

Law and Order

Response Cluster

National Disaster Risk Reduction and Management Council

Software Development (SOFTDEV) @ Asia Pacific College S.Y. 2016 – 2017

Course Instructor:

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Project Team:

- | | |
|------------------------|-------------------------------------|
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Client Information:

Company/Organization Name:	National Disaster Risk Reduction and Management Council (NDRRMC)
Project Name:	Department of Social Welfare and Development (DSWD)
Primary Contact Person:	Law and Order Response Cluster
Position:	N/A

About Law and Order Response Cluster:

Lead Agency:	Philippine National Police (PNP)
Member Agency(s):	Armed Forces of the Philippines (AFP) Department of Foreign Affairs (DFA) Office of the Civil Defense (OCD) Department of the Interior and Local Government (DILG) Department of Health (DOH) Metropolitan Manila Development Authority (MMDA) Regional Emergency Assistance Communications Team (REACT) National Bureau of Investigation (NBI) Philippine Red Cross (PRC) Bureau of Fire Protection (BFP) Department of Public Works and Highways (DPWH) Philippine Coast Guard (PCG) International Federation of Red Cross (IFRC) International Committee of the Red Cross (ICRC) United Nations Disaster Assessment and Coordination

I. Introduction

Mission Statement

Maintaining peace and order on disaster situations. Therefore, providing an *effective and integrated* response to disaster situations through execution of standard procedures and protocols and a centralized disaster management system.

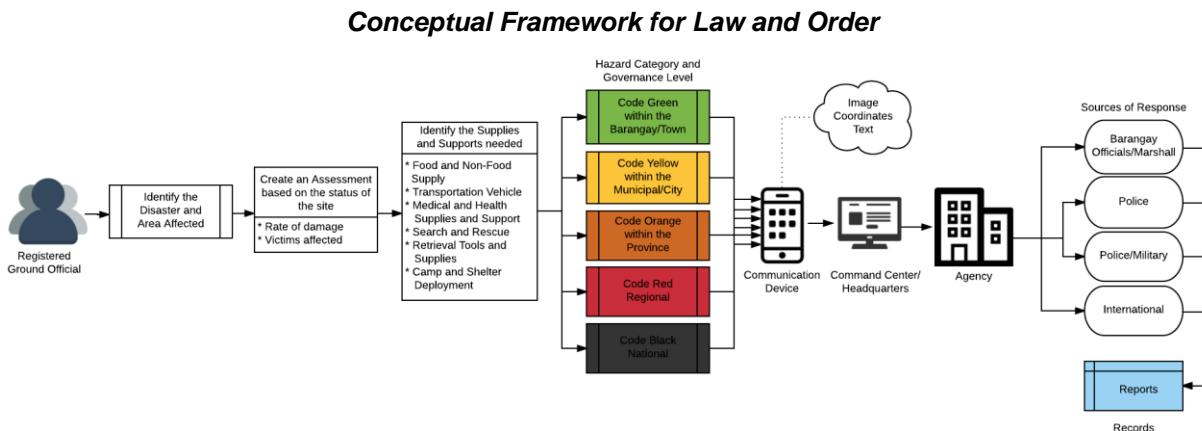
Problem Statement

Disaster is *unpredictable* and it may possibly happen anytime, *local government units* are expected to be at the *frontline of emergency measures* in the aftermath of disaster. Hence, government *lacks on integration* of disaster assessments to be drawn from local to national level and the use of *standard disaster protocols* to execute an operative response action.

Another problem exist in the present situation are the *methods and criteria* of determining the *type of disaster and its risks*, the *level of damage*, identifying the *number and classification of victims* and *evaluating the condition of the area*. Moreover, disaster response includes suitable *relief services and assistances* to be provided by different sectors and volunteers.

In addition, determining the *alert systems* to be declared within the affected area for *obligatory actions* from local to national level of the government.

Project Context



Disaster Assessment Method (LGU level)

Step 1: Determine the evidence/s of disaster

- Flooded Area/s
- Landslide/s
- Blocked Road/s
- Wild Fire/s

- Epidemic/s
- Volcanic Eruption/s
- Bridge/s Collapsed
- Infrastructure/s Collapsed
- Technical Accident/s

Step 2: Determine the rate of damage

- Normal – Medium – Emergency

Step 3: Identify the victims affected

- Male Victims
- Female Victims

Step 4: Assessment on the status of the area (Affected – Still Accessible – Unable to determine)

- Access to basic domestic needs (food/water/health/shelter)
- Communication Lines
- Power lines
- Transportation
- Vital Infrastructures

Step 5: Identify the Relief Services and Assistance required on responding

- Search and Rescue Team
- Transportation Vehicles (Land/Air/Water)
- Medical and Emergency Team
- Food and Non-Food Supplies
- Camp and Shelter
- Emergency Telecommunications
- Engineers
- Security Personnel

