during Emergencies and Disasters".

- Lack of Coordination

DOH's report on disaster response to places hit by the typhoon, it showed the apparent lack of coordination among different government agencies, even the LGUs. The agencies showed very little knowledge on how to properly handle a dead body while those who are familiar with DVI followed different procedures.

- Accuracy over speed

The authorities prefer DNA testing to each dead body which will require a lot of materials and extraction to be done. This way of identification is not only costly but also time consuming, some bodies will have reached decomposed form before even getting examined.

- Unfair Expectations

The DVI teams are expected so much but given so less. DVI's requires a lot of skills and personnel to be done effectively and efficiently, but because of certain limitations, the request for personnel are not always granted. Expectations creates pressure to the people on field.

- A need for systematic revamp

The Administrative Order No. 18 which was created by DOH is deemed to be "too generic" and "needs to be changed". A national policy for management of the dead and the missing should be created that considers things like flexibility, accuracy, and practicality.

- Inadequacy of Training

There is not enough training regarding DVI in the country. This results to people not knowing what to do once a disaster strikes an area.

c. Initial Release

The project, during planning, was envisioned to have 5 modules at initial release. These are what the system will consist of at initial release. The following modules, and sub-modules are the ones that can be seen on initial release:

Dead Identification Form and Missing Person form is considered incomplete because they are still subject for polishing. The forms are made with

no design and have some faulty fields at some cases. The Request Resource on the other hand, is still subject for modification, the function is simply clicking of a button, the sub-module is going to be more interactive with the admin in the future like giving the chance for the admin to compose the request mail.

Complete Modules			
Module	Sub-Module	Percentage of Completeness	Reason for being complete
Registration	Log-in	100%	This module already has its logic, is connected to the database, and able to perform its function.
	Sign-up		
Search Recovery	Search for Dead/Missing Person	100%	This module is already able to connect and scan the database to perform its function.

Incomplete Modules			
Module	Sub-Module	Percentage of Completeness	Reason for being complete
Identification of the Dead	Dead Identification Form	90%	This module already has logic, database, and user interface but considered incomplete because the design will be improved for aesthetics.
Management of the Missing Persons	Missing Person Form		
Final Arrangement of the Dead	Request Resource	60%	This module already has logic but need to configure more and lacking of user interface and more aesthetically pleasing design.

d. Future Development

After the Initial Release, the system will be up for upgrade and modifications. All the incomplete sub-modules will be subject for completion. This upgrades will be done and uploaded in versions. The following modules and sub-modules below are suggested to be developed in the future once the Initial Release is completed.

a. Identification of the Dead

- Dead Identification Form
- Makeshift Morgue
- Injured to Death Form

b. Management of the Missing Persons

- Missing Person Form
- SMS Notification

c. Final Arrangement of the Dead

- Temporary Burial Procedure
- Request Resource

d. Reporting/Statistics

- Data Mining
- Generate Report
- Matching of Missing Dead Information

IV. Definitions and Acronyms

a. Acronyms

Name	Definition
AFP	Armed Forces of the Philippines
BFP	Bureau of Fire Protection
DFA	Department of Foreign Affairs
DILG	Department of the Interior and Local Government
DOH	Department of Health
DNA	Deoxyribonucleic Acid
DPWH	Department of Public Works and Highways
DSWD	Department of Social Welfare and Development
DVI	Disaster Victim Identification
HTML	HyperText Markup Language
ICRC	International Committee of the Red Cross
IFRC	International Federation of Red Cross and Red Crescent Societies
LGU	Local Government Unit
MDM	Management of the Dead and the Missing
MGB	Mines and Geosciences Bureau
MMDA	Metropolitan Manila Development Authority
NBI	National Bureau of Investigation
NDRRMC	National Disaster Risk Reduction Management Council
OCD	Office of Civil Defense
PCG	Philippine Coast Guard
PHP	PHP: Hypertext Preprocessor
PNP	Philippine National Police
PRC	Philippine Red Cross
SOCO	Scene of the Crime Operatives
WaSH	Water, Sanitation, Health

b. Words

Name	Definition
Administrator	someone who can make changes on a computer that will affect other users of the computer
Application	the action of putting something into operation
Automated	convert (a process or facility) to largely automatic operation
Bereaved	be deprived of a loved one through a profound absence, especially due to the loved one's death
Browser	a software application for retrieving, presenting and traversing information resources on the World Wide Web
Cluster	a number of things of the same kind, growing or held together
Data Handling	process of ensuring that research data is stored, archived or disposed off in a safe and secure manner
Database	a structured set of data held in a computer, especially one that is accessible in various ways
Diagram	a symbolic representation of information according to some visualization technique
End User	the person who actually uses a particular product
Features	a distinctive attribute or aspect of something
Field	a place where you can store data
Filter	define search criteria that provide better control to achieve more effective and efficient searches
Graphs	a collection of points and lines connecting some (possibly empty) subset of them
JavaScript	a high-level, dynamic, untyped, and interpreted run-time language
Logistics	the detailed coordination of a complex operation involving many people, facilities, or supplies
Modules	each of a set of standardized parts or independent units that can be used to construct a more complex structure
Operations	an active process; a discharge of a function
Prototype	a first, typical or preliminary model of something, especially a machine, from which other forms are developed or copied
Smartphone	a mobile phone with an advanced mobile operating system that combines features of a personal computer operating system with other features
System	a set of connected things or parts forming a complex whole, in particular
Username	an identification used by a person with access to a computer, network, or online service
Web Application	a client–server software application in which the client (or user interface) runs in a web browser
Widget	a small application with limited functionality that can be installed and executed within a web
Wireframe	a page schematic or screen blueprint, is a visual guide that represents the skeletal framework of a website
Yii2	a modern framework designed to be a solid foundation for your PHP application

V. References

- Cordner, S., Coninx, R., Kim, H., Alphen, D., & Tidball-Binz, M. (2016). *Management of Dead Bodies after Disasters: A Field Manual for First Responders* (2nd ed.). Washington D.C.: Pan America Organization.
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- National Disaster Response Plan.* (2014) (1st ed.). Retrieved from http://www.ndrrmc.gov.ph/attachments/article/1334/NDRP_Hydro_Meteorological_Hazards_as_of_2014.pdf
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- Pocket Emergency Tool.* (2012) (4th ed.). Retrieved from <http://ro11.doh.gov.ph/pdf/PET.pdf>
- Philippine National Disaster Response Pillar.* (2017). Responseops.ph. Retrieved 5 March 2017, from <http://responseops.ph/>
- Vesuvius.* (2017). Sahana Foundation. Retrieved 6 March 2017, from <https://sahanafoundation.org/products/vesuvius/>

VI. Review Related of System

a. Vesuvius (People Locator)

Vesuvius is focused on the disaster preparedness and response needs of the medical community, contributing to family reunification and assisting with hospital triage.

The US National Library of Medicine (NLM) is using Vesuvius to support disaster preparedness and response in family reunification and hospital triage, enabling capture of photos, exchange of data across facilities for use in US-hospital-focused catastrophic situations. While their primary mission has been to support the Bethesda Hospitals Emergency Preparedness Partnership (BHEPP), NLM has also supported the public use of the Vesuvius People Locator system for the Haiti earthquake (2010), Christchurch Earthquake (2011), and Japan Earthquake and Tsunami (2011). A prerelease version of Vesuvius was also used by NLM as part of BHEPP's October 15, 2009 participation in CMAX 2009 (Combined Multi-Agency eXercise). CMAX is an annual joint civilian-military exercise in the DC area, involving simulated disasters with first responders and medical providers.

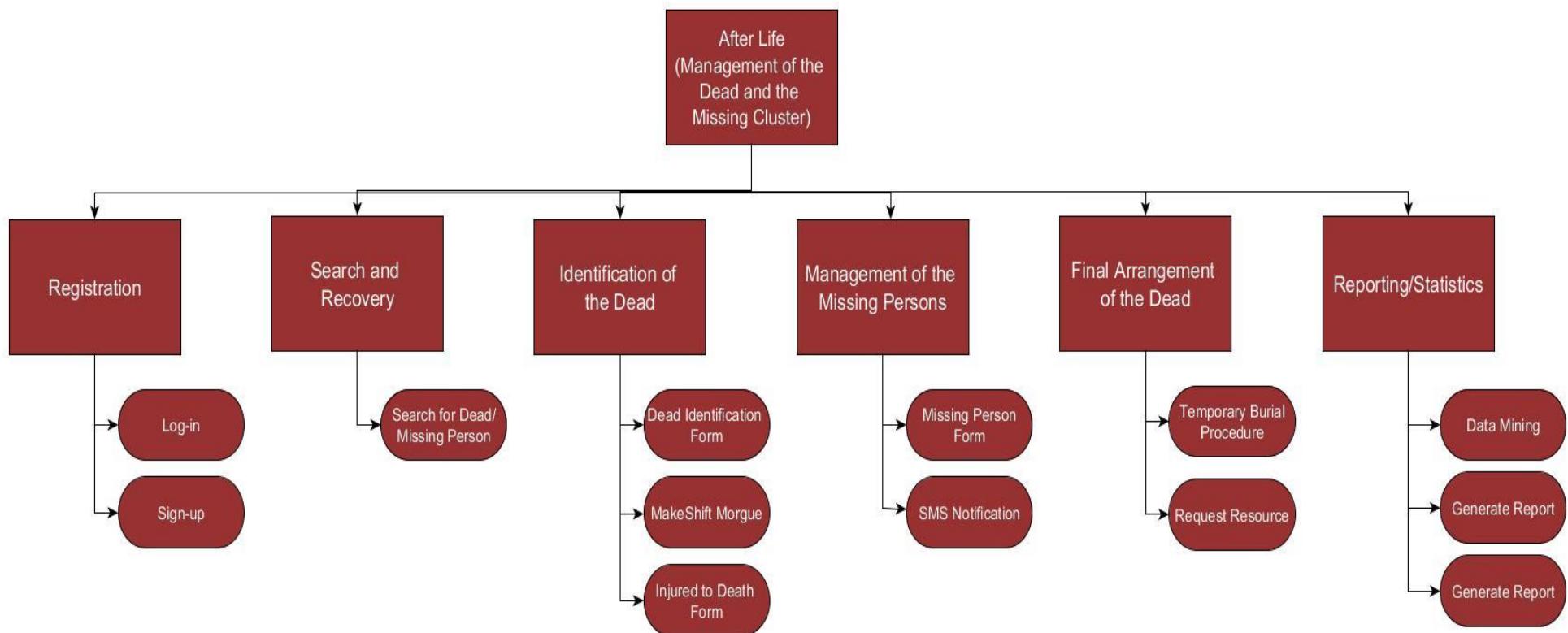
b. Google Person Finder

Google Person Finder helps people reconnect with friends and loved ones in the aftermath of natural and humanitarian disasters.

- A crisis strikes and people get separated.
- They let the world know they are looking for someone.
- Individuals and organizations provide information.
- People find information about their friends and family.