Step 6: Pin the location using Geographic coordinates

Step 7: Take a photo of the present situation

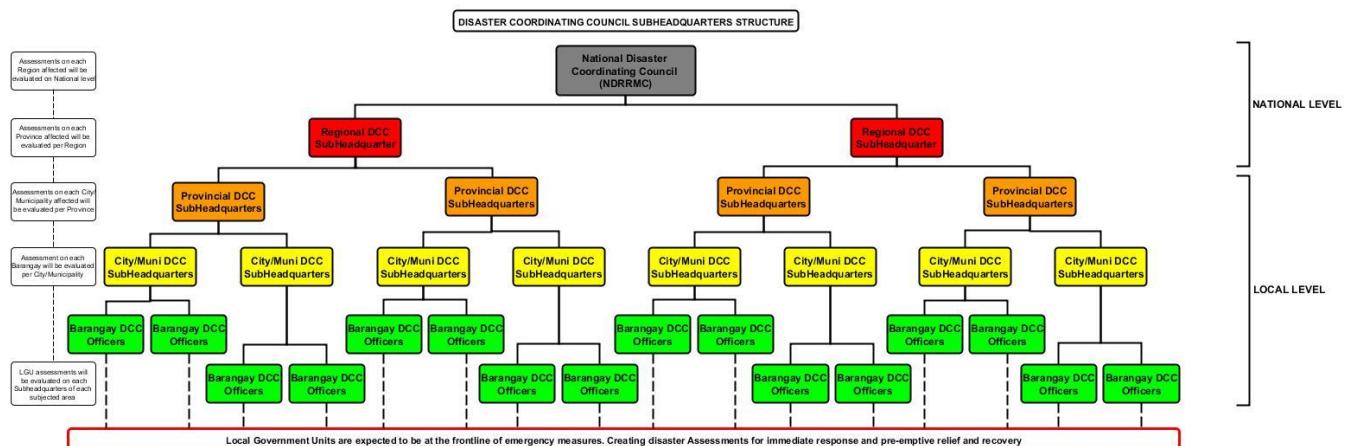
Color Code	Category Level	Category of Hazard	Level of Governance	General Definition	GOVERNMENT	CIVIL SOCIETY	NATIONAL RESPONSE TEAM
Black	5	Emergency	National	No access to basic domestic needs energy, transportation, vital infrastructure and governance	<ul style="list-style-type: none"> • LDRMMCs • LGU of neighboring province • National DILG • National DSWD • National DOH 	<ul style="list-style-type: none"> • Church • NGOs • Business Groups • People's Organization • Volunteers • International Org (ICRC, UN) 	- Logistic and supply chain management Expert (Team Leader) Customer Services Expert Province/AreaExpert
Red	4	Severe	Regional	No access to basic domestic needs, energy, transportation and vital infrastructure	<ul style="list-style-type: none"> • LDRMMCs • LGU of neighboring provinces • Regional and Provincial DILG • DSWD Regional Office • DOH Regional Office 	<ul style="list-style-type: none"> • Church • NGOs • Business Group • People's Organization • Volunteers • International Org (ICRC, UN) 	- Logistic and supply chain management Expert (Team Leader) Customer Services Expert Province/AreaExpert
Orange	3	High	Provincial	No access to basic domestic needs, energy and transportation	<ul style="list-style-type: none"> • LDRMMCs • Regional and Provincial DILG • DSWD Provincial Office • DOH Provincial Office 	<ul style="list-style-type: none"> • Church/Social Action Center • NGOs • Business Group • People's Organization • Volunteers 	Logistic and supply chain management Expert (Team Leader) Customer Services Expert Province / Area Expert
Yellow	2	Moderate	City / Municipal	No access to basic domestic needs and energy	<ul style="list-style-type: none"> • LDRMMCs • DSWD Field Offices • DOH Field Offices 	<ul style="list-style-type: none"> • Church/Social Action Center • NGOs • Business Group • People's Organization 	Not applicable
Green	1	Light	Barangay	No access to basic domestic needs which consists of potable water, food, clothing, medicine, shelter and communications	<ul style="list-style-type: none"> • LDRMMCs • DSWD Field Offices • DOH Field Offices 	<ul style="list-style-type: none"> • Church/Social Action Center • NGOs • Business Group/Suppliers • People's Organization 	Not applicable

Figure 1 Assessment Table

Step 8: Declare alert level system on affected area based on evaluated assessments

- Code **GREEN** ----- Barangay Council, if one barangay is affected by a natural calamity or human-induced disaster
- Code **YELLOW** ----- City/Municipal DRRMC, if 2 or more barangays are affected
- Code **ORANGE** ----- Provincial DRRMC, if 2 or more cities/municipalities are affected
- Code **RED** ----- Regional DRRMC, if 2 or more provinces are affected
- Code **BLACK** ----- NDRRMC, if 2 or more regions are affected

Sub-Headquarter Structure



Project Background

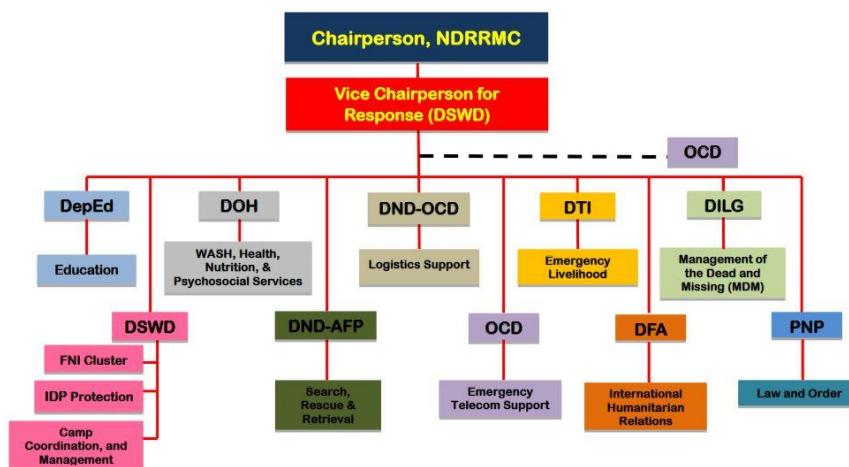


Figure 2 Organizational Chart of Response Cluster

Local government units are expected to be at the frontline of emergency measures in the aftermath of disaster to ensure the general welfare of its constituents. Based on the 1991 Local Government Code.

Once a disaster hits, it's not always the national government that acts first. The *National Disaster Risk Reduction and Management Council* (NDRRMC) is tasked to come up with a framework for *disaster risk reduction and management* (DRRM), as well as supervise preparation for, and responses to, natural calamities and human-induced disasters.

As first responders, they should be proactive in performing disaster-related activities, from preemptive evacuation to the restoration of people's livelihood.

Every LGU should also create a *Local Disaster Risk Reduction and Management Plan* (LDRRMP) covering 4 aspects of DRRM as specified in NDRRMC's framework, namely: *disaster preparedness, response, prevention and mitigation, and rehabilitation and recovery*.

These LDRRMPs should be consistent with the National DRRM Plan, and be implemented by Local Disaster Risk Reduction and Management Offices in every province, city and municipality in the country.

Republic Act 10121, the enabling law of NDRRMC, also provides for local DRRM councils, and specifies levels of coordination between NDRRMC and the local councils. The workflow and coordination is supposed to ensure and facilitate quick response *before, during, and after* disaster situations.

Roles of the local government officials during disasters

Provincial Governors and City/Municipality Mayors

- Carry out such emergency measures as may be necessary during, and in the aftermath of, man-made and natural disasters and calamities
- Submit a report when unexpected events and situations arise at any time during the year, particularly when man-made or natural disasters or calamities affect the general welfare of the city, province, region or country

Provincial and City/Municipal Councils

- Provide relief services and assistance for victims during and in the aftermath of said disasters or calamities and their return to productive livelihood following said events;
- Adopt measures to protect the inhabitants of the city from the harmful effects of man-made or natural disasters and calamities

Other Local Officials

- Be at the frontline of delivery of services related to their line of work, particularly during, and in the aftermath of, man-made disasters and natural calamities

Composition from Local to National Councils

National Disaster Coordinating Council (NDRRMC)				
<i>Chairperson: NDRRMC</i>				
18 Regional Disaster Coordinating Council (RDCC)				
Regions I to XII, CAR and CARAGA	Autonomous Region in Muslim Mindanao (ARMM)	Metro Manila		
Chairperson: Regional Director of the Office of Civil Defense (OCD) under the Department of National Defense (DND)	Chairperson: ARMM Governor	Chairperson: Chairman of the Metro Manila Development Authority (MMDA)		
Members: Executives of regional offices and regional field stations of the government agencies that are members of NDRRMC	NA	Members: Executives of MMDA departments/offices/field stations operating in NCR All other national government agencies operating in NCR		
81 Provincial Disaster Coordinating Council (PDCC)				
145 City Disaster Coordinating Council (CDCC)				
1,489 Municipal Disaster Coordinating Council (MDCC)				
<i>Chairperson: Local chief executive (Governor or Mayor)</i>				
Members: Local Planning and Development Officer Local Disaster Risk Reduction and Management Officer Local social welfare and development officer Local health officer Local agriculture officer Local gender and development officer Local engineering officer Local veterinary officer Local budget officer Division Head/Schools Superintendent/District Supervisor of the DepEd Highest-ranking officer of the Armed Forces of the Philippines (AFP) in the area	Provincial/City Director or Component City/ Municipal Chief of the Philippine National Police Provincial Director or City/Municipal Fire Marshall of the Bureau of Fire Protection (BFP) President, Liga ng mga Barangay Representative of the Philippine Red Cross Four (4) accredited civil service organizations One (1) private sector representative Optional Members: Provincial Director or City/Municipal officer of the DILG and the DENR Local official of the Philippine Coast Guard or Philippine Forest Guard A representative of the Sangguniang Bayan or Lungsod (city or municipal council)			
41,960 Barangay Disaster Coordinating Council (BDCC)				
<i>Chairperson: Barangay captain</i>				
Members: Sangguniang Barangay (barangay council) Representatives of NGOs operating in the barangay (they will constitute not less than 1% of the whole barangay council) Representative of the Congressman of the legislative district where the barangay is situated				

Alert System of Local to National level

The following take the lead in certain scenarios:

- Barangay Development Council, if one barangay is affected by a natural calamity or human-induced disaster
- City/Municipal DRRMC, if 2 or more barangays are affected
- Provincial DRRMC, if 2 or more cities/municipalities are affected
- Regional DRRMC, if 2 or more provinces are affected
- NDRRMC, if 2 or more regions are affected

Objectives:

Our project team will provide proof of concepts on determining the alert level of risk from local to national level through forming a disaster assessment form. In addition is the structure of law and order sub-headquarters to be deploy per government level that will evaluate the assessments per affected City, Province and Region.

Project Scope

- ✓ Identify the disaster and area affected
- ✓ Identify the hazard category and governance level
- ✓ Determine the rate of damage and victims affected
- ✓ Deploy relief services and support functions
- ✓ Communication between the respondents
- ✓ Centralized disaster assessment management system

Limitations

- ✓ Assessing volunteer must be registered as Disaster Coordination Council Officer per area of coverage
- ✓ Network Connectivity for transmission of data to sub-headquarters

II. Review of Related Literature



A proprietary mobile app which uses wireless mesh networking (Bluetooth or Wi-Fi) to enable smartphones communicate even without network or Internet connection.

Traditionally, users sent messages to each other through data or Wi-Fi networks. The messages are sent through a mobile network to a hotspot or cell phone tower. The data sent through to these data towers or Wi-Fi hotspots are then relayed through a centralized network and eventually the messages or data is received. During all this data transfer period, your VPN is tracked. Though you can use a VPN service to protect your mobile data, information about your network can be tracked.

Unlike most chatting apps, the FireChat doesn't rely solely on Wi-Fi or data – it doesn't even need a hotspot or centralized mobile network to relay data. Instead, the app relies on peer-to-peer connections through wireless mesh networking via Bluetooth or Wi-Fi, technology built in the phone. If the FireChat users are within 100 feet of each other, they can connect and share messages.

FireChat is a free mobile app that works where other apps can't: when there are no cell networks or Internet access. How is that possible? The app uses the radios inside phones to let users connect to each other for free, via Bluetooth and direct Wi-Fi, without going through a telecom operator. The more people use it, the better it gets. When there is no Internet, for example at a music event, on the train, on a plane, or at a sports game, you can continue chatting and sharing pictures with the people around you. This is called "The Internet of Us". It's peer-to-peer networks gone mainstream, just like peer-to-peer to share music.



Eden is a flexible humanitarian platform with a rich feature set which can be rapidly customized to adapt to existing processes and integrate with existing systems to provide effective solutions for critical humanitarian needs management either prior to or during a crisis. Sahana Eden's features are designed to help Disaster and Emergency Management practitioners to better mitigate, prepare for, respond to and recover from disasters more effectively and efficiently. Sahana Eden can provide valuable solutions for practitioners in Emergency Management, Humanitarian Relief and Social Development domains.

Sahana Software was initially developed by members of the information technology (IT) community in Sri Lanka to provide solutions for the relief effort following the 2004 Indian Ocean Tsunami. Sahana Eden is the latest evolution of this software and provides a solution to manage organizations, people, projects, inventory and assets as well as collecting information through assessments and providing situational awareness through maps. Sahana Eden can be accessed from the web or locally from a flash drive, allowing it to be used in environments with poor internet. Local & Web versions can be configured to synchronize to allow data to be shared between them. Sahana Eden is a project of the Sahana Software Foundation, whose mission is: To help alleviate human suffering by giving emergency managers, disaster response professionals and communities access to the information that they need to better prepare for and respond to disasters through the development and promotion of free and open source software and open standards. The project is supported by a voluntary community of Disaster Management practitioners, students, academics and companies. This community can provide a basic level of support to help you deploy and configure Sahana Eden. There are also companies, such as AidIQ, who provide professional services to customize and support Sahana Eden.