VII. Proposed System

a. Modules



b. Description of Modules

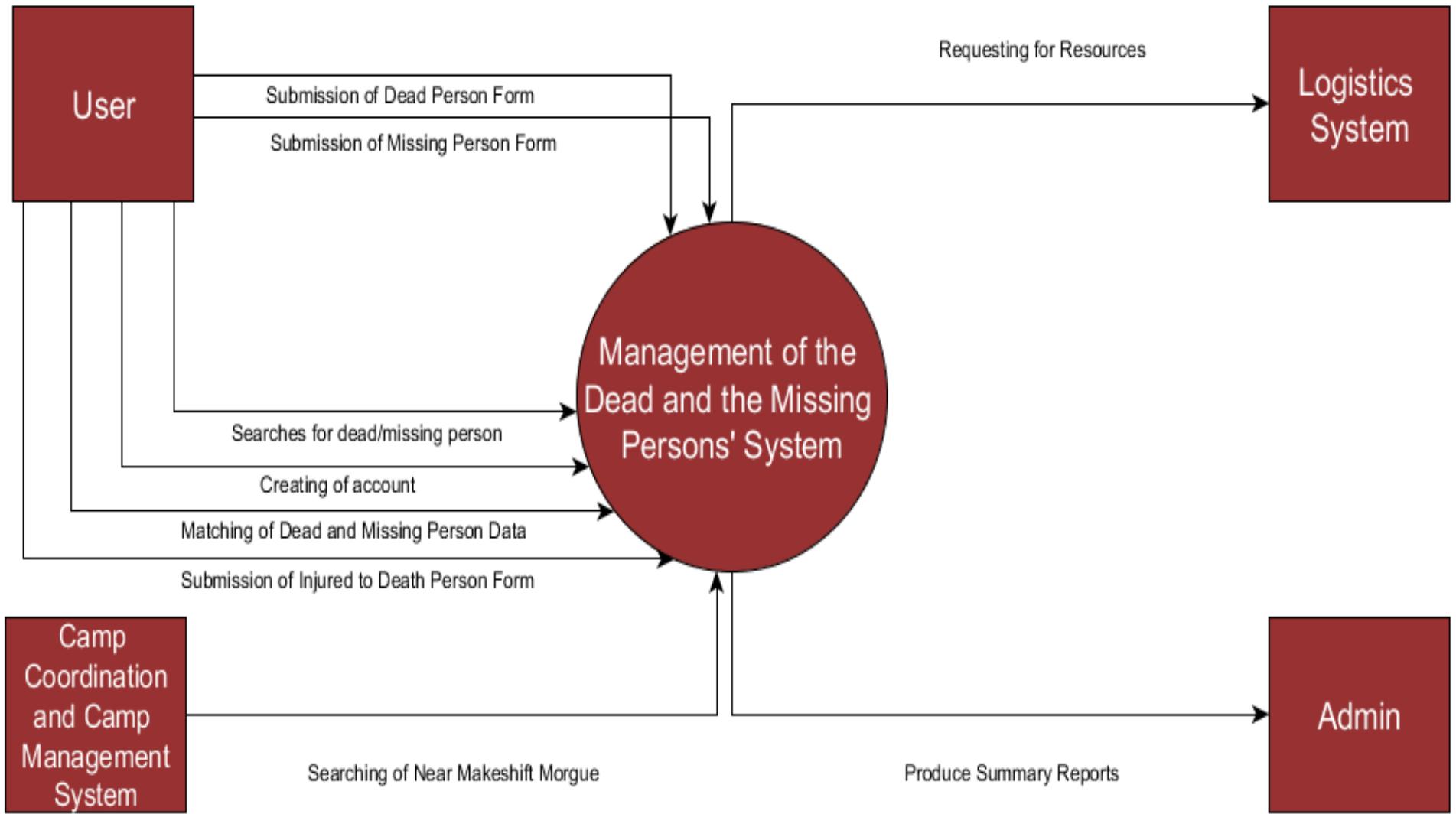
Module	Description
Log-in	The login module enables the user to log into the system. A logged in user can do more and has access to more features than a person who is not logged in.
Sign-up	The sign-up module allows a person to register an account, which can be used to log into the system, and as said earlier, a logged in user has access to more features than a person who is not logged in.
Search for Dead/Missing Person	One solution that the application provides is easier monitoring of data. The application provides automated list for easier searching of person. This module allows the user to search for a person in either the Dead or the Missing list using various criteria and filters.
Dead Identification Form	This module allows the user to report a dead person that he/she has found. This module provides a form that is then submitted to be recorded in the system's database.
Missing Person Form	This module allows the user to report a loved one or a person that has gone missing. This module provides a form that is then submitted to be recorded in the system's database.
Request Resources	This module allows administrators to send a request to the logistics system. With a click of a button, a resource request will automatically be sent to the logistics.
Makeshift Morgue	This module allows the user to search for any morgues or makeshift morgues that are nearby his/her location. Part of managing the dead people is knowing where to put them after encoding all of their traits and attributes.
Injured to Death Form	This module allows the user to submit a report about a person who died because of injury. During a disaster, not all people who died are killed on the spot, some of them received a fatal injury and died days later.
SMS Notification	This module allows the administrators to contact a user who has submitted/reported a missing person. If a missing person is found, a simple click of a button will automatically send an SMS Notification to the user who has reported about that person.
Temporary Burial Procedure	This module provides procedural steps on how to bury a person temporarily. In a large scale calamity that claim lives of many people, identifying all of them will take time. To preserve their body condition, temporary burial is done, but not all people know what to do.
Data Mining	This module is connected with another module. This module examines the database and sends the result to another module which is the 'Generate Report'
Generate Report	This module allows the administrators to create different graphs of the number of dead people, number of missing people, etc. to visualize what the calamity has caused.
Matching of Missing and Dead Information	This module allows the user to see all the possible matches their reported person have. If a person reported that his/her loved one went missing, the system will calculate the possibility of that person to be one of the dead person by scanning through the dead list and comparing the traits, attributes, and other information a person has.

VIII. System Diagrams

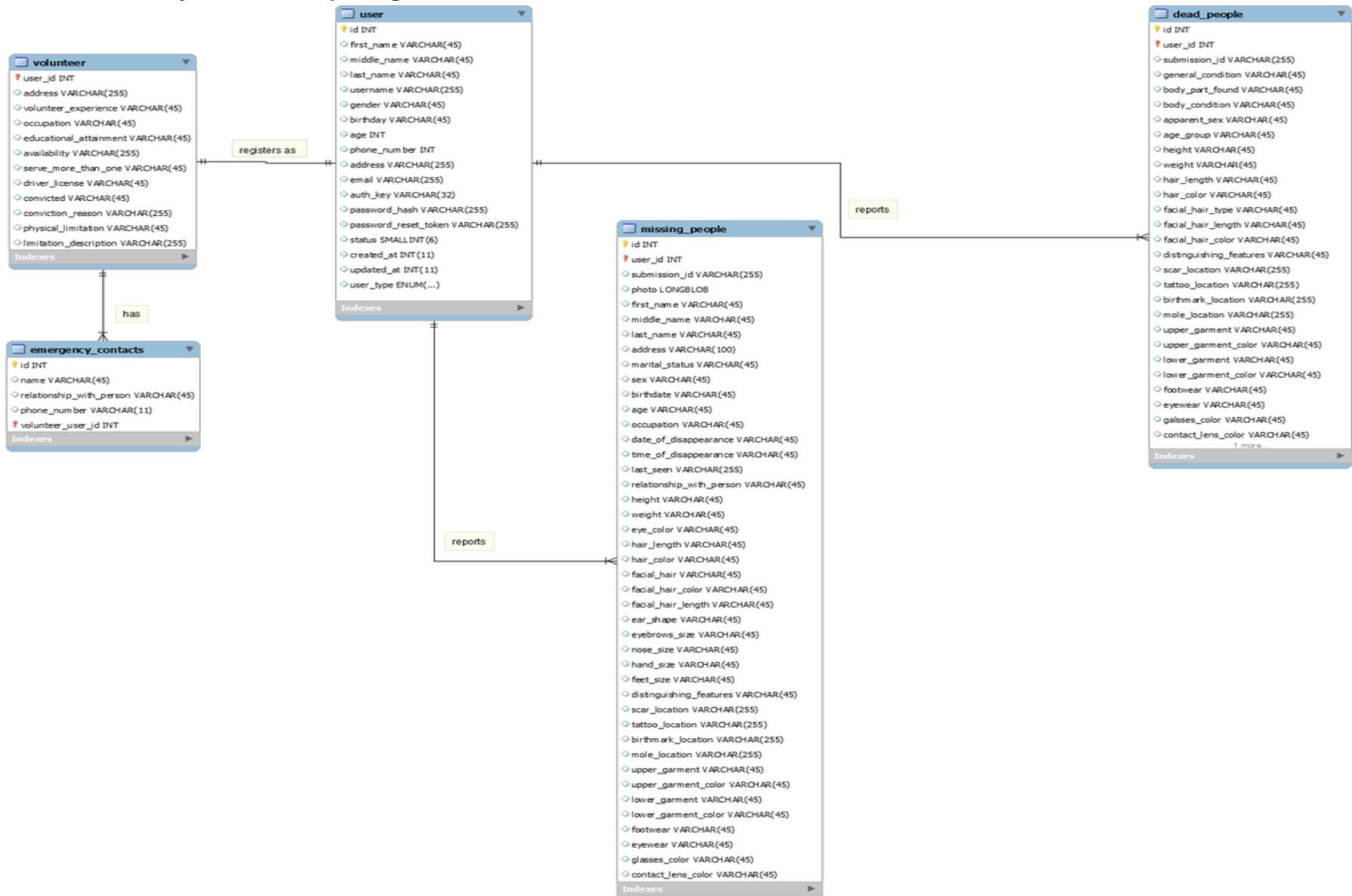
a. Event Table

Event	Trigger	Source	Use Case	Response	Destination
User creates an account	Account Creation	User	Creating of Account	Account Verification Details	User
User searches for dead/missing person	Person Search	User	Searching of Person in List	Search Results	User
User fills up dead identification form	Dead Identification	User	Submission of Dead Person Form	Dead Identification Form	User Admin
User fills up missing person form	Missing Person	User	Submission of Missing Person Form	Missing Person Form	User Admin
Admin requests for resources	Resource Request	Admin	Requesting for resources	Email Request	Logistics System
User searches for near makeshift morgue	Near Makeshift Morgue Search	Camp Coordination and Camp Management System	Searching of Near Makeshift Morgues	List of Makeshift Morgues	User
Matching of dead and missing	Data Matching	Admin	Matching of Dead and Missing Person Data	Match Percentage per Data	User Admin
User fills up injured to death form	Dead Person	User	Submission of Injured to Death Person Form	Injured to Death form	User
Time to produce Summary reports	End of day	Admin	Produce summary reports	Summary Reports	Admin

b. Context Flow Diagram



c. Entity Relationship Diagram



d. Data Dictionary

Admin						
Field Name	Data Type	Field Format	Field Size	Key	Nullability	Description
id	Integer	9999999999	11	PK	Not	Admin ID number
first_name	Varchar	Xxxxxxxxxx	45			Admin First Name
middle_name	Varchar	Xxxxxxxxxx	45			Admin Middle Name
last_name	Varchar	Xxxxxxxxxx	45			Admin Last Name
username	Varchar	Xxxxxxxxxx	255			Admin Username
gender	Varchar	Xxxxxxxxxx	45			Admin Gender
birthday	Varchar	Xxxxxxxxxx	45			Admin Birthday
age	Integer	9999999999	11			Admin Gender
phone_number	Integer	9999999999	11			Admin Phone Number
address	Varchar	Xxxxxxxxxx	255			Admin Address
email	Varchar	Xxxxxxxxxx	255			Admin Email