III. Technical Background



The Law and Order System will be made by the project team using a different software. The team will be using Laravel, a framework that intended for the development of web applications following the model-view-controller (MVC) architectural pattern. It also allows the team to have an easy time developing and accessing databases, which will be needed in the system since it intends to record all the accounts and reports that the users will be creating. In making the forms, the project team used JotForm. It is an online application that allows anyone to quickly create custom online forms. Its intuitive drag-and-drop user interface makes form building incredibly simple, and does not require to write a single line of code.

For hardware, the project team will be creating a website that would be accessible to both PC's or laptop and mobile phones; the team creates a different interface when users access the website using their mobile phones. For software, the users only need a web browser to access the website since it would be published on the world-wide web, the only thing they need to get into the system is any web browser and a connection to the internet. The system will be updated regularly to ensure users would have an easy time accessing and browsing the website. For the network, the users will need an internet connection to access the website; the internet is a crucial part of the network between the system and users because the system will be on the world-wide web.

Technical Requirements

- ✓ Dedicated Server(s) (sub-headquarter dashboards)
- ✓ Handheld/Mobile Device(s) (Android supported platform)
- ✓ Telecommunication Network (Internet)
- ✓ Communication Device(s) (Radios and Repeaters)

IV. Methodology, Results and Discussion

Requirement Analysis

Function Requirements

- The system supports users reports and can modify.
- The system administrator can edit or delete users reports.

Non-Function Requirements

- The system must be able to handle multiple reports a time.
- The system should support almost all the browsers, and most mobile devices.
- The system must provide users, the ground officials, 24/7 of service.

Requirement Documentation

User Guide

Describes what the system does, and how to use it. It must include installation instructions. It should be brief and informative. The project team is not required to offer training sessions for any users, only a demonstration session for the client, the NDRRMC.

Maintenance/Programmers Guide

A brief but informative guide which details key issues for anyone who may have to maintain the system. It should clearly describe what functionality is found in each class. The project team should be rigorous in their commenting of code to aid the construction of the maintenance guide and aid client readability.

Description of the Prototype, where applicable

A prototype is an initial formation of a product that demonstrates the basics of what a product will resemble, what the product will do, and how the product operates. It is not intended to be the final form; it is the unfinished version type of the product. It helps people to get a solid idea of what the product will be and adjust while it is still in concept mode.

After brainstorming with the professor and different clusters, the project team could gain more details and procedures that should consider in creating the system. Requirement gathering process was done by using a few strategies such as research and brainstorm. Researching and brainstorming on the process of NDRRMC is beneficial to the system and clear out numerous distinctions in regards to necessities about the system.

The project team made a working prototype of a website that serves as a dashboard for Law & Order. This prototype can be worked on both front-end (user) and backend (administrator). Every user must make an account that requires unique username and password. Its processes are to keep track of reports, and receiving and sending reports to others clusters.

V. CONCLUSIONS AND RECOMMENDATIONS

Conclusion

To conclude, the Law and Order System was developed for the NDRRMC. The said system serves users in a better way that it keeps proper records of users reports for security purposes. The project team could analyze the process of NDRRMC and could make a working prototype for users and system administrator. The project team created a website for the NDRRMC, that serves as a dashboard for Law & Order. In the backend, the database and forms were generated for the system administrator to view, create, update, and delete records of reports.

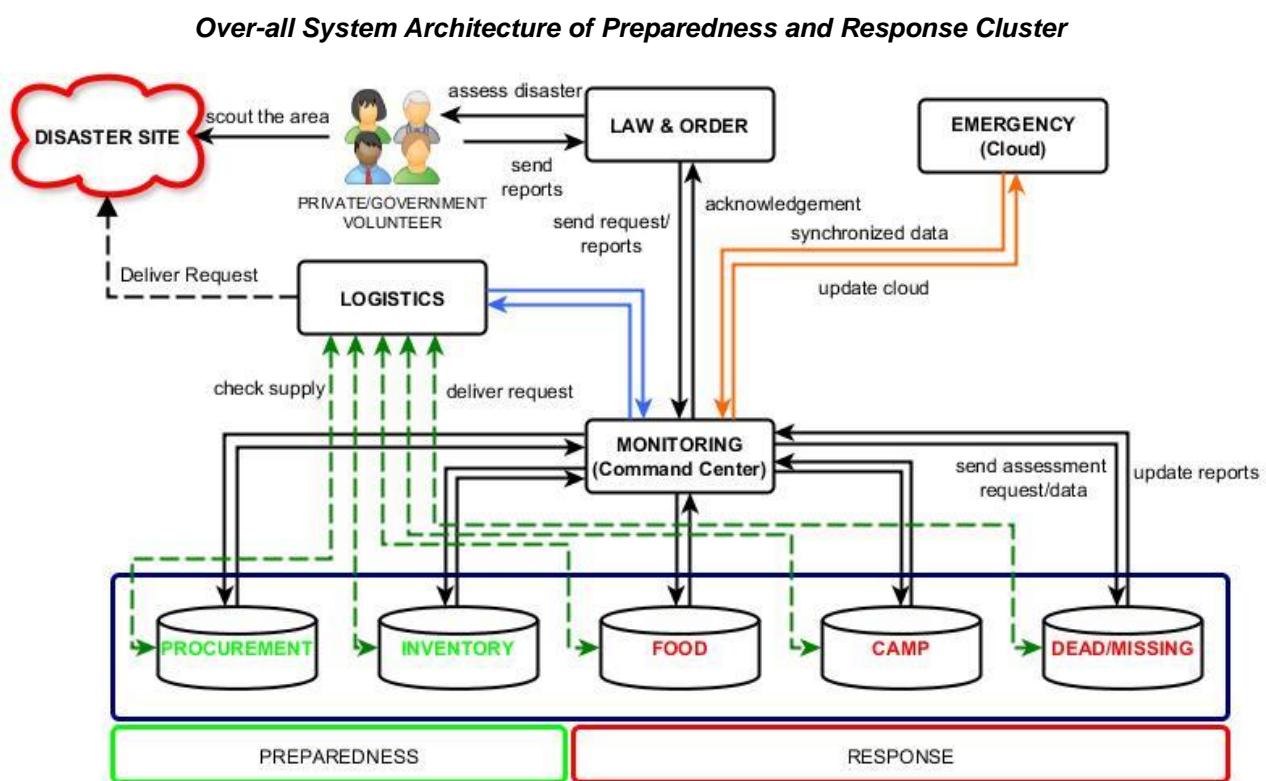
Recommendation(s)

The project team would like to recommend the use of the working prototype of the proposed Law and Order System:

- For students that will be interested for this study and would like to continue the research, the project team recommends them to enhance more the system.
- For researcher/s, the project team recommends them to make the design more enhance and attractive for the NDRRMC and users.
- The project would like to recommend to put some easy tip or make a manual guide for users that will automatically appear in the system to be user friendly.