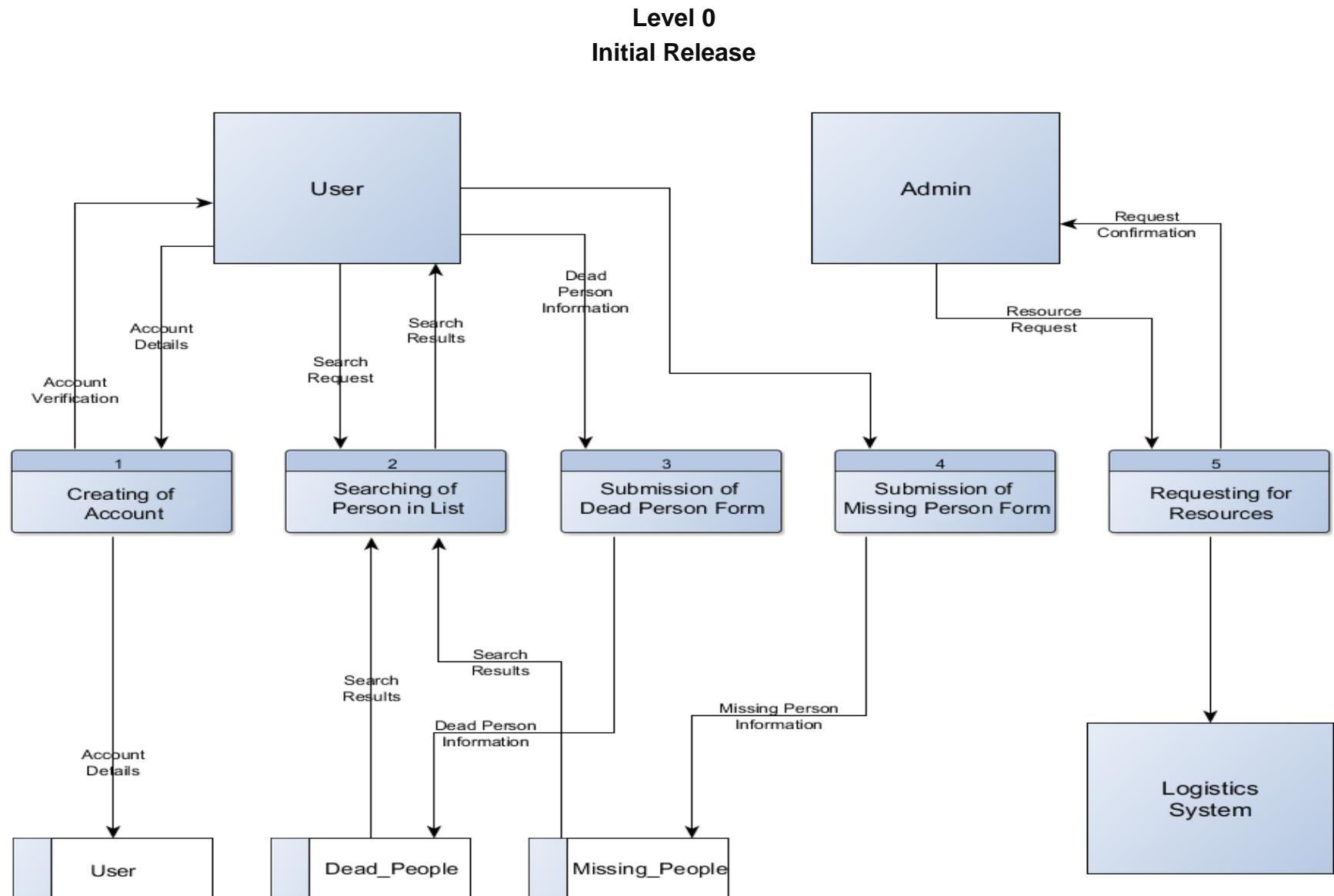
Emergency Contact						
Field Name	Data Type	Field Format	Field Size	Key	Nullability	Description
id	Integer	9999999999	11	PK	Not	Emergency Contact ID number
name	Varchar	Xxxxxxxxxx	45			Emergency Contact Name
relationship_with_person	Varchar	Xxxxxxxxxx	45			Emergency Contact Relationship with person
phone_number	Integer	9999999999	11			Emergency Contact Phone Number
volunteer_user_id	Integer	9999999999	11	FK	Not	Volunteer ID

Dead People						
Field Name	Data Type	Field Format	Field Size	Key	Nullability	Description
id	Integer	9999999999	11	PK	Not	Dead Person ID
user_id	Integer	9999999999	11	FK	Not	User ID
submission_id	Varchar	Xxxxxxxxxx	255			Dead Person Submission ID
general_condition	Varchar	Xxxxxxxxxxx	45			Dead Person General Condition
body_part_found	Varchar	Xxxxxxxxxxx	45			Dead Person Body Part
body_condition	Varchar	Xxxxxxxxxxx	45			Dead Person Body Condition
apparent_sex	Varchar	Xxxxxxxxxxx	45			Dead Person Sex
age_group	Varchar	Xxxxxxxxxxx	45			Dead Person Age Group
height	Varchar	Xxxxxxxxxxx	45			Dead Person Height
weight	Varchar	Xxxxxxxxxxx	45			Dead Person Weight
hair_length	Varchar	Xxxxxxxxxxx	45			Dead Person Hair Length
hair_color	Varchar	Xxxxxxxxxxx	45			Dead Person Hair Color
facial_hair_type	Varchar	Xxxxxxxxxxx	45			Dead Person Facial Hair Type
facial_hair_color	Varchar	Xxxxxxxxxxx	45			Dead Person Facial Hair Color
distinguishing_features	Varchar	Xxxxxxxxxxx	45			Dead Person Distinguishing Features
scar_location	Varchar	Xxxxxxxxxxx	255			Dead Person Scar Location
tattoo_location	Varchar	Xxxxxxxxxxx	255			Dead Person Tattoo Location
birthmark_location	Varchar	Xxxxxxxxxxx	255			Dead Person Birthmark Location
mole_location	Varchar	Xxxxxxxxxxx	255			Dead Person Mole Location
upper_garment	Varchar	Xxxxxxxxxxx	45			Dead Person Upper Garment
upper_garment_color	Varchar	Xxxxxxxxxxx	45			Dead Person Upper Garment Color
lower_garment	Varchar	Xxxxxxxxxxx	45			Missing Person Lower Garment
lower_garment_color	Varchar	Xxxxxxxxxxx	45			Missing Person Lower Garment Color
footwear	Varchar	Xxxxxxxxxxx	45			Dead Person Footwear
eyewear	Varchar	Xxxxxxxxxxx	45			Dead Person Eyewear
glasses_color	Varchar	Xxxxxxxxxxx	45			Dead Person Glasses Color
contact_lens_color	Varchar	Xxxxxxxxxxx	45			Dead Person Contact Lens Color
photo	longblob					Dead Person Photo

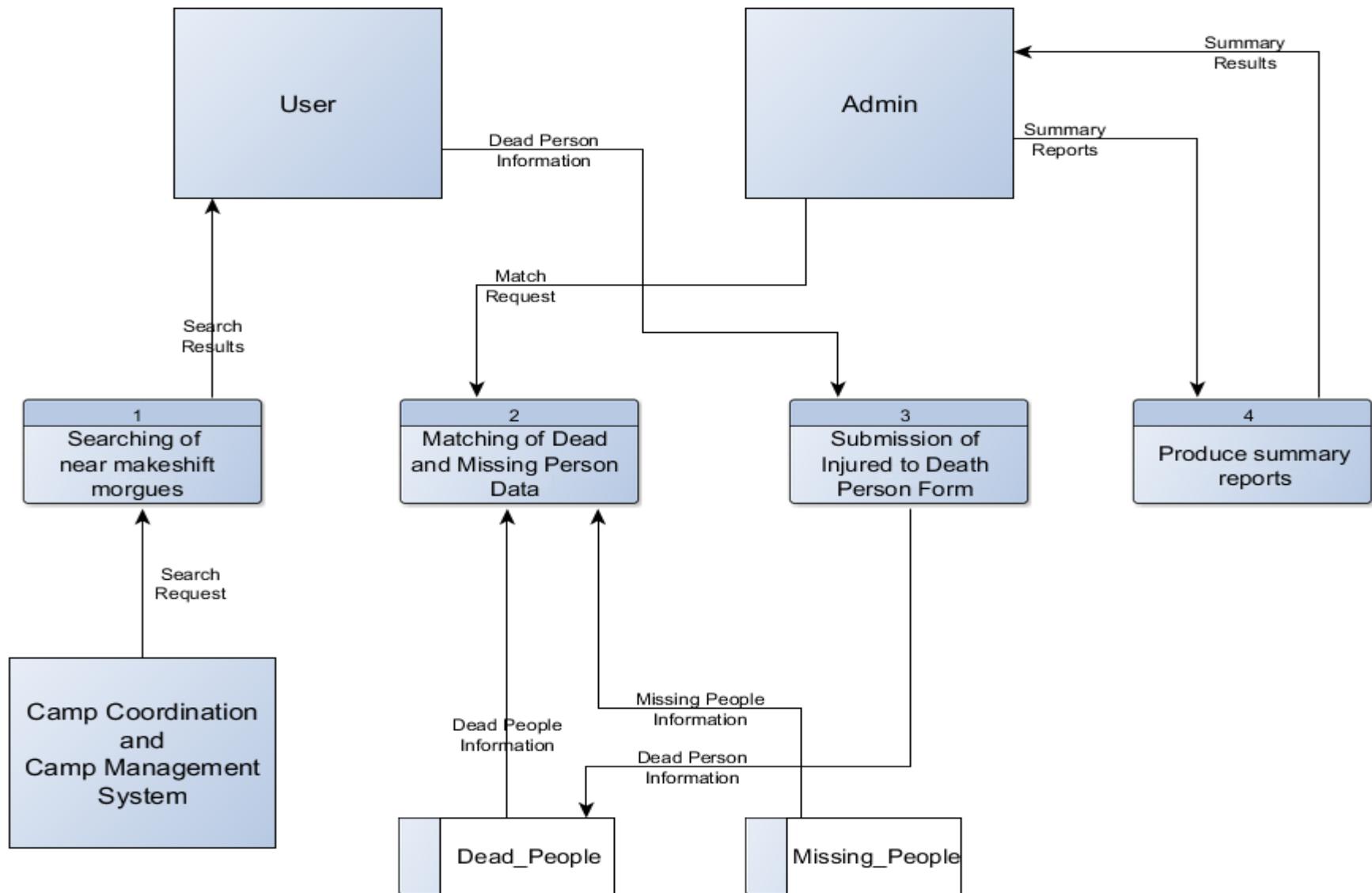
Missing People						
Field Name	Data Type	Field Format	Field Size	Key	Nullability	Description
id	Integer	9999999999	11	PK	Not	Missing Person ID
user_id	Integer	9999999999	11	FK	Not	User ID
submission_id	Varchar	Xxxxxxxxxxxx	255			Missing Person Submission ID
photo	longblob					Missing Person Photo
first_name	Varchar	Xxxxxxxxxxxx	45			Missing Person First Name
middle_name	Varchar	Xxxxxxxxxxxx	45			Missing Person Middle Name
last_name	Varchar	Xxxxxxxxxxxx	45			Missing Person Last Name
address	Varchar	Xxxxxxxxxxxx	100			Missing Person Address
marital_status	Varchar	Xxxxxxxxxxxx	45			Missing Person Marital Status
sex	Varchar	Xxxxxxxxxxxx	45			Missing Person Sex
birthdate	Varchar	Xxxxxxxxxxxx	45			Missing Birthdate
age	Varchar	Xxxxxxxxxxxx	45			Missing Person Age
occupation	Varchar	Xxxxxxxxxxxx	45			Missing Person Occupation
date_of_disappearance	Varchar	Xxxxxxxxxxxx	45			Missing Person Date Of Disappearance
time_of_disappearance	Varchar	Xxxxxxxxxxxx	45			Missing Person Time Of Disappearance
last_seen	Varchar	Xxxxxxxxxxxx	255			Missing Person Last Seen
relationship_with_person	Varchar	Xxxxxxxxxxxx	45			Missing Person Relationship With Person
height	Varchar	Xxxxxxxxxxxx	45			Missing Person Height
weight	Varchar	Xxxxxxxxxxxx	45			Missing Person Weight
eye_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Eye Color
hair_length	Varchar	Xxxxxxxxxxxx	45			Missing Person Hair Length
hair_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Hair Color
facial_hair	Varchar	Xxxxxxxxxxxx	45			Missing Person Facial Hair
facial_hair_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Facial Hair Color
ear_shape	Varchar	Xxxxxxxxxxxx	45			Missing Person Ear Shape
eyebrows_size	Varchar	Xxxxxxxxxxxx	45			Missing Person Eyebrows Size
nose_size	Varchar	Xxxxxxxxxxxx	45			Missing Person Nose Size
hand_size	Varchar	Xxxxxxxxxxxx	45			Missing Person Hand Size
feet_size	Varchar	Xxxxxxxxxxxx	45			Missing Person Feet Size
distinguishing_features	Varchar	Xxxxxxxxxxxx	45			Missing Person Distinguishing Features
scar_location	Varchar	Xxxxxxxxxxxx	255			Missing Person Scar Location
tattoo_location	Varchar	Xxxxxxxxxxxx	255			Missing Person Tattoo Location
birthmark_location	Varchar	Xxxxxxxxxxxx	255			Missing Person Birthmark Location
mole_location	Varchar	Xxxxxxxxxxxx	255			Missing Person Mole Location
upper_garment	Varchar	Xxxxxxxxxxxx	45			Missing Person Upper Garment
upper_garment_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Upper Garment Color
lower_garment	Varchar	Xxxxxxxxxxxx	45			Missing Person Lower Garment
lower_garment_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Lower Garment Color
footwear	Varchar	Xxxxxxxxxxxx	45			Missing Person Footwear
eyewear	Varchar	Xxxxxxxxxxxx	45			Missing Person Eyewear
glasses_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Glasses Color
contact_lens_color	Varchar	Xxxxxxxxxxxx	45			Missing Person Contact Lens Color