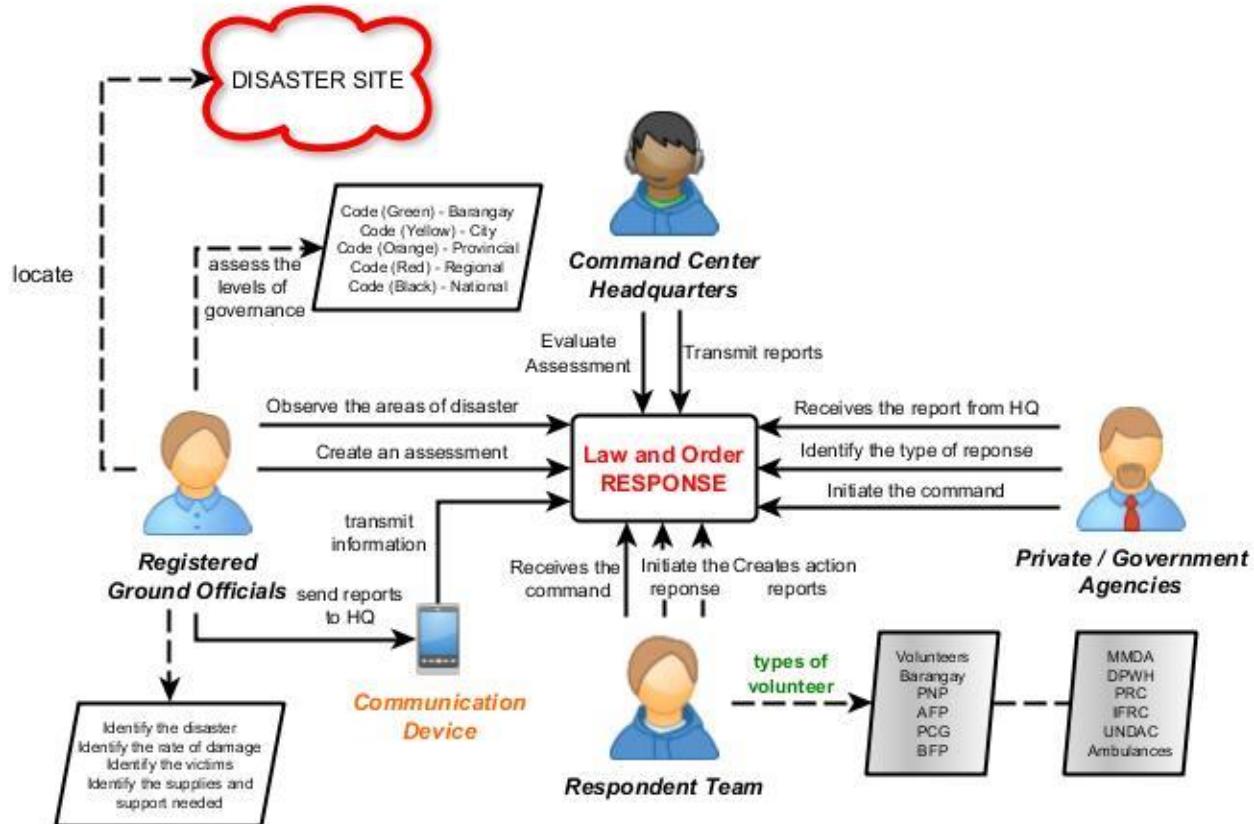
VI. Appendices

System Diagrams

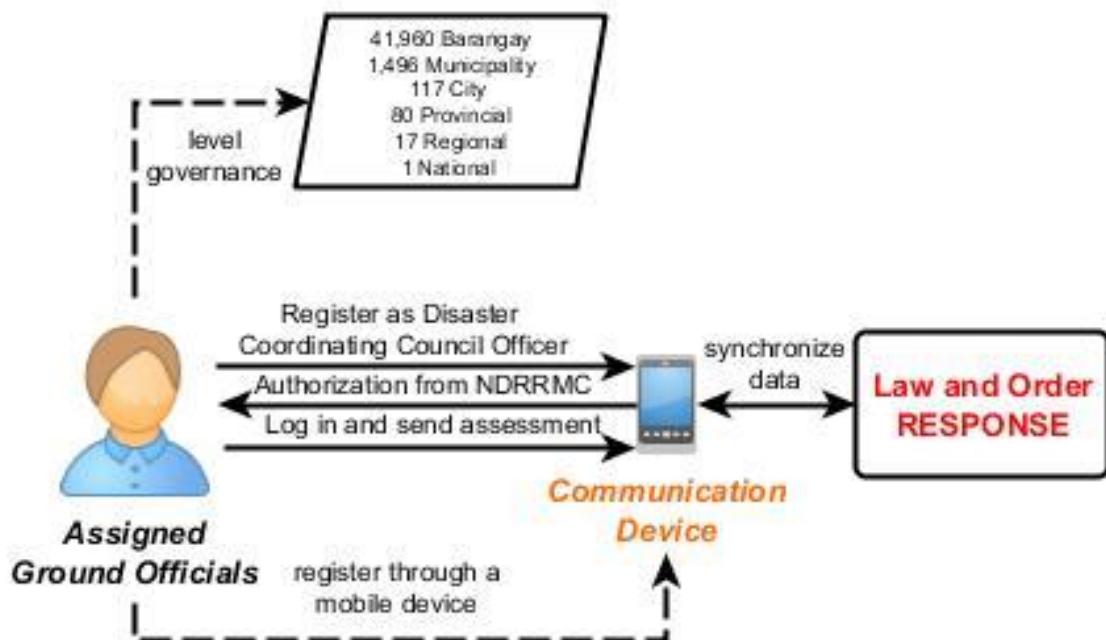


Developed by: Law and Order group