User						
Field Name	Data Type	Field Format	Field Size	Key	Nullability	Description
id	Integer	9999999999	11	PK,FK	Not	User ID
first_name	Varchar	Xxxxxxxxxx	45			User First Name
middle_name	Varchar	Xxxxxxxxxx	45			User Middle Name
last_name	Varchar	Xxxxxxxxxx	45			User Last Name
username	Varchar	Xxxxxxxxxx	255			User Username
gender	Varchar	Xxxxxxxxxx	45			User Gender
birthday	Varchar	Xxxxxxxxxx	45			User Birthday
age	Integer	9999999999	11			Admin Gender
phone_number	Integer	9999999999	11			User Phone Number
address	Varchar	Xxxxxxxxxx	255			User Address
email	Varchar	Xxxxxxxxxx	255			User Email

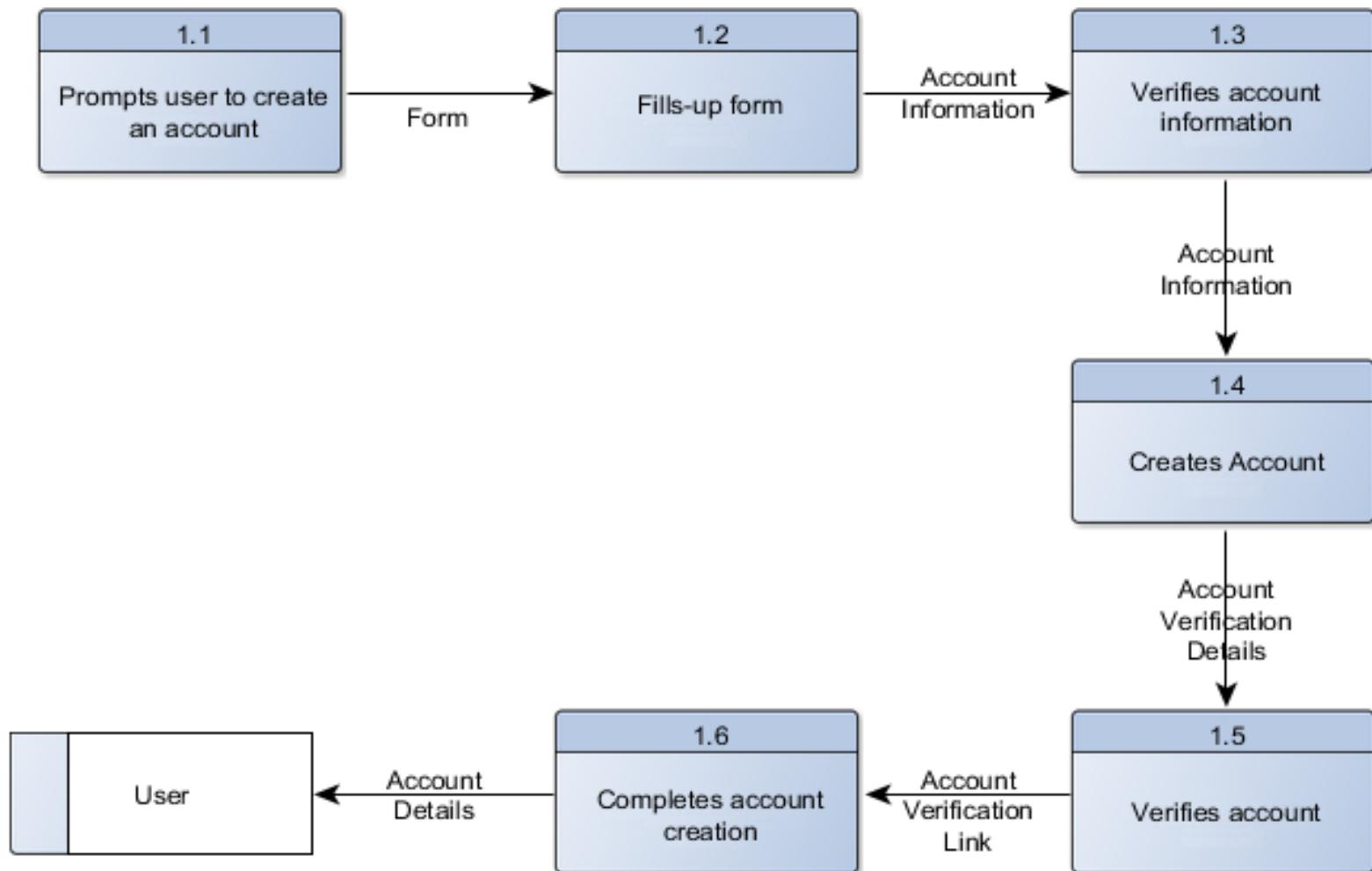
e. Data Flow Diagram



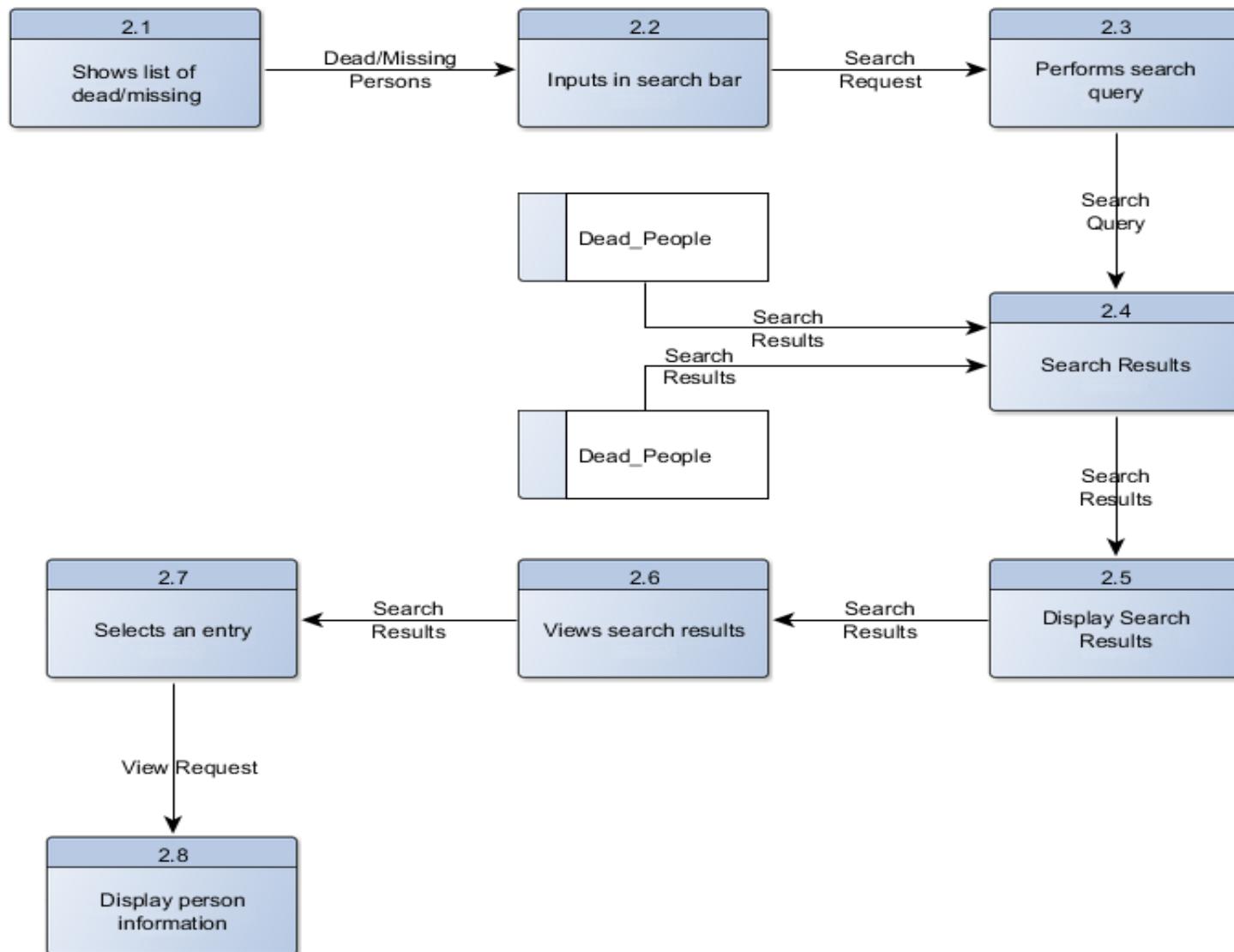
Future Development



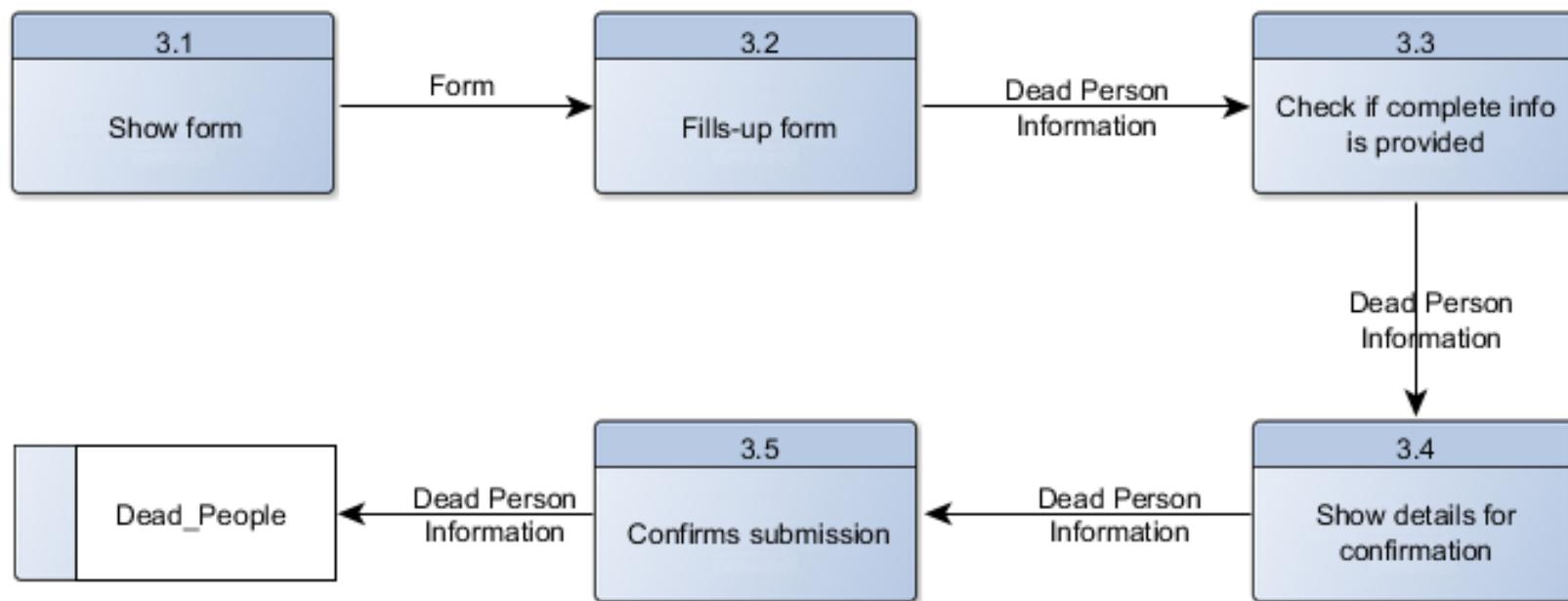
Level 1 (Initial Release only)
Creating of Account



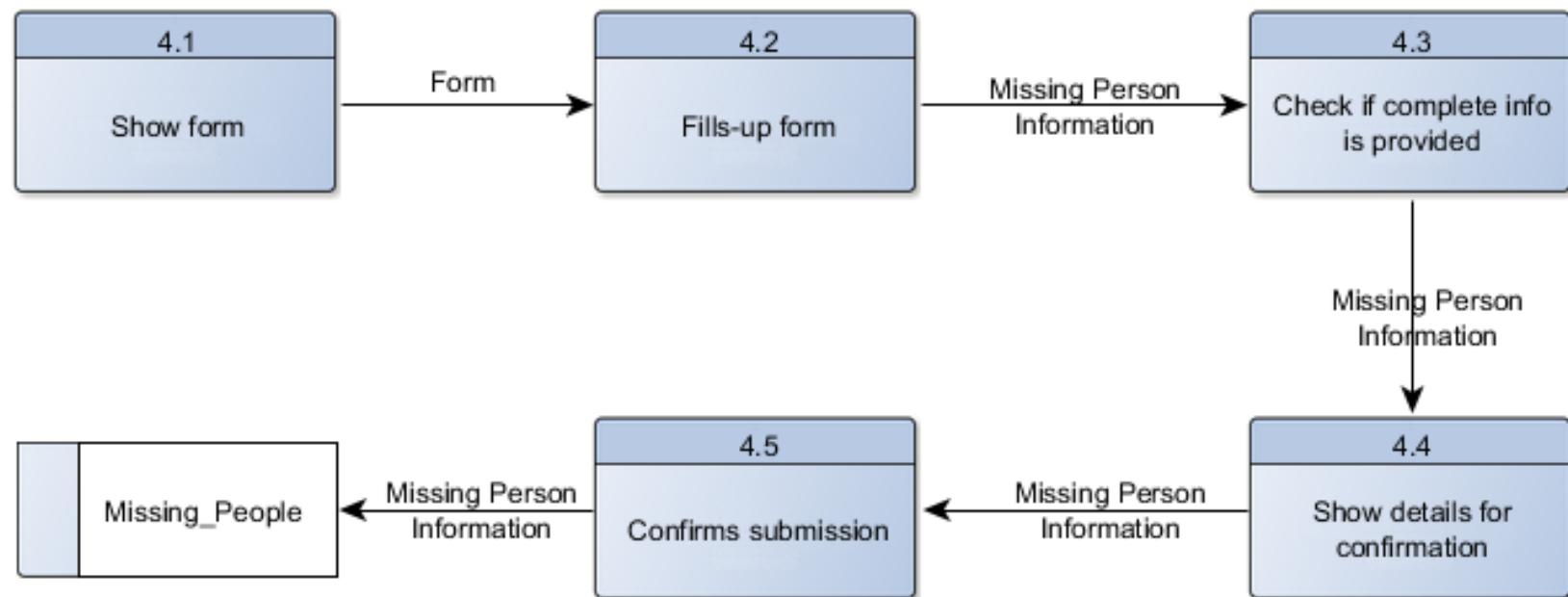
Searching of Person in List



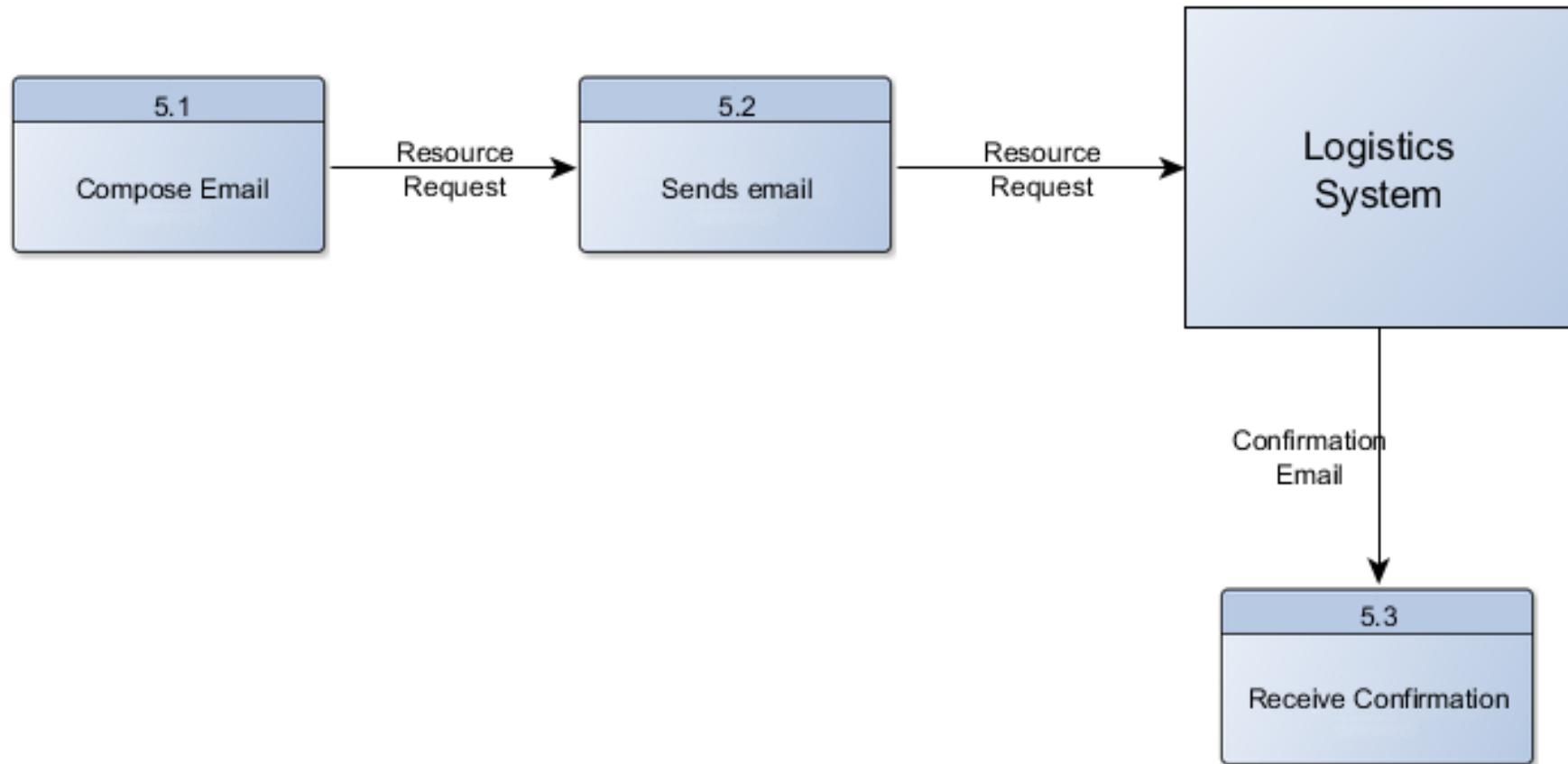
Submission of Dead Person Form



Submission of Missing Person Form



Requesting for Resource

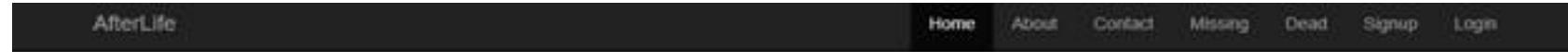


IX. User Manual

a. External Users

Log-in

1. At first, when the system is accessed, you will land in the homepage shown below.



AfterLife



2. To log into the system, you need to press the 'Login' button located at the top right corner of the screen in the navigation bar.



AfterLife



3. The login page will show up after the 'Login' button was pressed. In here, you should put a registered username and password to be able to login.

4. If an invalid account is entered, an error message will show that either the username or password is incorrect.

AfterLife

Home About Contact Missing Dead Signup Login

Home / Login

Login

Please fill out the following fields to login:

Username

Password

Incorrect username or password.

Remember Me

If you forgot your password you can [reset it](#).

[Login](#)

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Sign-up

5. If you don't have any registered account, then you could register one by clicking on the 'Signup' button at the left side of the 'Login' button at the upper right corner of the screen.



[Home](#) / [Login](#)

Login

Please fill out the following fields to login:

Username

Username cannot be blank.

Password

Remember Me

If you forgot your password you can [reset it](#).

[Login](#)



6. In the signup page, all fields must be filled for the account to register.
7. Leaving a blank field will return an error and will prevent the user from registering.

AfterLife

Home About Contact Missing Dead Signup Login

Home / Signup

Signup

Please fill out the following fields to signup:

First Name
Kyle

Middle Name
Valoria

Last Name
Lee

Username
kvlee

Gender
Male

Birthday
01/14/1998

Age
19

Phone Number
0998xxxxxx

Address
Pasay City

Email
kvlee@student.apc.edu.ph

Password

Signup

 >

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8. After successfully registering an account, the system will then redirect back to the homepage, but this time showing the user on the upper right corner of the screen.

The screenshot shows a web application interface. At the top is a dark navigation bar with the text "AfterLife" on the left and "Home" "About" "Contact" "Missing" "Dead" "Logout (Kyle Lee)" on the right. Below the bar is a large, stylized circular logo divided into four quadrants. The top-left quadrant contains a traditional Native American sunburst or mandala design. The top-right quadrant features a yellow sun rising over a range of mountains. The bottom-left quadrant contains a blue medical asterisk (star of life). The bottom-right quadrant depicts a green hand reaching towards a yellow leaf. Centered within the circle is a large, multi-pointed compass star with black and yellow segments. Below the logo, the word "AfterLife" is written in a large, lowercase, sans-serif font. In the bottom right corner of the page, there is a small footer element consisting of a colorful geometric icon followed by a right-pointing arrow.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

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Submitting a Missing Person or a Dead Person through the Forms

10. To go to the missing person form, you need to click the 'Missing' tab on the navigation bar and click on the 'Missing Form' button



11. Then in the missing form, to submit a missing person, you should fill up all the required fields in the form.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Missing Form

Missing Form

Fill up the form to submit a missing person:

Missing Person Information Form

A. Personal Details

Photo of the person



0%
avatar-160x160.png (9 KB)

Name of the missing person *

First Name: Robert Middle Name: Mansanas Last Name: Umali

Address / Place of Residence *

777 Random St.
Street Address
Pasay City
City
Philippines
Country

Marital Status

Single

Sex

Male

Date of birth of Missing Person

01 - 29 - 1995

Month Day Year

Age *

22

Occupation

Lawyer
e.g. Accountant, Engineer, Architect, Carpenter, etc.