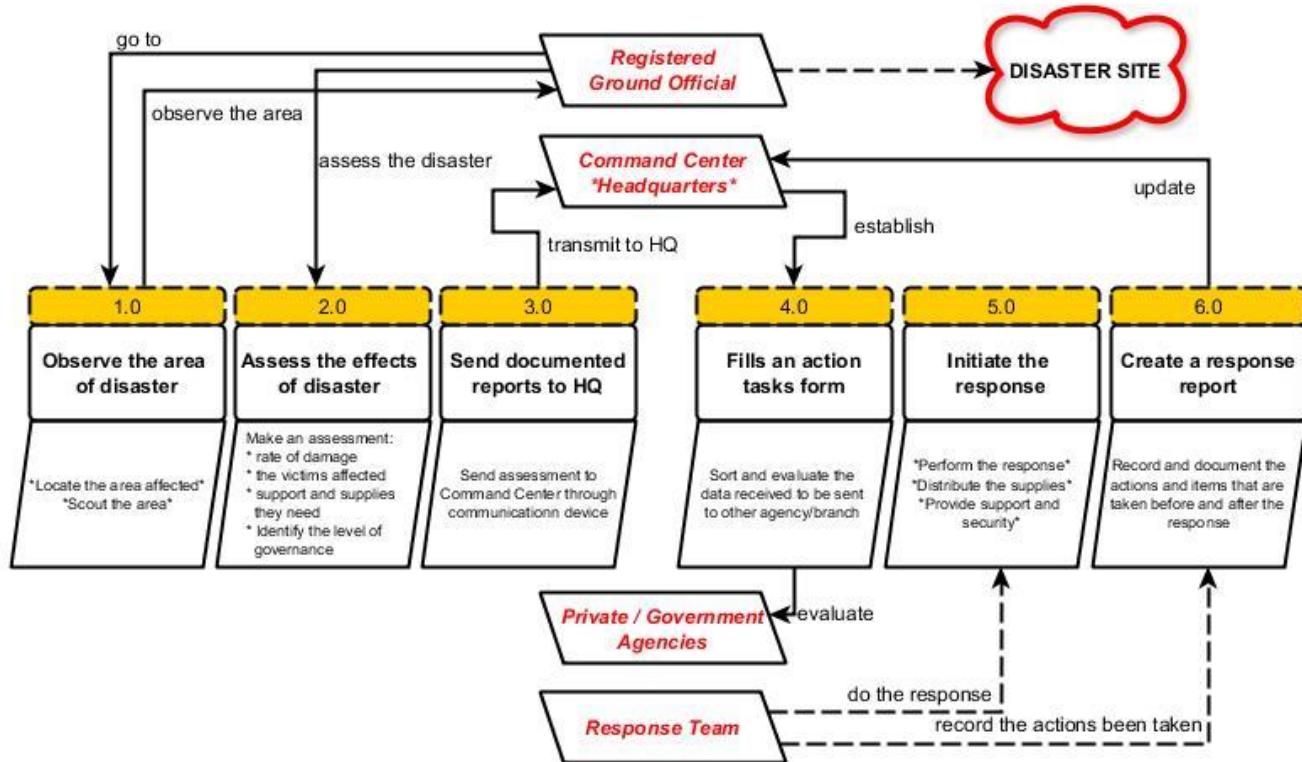
Context-Flow Diagram (System)



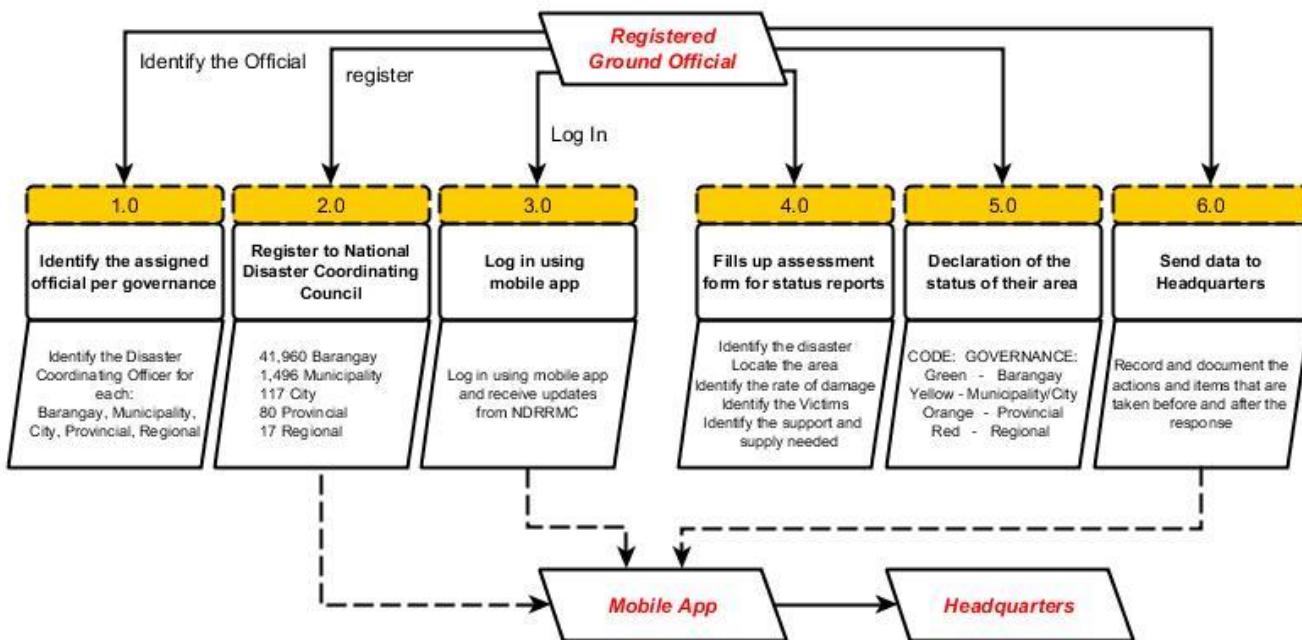
Context-Flow Diagram (User)



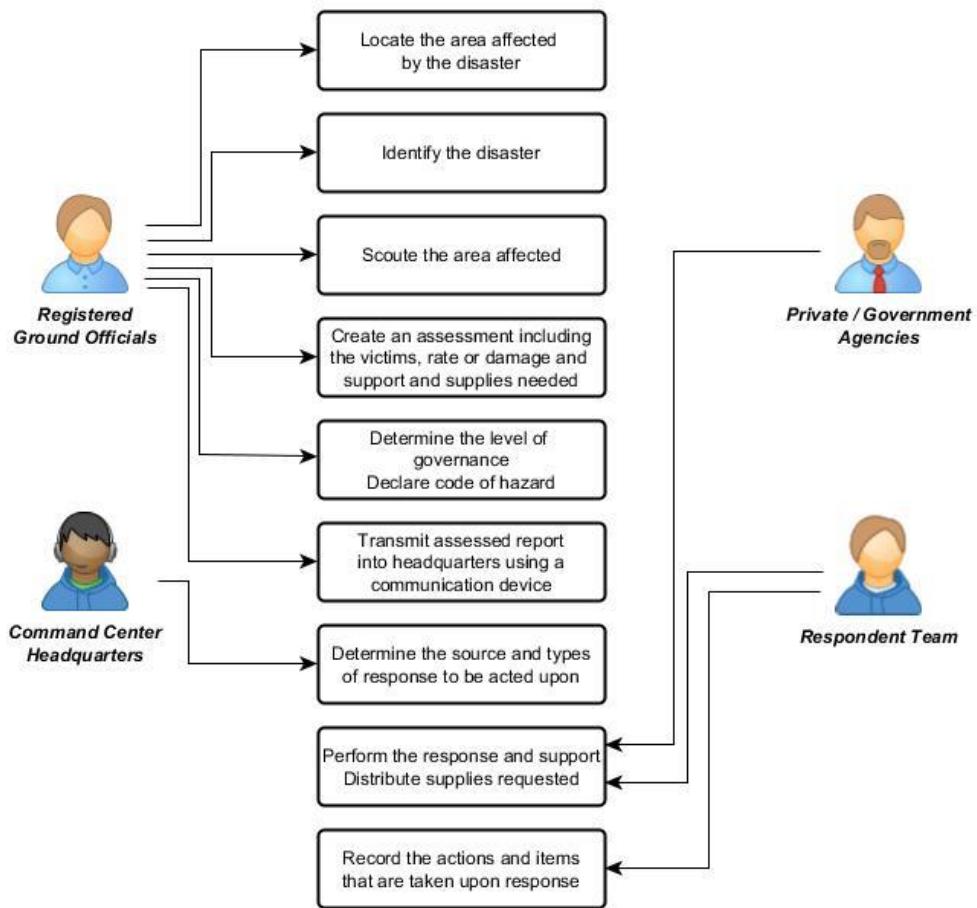
Data Flow Diagram (System)



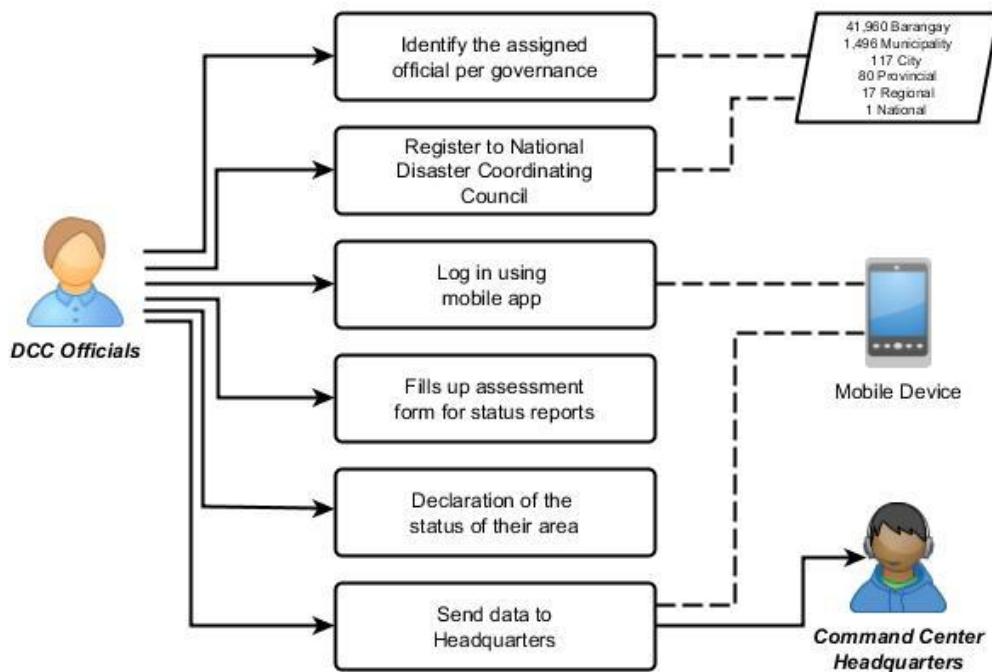
Data Flow Diagram (User)



User Case Diagram (System)



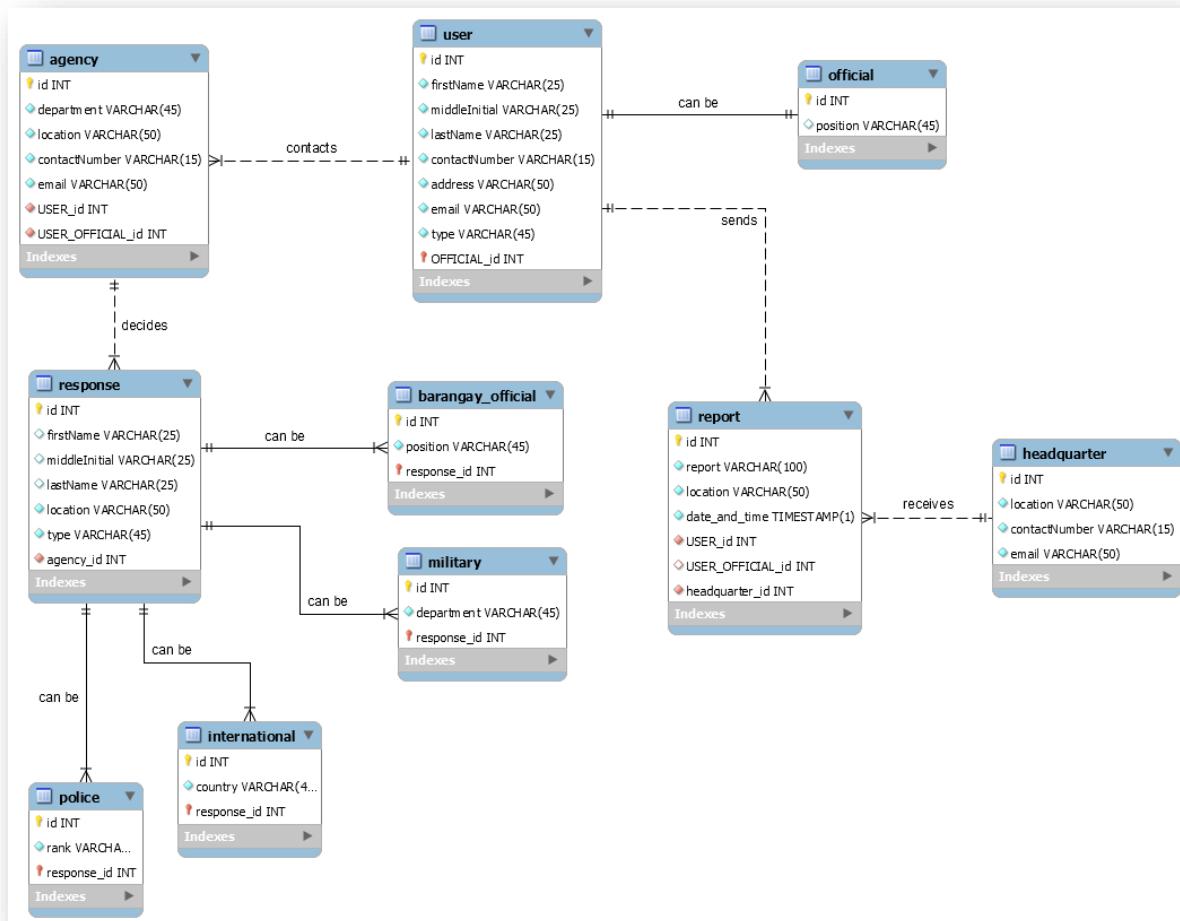
User Case Diagram (User)