12. After completing the form, click ‘Submit’ to submit the entry.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Missing Form

Missing Form

Fill up the form to submit a missing person:

D. Personal Effects

Upper Garment (worn when last seen / at time of disaster)
Shirt

Upper Garment Color *
Orange

Lower Garment (worn when last seen / at time of disaster)
Jeans

Lower Garment Color *
Blue

Footwear (worn when last seen / at time of disaster)
Shoes

Eyewear
Glasses

Glasses Color *
Black

Submit

Powered by JotForm

Back

13. After submitting, a submission page will appear confirming that the information you have entered have been submitted and recorded in the database.



Thank You!

Your submission has been received.

14. The same procedural steps also applies to submitting a Dead Person through the Dead Identification Form.

Searching for a Missing Person/Dead Person

15. To search for a Missing Person, click the 'Missing' tab in the navigation bar and click on 'Missing List'.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Missing List

Missing Form

AfterLife



16. You will be redirected to a page where you can search for a missing person.
17. To search for a missing person, just pick a filter on the drop-down list and input the search item in the input box.
18. Click on the 'Search' button to search for the person.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Missing List

Missing List

Robert First Name Search

0 Result(s) found

First Name	Middle Name	Last Name	Address	Marital Status	Sex	Birthdate	Age
------------	-------------	-----------	---------	----------------	-----	-----------	-----

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19. If there is a match, the system will then return all results found.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Missing List

Missing List

Input search query Filter by... Search

1 Result(s) found

First Name	Middle Name	Last Name	Address	Marital Status	Sex	Birthdate	Age
Robert	Mansanas	Umali	777 Random St., Pasay City	Single	Male	01/29/1995	

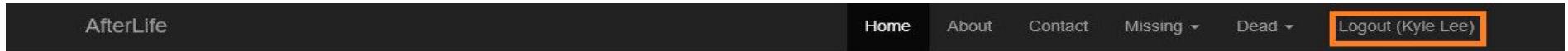


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20. The same procedural steps also applies to searching for a dead person in the dead person list.

Logging out

21. To log out, simply click the 'Logout' button.



AfterLife



b. Admin Side

Logging in

1. To log in, just input the admin username and password in the field box.

Login



Sign in to start your session

Username

Password

Remember Me

Login



© AfterLife 2017

Powered by Yii Framework

2. After logging in, the system will redirect into the home page of the backend side.

Managing Users

3. To see all the users, click on the 'Users' tab on the sidebar, and click on 'Regular'.

AfterLife Admin

Admin

Search...

MAIN NAVIGATION

Overview

Users

Regular

Volunteers

Posts

☰

Dashboard Control panel Home > Dashboard

Overview

Map Satellite

Map data ©2017 Google

4. To further view, edit, or delete a user, just click on a widget icon on the right side of each user.

AfterLife

Admin Admin

Dashboard Control panel

Home > Dashboard

Users

Add Entry

Showing 1-2 of 2 items.

#	ID	First Name	Middle Name	Last Name	Username	Actions
1	1	Kyle	Valoria	Lee	kvlee	 
2	2	Hannah	Mae	Reyes	hereyes	 

5. This is what it would look like viewing a user information.

AfterLife

Admin

Search...

MAIN NAVIGATION

- Overview
- Users
- Posts

Dashboard Control panel

Kyle Lee

Update Delete

ID	1
First Name	Kyle
Middle Name	Valoria
Last Name	Lee
Username	kvlee
Gender	Male
Birthday	01/14/1998
Age	19
Phone Number	2147483647
Address	2431 M. dela Cruz Keme
Email	kvlee14@gmail.com
Auth Key	jXI_pYp2ATV_yVjjgBhFj3nyGysLjW7n
Password Hash	S2y\$13\$pIEQJLKSx9hxDtBfvwGAM.u.T5REZw27FRdKqxeE3ZHcQ42wr70FC
Password Reset Token	(not set)
Status	10
Created At	1490768912
Updated At	1490768912
User Type	regular

Managing Posts

6. To manage missing/dead person posts, click on the 'Posts' on the sidebar and click on either the 'Missing People' or 'Dead People'.

AfterLife

Admin Admin

Dashboard Control panel Home > Dashboard

Search...

MAIN NAVIGATION

Overview

Users

Posts

Dead People

Missing People

Map Satellite

Overview

The map displays the urban areas of Manila, Quezon City, and surrounding cities like Navotas, Malabon, Mandaluyong, Pasig, Marikina, Antipolo, and Cainta. Major roads are labeled with names like AH26, R-6, R-7, R-8, R-9, and C-4. Specific landmarks shown include Rizal Park, Intramuros, SM Mall of Asia, and various universities. The red markers indicate the locations of missing people posts.

Map data ©2017 Google

7. To further view, edit, or delete a post, just click on a widget icon on the right side of each entry.

AfterLife

Admin Admin

Dashboard Control panel Home > Dashboard

Search...

MAIN NAVIGATION

Add Entry

Overview

Showing 1-1 of 1 item.

#	ID	Submission ID	First Name	Middle Name	Last Name	Address	Marital Status	Sex
1	4	3688631871012965694	Robert	Mansanas	Umali	777 Random St., Pasay City	Single	Male

< >

8. This is what it would look like viewing a post.

AfterLife

Admin

Dashboard Control panel

Home > Dashboard

Robert Umali (Missing)

Update **Delete**

ID	4
User ID	1
Submission ID	3688631871012965694
Photo	{"widget_metadata":{"type":"imagelinks","value": [{"name":"avatar.png","url":"https://s3.amazonaws.com/jotformWidgets/imagePreview/70611251376450/dfe0286avatar.png"}]}}
First Name	Robert
Middle Name	Mansanas
Last Name	Umali
Address	777 Random St., Pasay City
Marital Status	Single
Sex	Male
Birthdate	01/29/1995
Age	(not set)
Occupation	Lawyer
Date Of Disappearance	04/11/2017
Time Of Disappearance	6:16 AM
Last Seen	Address: maria christina Falls, Calamba, Laguna, Philippines Province: Laguna Country: PHILIPPINES Longitude: 121.10497 Latitude: 14.18635
Relationship With Person	Other
Height	Tall
Weight	Average
Eye Color	Blue
Hair Length	Short
Hair Color	Black
Facial Hair	None
Facial Hair Color	
Facial Hair Length	
Ear Shape	Round Ear
Eyebrows Size	Thin
Nose Size	Average
Hand Size	Average
Feet Size	Average
Distinguishing Features	
Scar Location	
Tattoo Location	
Birthmark Location	
Mole Location	
Upper Garment	Shirt
Upper Garment Color	Maroon
Lower Garment	Jeans
Lower Garment Color	White
Footwear	Shoes
Eyewear	Glasses
Glasses Color	Black
Contact Lens Color	

Sending a Request

9. To send a request for supplies, navigate to Dead Person List by clicking on the 'Posts' on the sidebar then 'Dead People'.

AfterLife Admin

Admin

Search...

MAIN NAVIGATION

Overview

Users

Posts

Dead People

Missing People

Dashboard Control panel Home > Dashboard

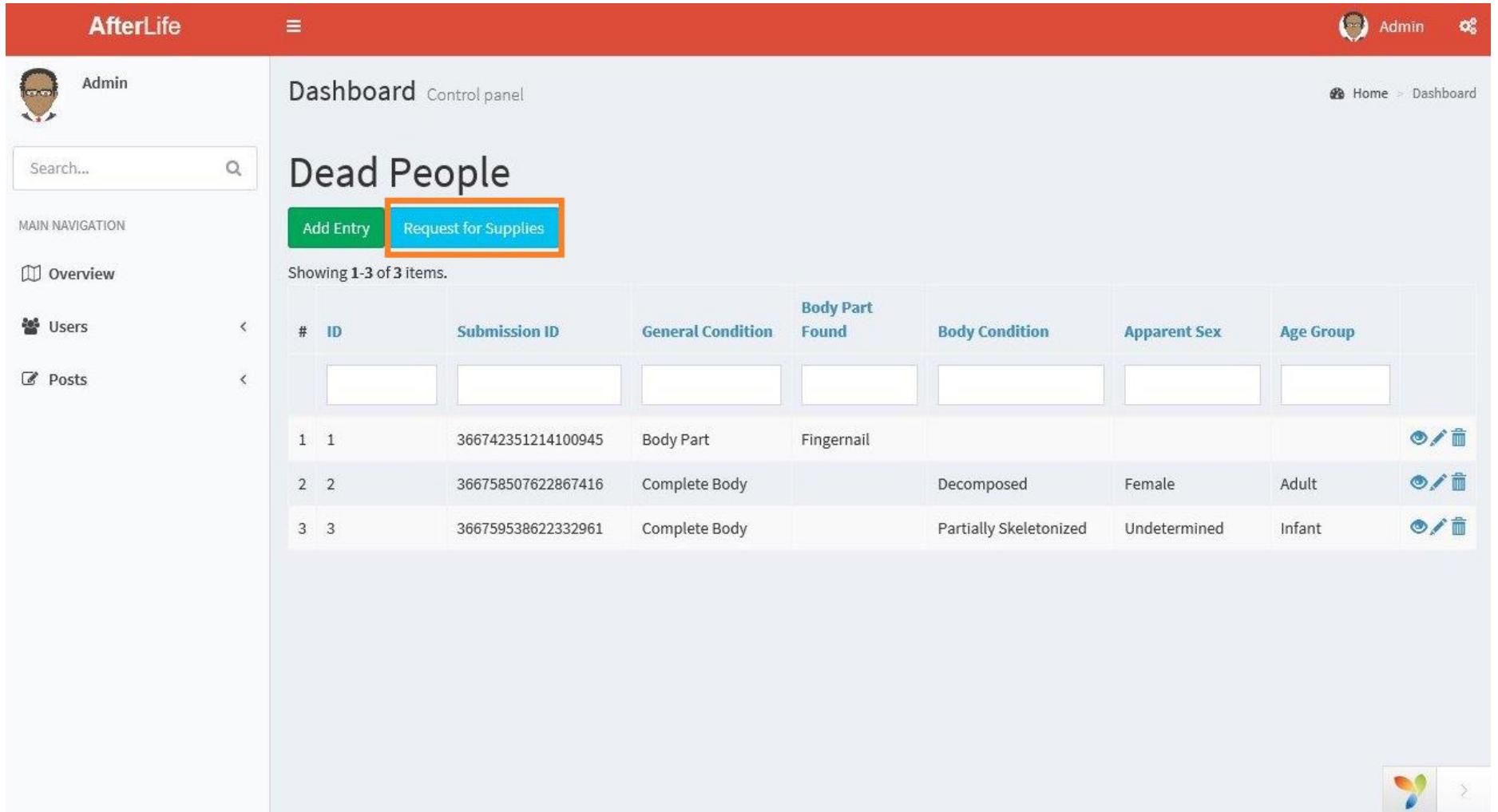
Overview

Map Satellite

The map displays the urban landscape of Manila, including major roads like AH26, R-1, R-2, R-3, R-4, R-5, R-6, R-7, R-8, R-9, C-3, C-4, and C-5. Key landmarks labeled include Quezon City, Marikina, Antipolo, Cainta, Taytay, Our Lady Good Vo..., Pinto Art Museum, Pateros, Fort Bonifacio, Bacoor, and SM Mall of Asia. The red markers indicate specific locations of interest across these areas.

Map data ©2017 Google

10. Then click on 'Request for Supplies' button, and the system will automatically send a request for supplies to the logistics.



The screenshot shows the AfterLife software interface. The top navigation bar is orange with the 'AfterLife' logo, a user icon, and 'Admin' status. Below it is a sidebar with 'MAIN NAVIGATION' sections for 'Users' and 'Posts'. The main content area is titled 'Dashboard Control panel' and features a large heading 'Dead People'. Underneath is a table showing three items. At the top of the table are buttons for 'Add Entry' and 'Request for Supplies', with the latter being highlighted by a red box. The table columns include '#', 'ID', 'Submission ID', 'General Condition', 'Body Part Found', 'Body Condition', 'Apparent Sex', and 'Age Group'. The first item has a body part found as 'Fingernail' and a body condition of 'Decomposed'. The second item has a body part found as 'Complete Body' and a body condition of 'Partially Skeletonized'. The third item has a body part found as 'Complete Body' and a body condition of 'Undetermined'. Each row has edit and delete icons at the end.

#	ID	Submission ID	General Condition	Body Part Found	Body Condition	Apparent Sex	Age Group
1	1	366742351214100945	Body Part	Fingernail			
2	2	366758507622867416	Complete Body		Decomposed	Female	Adult
3	3	366759538622332961	Complete Body		Partially Skeletonized	Undetermined	Infant

X. Description of Prototype and Screenshots

a. Initial Release

Log-in

This screen is where the user will log-in their accounts. This is what the user log-in looks like.

The screenshot shows the login page of the AfterLife application. At the top, there is a dark navigation bar with the brand name "AfterLife" on the left and links for Home, About, Contact, Missing, Dead, Signup, and Login on the right. Below the navigation bar, the URL "Home / Login" is displayed. The main content area has a light gray background and features a large, bold "Login" heading. A sub-instruction "Please fill out the following fields to login:" is present. There are two input fields: one for "Username" and one for "Password". Both fields have placeholder text "Enter Username" and "Enter Password" respectively. Below the "Username" field is an error message "Username cannot be blank." To the right of the "Password" field is a "Remember Me" checkbox which is checked. Below the password field is a link "If you forgot your password you can [reset it.](#)". At the bottom of the form is a blue "Login" button. The footer of the page contains copyright information "© My Company 2017" and a "Powered by Yii Framework" link with the Yii logo.

AfterLife

Home About Contact Missing Dead Signup Login

Home / Login

Login

Please fill out the following fields to login:

Username

Enter Username

Username cannot be blank.

Password

Enter Password

Remember Me

If you forgot your password you can [reset it.](#)

Login

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Powered by [Yii Framework](#)

Sign-up

This is where the user is supposed to create their accounts. The sign-up page consists of fields that are necessary for a user to register.

AfterLife

Home About Contact Missing Dead **Signup** Login

Home / Signup

Signup

Please fill out the following fields to signup:

First Name

Middle Name

Last Name

Username

Gender

 Select Gender ▾

Birthday

Age

Phone Number

Address

Email

Password

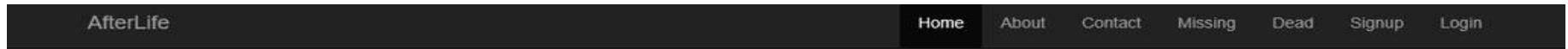
Signup

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Home Page

This is the home page that the user will see. The home page is designed like this and is subject to improvement in the future. Shown in the top right corner is the 'Login' button, which will change if a user is logged in.



AfterLife



Missing Person Form

This is the form that the user will fill up to submit a missing person. As you can see at the top right corner, the 'Login' button has changed because a user is logged in because the forms are only accessible by a registered user.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home Missing Form

Missing Form

Fill up the form to submit a missing person:

Missing Person Information Form

A. Personal Details

Photo of the person

Name of the missing person *
First Name Middle Name Last Name

Address / Place of Residence *
Street Address
City
Country

Marital Status

Sex

Date of birth of Missing Person
Month - Day - Year

Age *

Occupation

e.g. Accountant, Engineer, Architect, Carpenter, etc.

Dead Identification Form

This is the form that the user will fill up to submit a dead person. Just the same with the missing form, this form is only accessible by a registered user, as you can see at the top right corner in the navigation bar.

The screenshot shows a web application interface for 'AfterLife'. At the top, there's a navigation bar with links for Home, About, Contact, Missing, Dead (with a dropdown arrow), and Logout (Kyle Lee). Below the navigation bar, the URL 'Home / Dead Form' is displayed. The main content area has a title 'Dead Form' and a sub-instruction 'Fill up the form to submit a dead person:'. The form itself is titled 'Dead Identification Form' and is divided into several sections:

- A. Physical Description**: Contains dropdown menus for General Condition, Body Condition, Apparent Sex, Age Group, Height, and Weight. To the right of these fields is a small icon featuring a colorful hexagon and a right-pointing arrow.
- Head Hair**: Contains dropdown menus for Length and Color.
- Facial Hair**: Contains dropdown menus for Type, Length, and Color.
- Skin Marks**: A section where users can select from a list of marks. It includes a heading 'Select all that applies' and a list of checkboxes for Scars, Tattoos, Birthmarks, and Moles. Below this is a 'Next' button.

At the bottom of the page, there are footer links for '© My Company 2017' and 'Powered by Yii Framework'.

Missing List

This is the screen where the users can search for a missing person, they only need to select a filter (e.g. First Name, Last Name, Age, Gender) and input a search item and the system will return all entries that fits into the category. This can be accessed by both registered users and non-registered users.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Missing List

Missing List

Input search query Filter by... Search



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Dead Person List

This is the screen where the users can search for a dead person. This is basically the same as the missing list but this searching screen is for all the dead person entries. This can be accessed by both registered users and non-registered users.

AfterLife

Home About Contact Missing Dead Logout (Kyle Lee)

Home / Dead List

Dead List

Input search query Filter by... Search





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Admin Log-in

This is the login page of the administrators of the system. This will lead to the backend of the system which is for admins.

Login

AfterLife

Sign in to start your session

Username

Password

Remember Me

Login



Admin Home Page

This is what the admin will see first after logging in. A map that is yet to have a function, but envisioned to show where the places that are already scanned for casualties are. This is the homepage of the backend.

AfterLife

Admin

Dashboard Control panel

Home > Dashboard

Search...

MAIN NAVIGATION:

- Overview
- Users
- Posts

Overview

Map Satellite

Google

Map data ©2017 Google

Admin Dead List

This is what the admin will see if he/she navigates to the dead posts. The admin can view an entry. All dead person entries should reflect on this page. Additionally, you can see here the 'Request for supplies' button which will send a request of supplies to the logistics.

The screenshot shows the AfterLife Admin Dashboard. The top navigation bar is orange with the 'AfterLife' logo, a menu icon, and user information ('Admin'). The left sidebar has a dark background with a user icon, 'Admin' text, and a search bar ('Search...'). The main content area has a light gray background. It displays a 'Dashboard' section with a 'Control panel' link and a 'Dead People' section. The 'Dead People' section includes a green 'Add Entry' button and a blue 'Request for Supplies' button. Below these buttons, it says 'Showing 1-3 of 3 items.' A table lists three entries:

#	ID	User ID	Submission ID	Action
1	1	1	366742351214100945	
2	2	1	366758507622867416	
3	3	1	366759538622332961	

The bottom right corner features a colorful circular logo and a right-pointing arrow.

Admin Missing List

This is what the admin will see if he/she navigates to the missing person posts. Just like the dead person list. All missing person entries should reflect on this page.

The screenshot shows the AfterLife Admin Dashboard. The top navigation bar is orange with the 'AfterLife' logo, a user icon, and 'Admin' status. Below the header, the left sidebar has a user profile picture, the word 'Admin', a search bar, and a main navigation menu with 'Overview', 'Users', and 'Posts' items. The main content area is titled 'Missing People' and features a green 'Add Entry' button. It displays a table with three rows of data, each representing a missing person entry. The columns are labeled '#', 'ID', 'User ID', 'Submission ID', 'Photo', and 'First Name'. The data rows are:

#	ID	User ID	Submission ID	Photo	First Name
1	1	1	3681457132914760443	asd	
2	2	1	3681459392915685323	asd	
3	3	1	3681461572913681377	asd	

At the bottom right of the main content area, there is a small footer with a colorful logo and a right-pointing arrow.

User List

This is the page where the admin can see all the registered users. All registered users should reflect on this page.

AfterLife

Admin

Dashboard Control panel

Home > Dashboard

Users

Add Entry

Showing 1-2 of 2 items.

#	ID	First Name	Middle Name	Last Name	Username	Actions
1	1	Kyle	Valoria	Lee	kvlee	
2	2	Hannah	Mae	Reyes	hereyes	

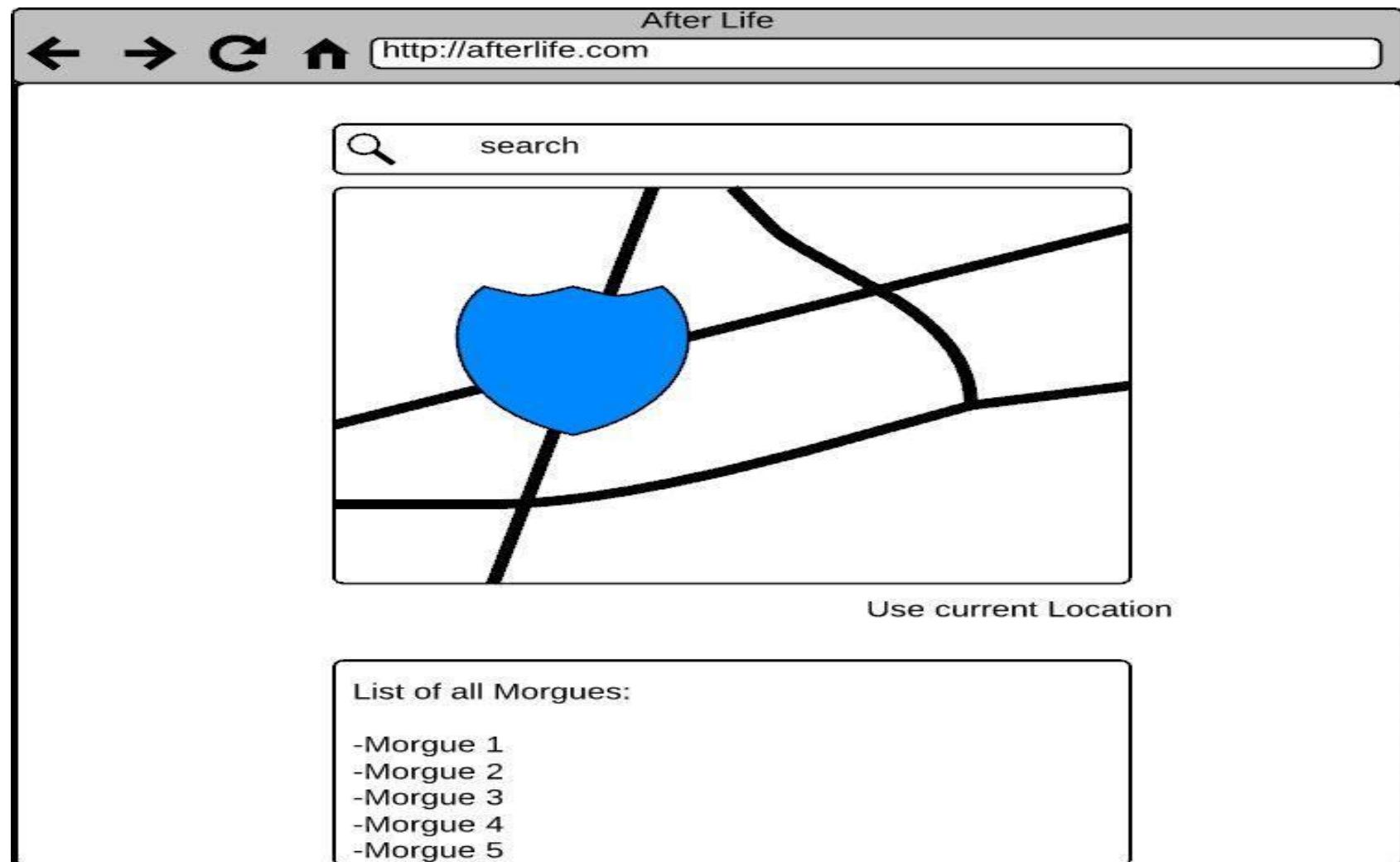


>

b. Future Development

Makeshift Morgue

This module will include a search bar, a map, and a list containing all the search results. A user can input a location on the search bar, and the system will automatically determine all the morgues or makeshift morgues that are near that area.



Injured to Death Form

This module is just like the same as the Dead Identification Form and Missing Person Form, but falls into a different category.
People who died because of fatal injury received from a calamity are submitted through this form.

After Life

← → C ⌂ <http://afterlife.com>

Injured to Death Form

Please Fill up the form		
First Name:	Middle Name:	Last Name:
<input type="text"/>	<input type="text"/>	<input type="text"/>
Birthdate:	Age:	
<input type="text"/>	<input type="text"/>	
Person's Injury	Time/Date of Death	
<input type="text"/>	<input type="text"/>	
Relationship with Person		
<input type="text"/>		

SMS Notification

This screen shows how an admin can notify a user that has reported a missing person. Once a missing person is found, either alive or dead, it's the admin's job to notify the user who reported that missing person. A simple click of a button will automatically send an SMS Notification to the user.

The screenshot shows a web-based application titled "After Life". The top navigation bar includes standard links: File, Edit, View, and Help. On the far left is a sidebar with a user icon labeled "Admin". Below the sidebar are menu items: "Users" (with sub-options "Regular" and "Volunteers"), "Posts", and "Dead People". The main content area is titled "Missing People" and displays a table of data. The table columns are: ID, Submission ID, First Name, Middle Name, Last Name, Address, Marital Status, and Sex. The data rows are as follows:

ID	Submission ID	First Name	Middle Name	Last Name	Address	Marital Status	Sex
1	8278378	Robert	Jon	Umali	Pasay	Single	Male
2	7235874	Mina	Oui	Rodriguez	Makati	Single	Female
3	1231235	Mitsuha		Miyamizu	Itomori	Single	Female
3	1231235	Taki		Tachibana	Tokyo	Single	Male

Each row contains a "Notify Contact Person" button located at the end of the row. The "Notify Contact Person" button is a rectangular button with rounded corners, containing the text "Notify Contact Person" in a small, sans-serif font.

Temporary Burial Procedure

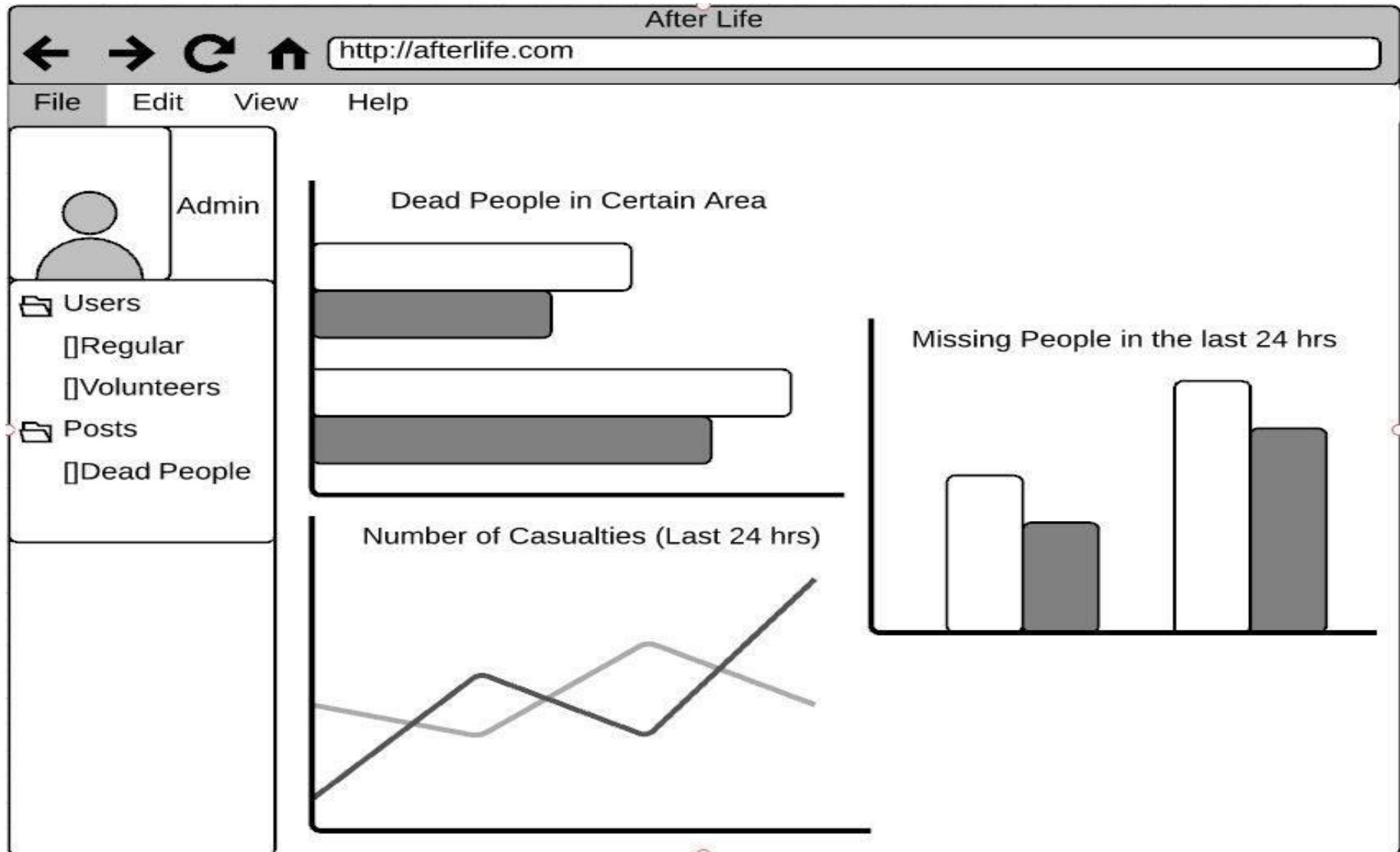
This module contains procedures that users can base on when handling and managing dead people's bodies. It consists of detailed step-by-step guide on how to temporarily bury a person to preserve body condition.

The diagram shows a wireframe of a web browser window. At the top, the title bar says "After Life" and the address bar shows the URL "http://afterlife.com". Below the address bar, there are standard navigation icons: back, forward, refresh, and home. The main content area is titled "Temporary Burial Procedure". The content is organized into six numbered steps, each enclosed in a rounded rectangular box:

- Step 1:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore
- Step 2:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore
- Step 3:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore
- Step 4:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore
- Step 5:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore
- Step 6:** Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore

Data Mining and Generate Report

This screen includes two modules in play, Data Mining is used to examine the data that are submitted and then transferred to the Generate Report module where graphs are formed based on the data collected.



Matching of Missing and Dead Information

This screen shows what a user will see if a missing person is viewed. The system is envisioned to have a data matching where the possibility is computed on whether a missing person submitted and a dead person submitted is the same person.

The screenshot displays a web browser window with the title "After Life" at the top. The address bar shows the URL <http://afterlife.com>. The main content area is divided into sections:

- Missing:** On the left, there is a placeholder icon for a missing person profile, consisting of a large grey circle on top and a larger grey shape below it. To the right of this icon is a large rectangular box labeled "Person Information".
- Possible Matches:** Below the "Person Information" box, there is a section titled "Possible Matches" containing three items:
 - Same Clothes:** Shows a small icon of a person and the text "Same Clothes". Below this is the percentage "52%".
 - Same Body Type:** Shows a small icon of a person and the text "Same Body Type". Below this is the percentage "76%".
 - Same Eye Color:** Shows a small icon of a person and the text "Same Eye Color". Below this is the percentage "81%".

XI. Appendices

Appendix 1: Dead Identification Form

Dead Identification Form

A. Physical Description

General Condition

Body Condition

Apparent Sex

Age Group

Height

Weight

Head Hair

Length

Color

Facial Hair

Type

Length

Color

Skin Marks

Select all that applies

- Scars
- Tattoos
- Birthmarks
- Moles

Next

B. Associated Evidence

Upper Garment

Lower Garment

Footwear

Eyewear

[Back](#)[Next](#)

C. Recorded Information

Photo of the Body

- Upload a Photo Take a Picture

Submit

Powered by JotForm

Back

Appendix 2: Missing Person Information Form

Missing Person Information Form

A. Personal Details

Photo of the person



Name of the missing person *

<input type="text" value="First Name"/>	<input type="text" value="Middle Name"/>	<input type="text" value="Last Name"/>
---	--	--

Address / Place of Residence *

Street Address

City

Country

Marital Status

Sex

Date of birth of Missing Person

<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	
Month		Day		Year	

Age *

Occupation

e.g. Accountant, Engineer, Architect, Carpenter, etc.

Next

B. Event

Date of disappearance

<input type="text"/> Month	-	<input type="text"/> Day	-	<input type="text"/> Year	at	<input type="text"/> Hour	:	<input type="text"/> Minutes	AM <input type="button" value="▼"/>	<input type="button" value="▼"/>
----------------------------	---	--------------------------	---	---------------------------	----	---------------------------	---	------------------------------	-------------------------------------	----------------------------------

Where was the person last seen (Input address)

Map Satellite

Address

Latitude

Longitude

Province

Country

Relationship with the person *

C. Physical Description

Height

Weight

Eye Color

Head Hair

Length

Color

Facial Hair

Type

Color

Length

Distinguishing Features

Physical

Shape of Ears

Choose "Other" if not sure

Eyebrows

Nose

Hands

Feet

Skin Marks

Select all that applies

- Scars
- Tattoos
- Birthmarks
- Moles

Back

Next

D. Personal Effects

Upper Garment (worn when last seen / at time of disaster)

Lower Garment (worn when last seen / at time of disaster)

Footwear (worn when last seen / at time of disaster)

Eyewear

Submit

Powered by JotForm

Back

Appendix 3: Curriculum Vitae

KYLE VINCENT VALORIA LEE
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kylee@student.apc.edu.ph
09985707995



EDUCATION

- June 2014 - Present Asia Pacific College
#3 Humabon Place, Magallanes, Makati City
Bachelor of Science in Information Technology
Major in Mobile and Internet Technology
- June 2010 – March 2014 San Isidro National High School
Borneo St., Brgy. San Isidro, Makati City
- June 2004- March 2010 Hen. Pio del Pilar Elementary School
P. Binay St. Brgy. Pio del Pilar, Makati City

ORGANIZATIONS

- 2016 Junior Philippine Computer Society
Events Committee
- 2016 Microsoft Community
Assistant Events Head
- 2016 Junior Information Systems Security Association
Member

RESEARCH PROJECT

The Common Motivators to Prevent Tardiness among
College Student in Asia Pacific College, A.Y. 2015 - 2016
Caranto, E. B., Lee, K. V. & Reyes, H. E.

PERSONAL DATA

January 14, 1998
Makati City
Tagalog
Single

HANNAH MAE ESCOBAL REYES

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09163000820

**EDUCATION**

June 2014 – Present

Asia Pacific College

#3 Humabon Place, Magallanes, Makati City

Bachelor of Science in Information Technology

Major in Mobile and Internet Technology

June 2010 – March 2014

Benigno "Ninoy" S. Aquino High School

Aguho St. Comembo, Makati City

June 2004 – March 2010

Rizal Elementary School

Milkweed St., Brgy. Rizal, Makati City

ORGANIZATIONS

2016

Campus Ministry

Member

2016

Junior Information Systems Security Association

Member

2016

Microsoft Community

Member

2016

Junior Philippine Computer Society

Member

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PERSONAL DATA

May 8, 2016

Makati City

Tagalog

Single