Event Table

EVENT	TRIGGER	SOURCE	USE CASE	RESPONSE	DESTINATION
OBSERVE THE AREA OF DISASTER	Go to affected areas of disaster	Areas of Disaster	Observe the areas of disaster	Observe the areas of disaster	Ground Official
ASSESS THE LEVEL OF DISASTER	To go and observe the areas of disaster	Areas of Disaster	Identify the level of disaster	Identifying the level of disaster	Ground Official
SEND DOCUMENTED REPORTS	To document the reports within the areas of disaster	Ground Official	Transmits the documented reports	Send documented reports using a communication device	Command Center Headquarters
FILLS AN ACTION TASK FORM	To receive the documented reports	Command Center Headquarters	Fills an action tasks form	Review and sort the report of the areas of disaster	Government / Agency
INITIATE THE RESPONSE	Identify the type of response	Government / Agency	Deploy the assigned respondents	Initiate the action plan	Respondents
CREATE RESPONSE REPORT	Record the actions that was done	Respondents	Create a response report	Document the actions that are taken	Command Center Headquarters

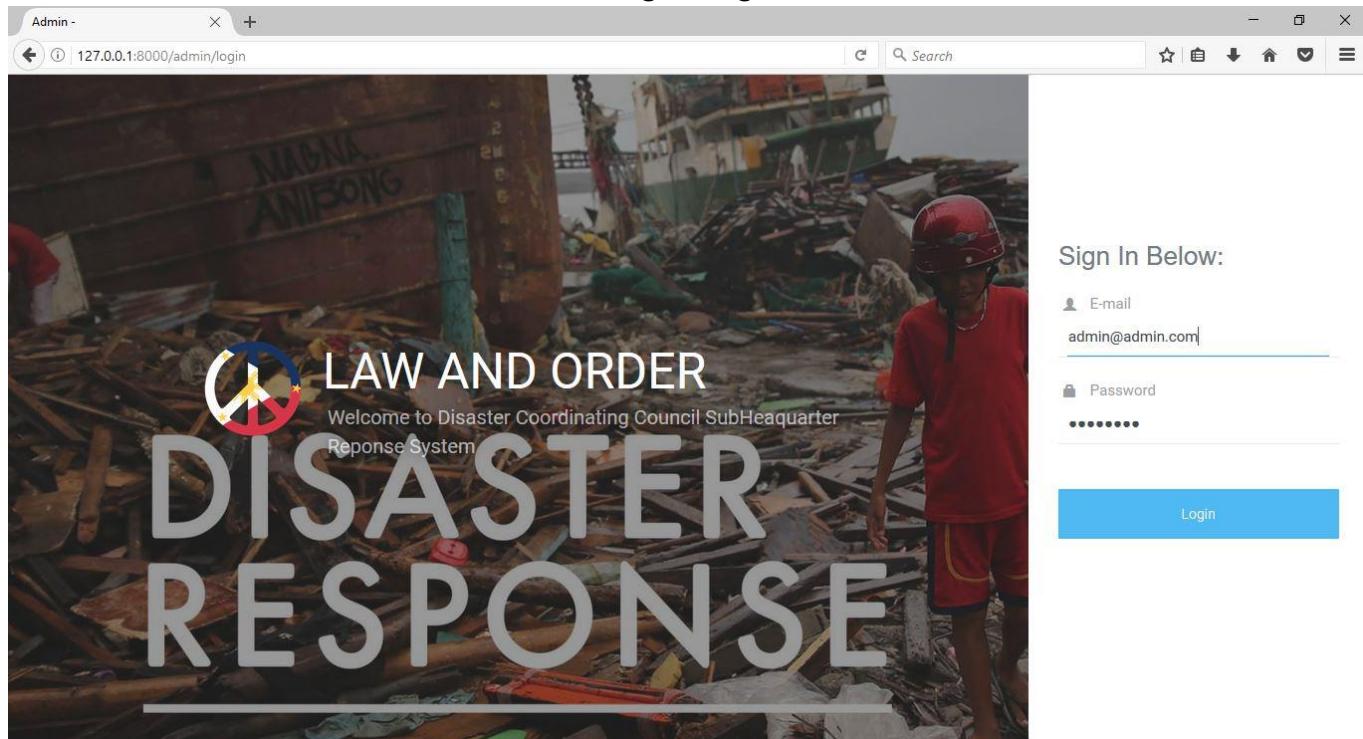
Entity-Relationship Diagram



Prototype Screenshots

Dashboard

Log In Page



Dashboard Homepage

The screenshot shows a browser window titled 'Law and Order - Welcome...' with the URL '127.0.0.1:8000/admin'. The dashboard has a sidebar with various icons. The main area displays three cards: '9 users' (with a photo of people in a boat), '7 posts' (with a photo of people in a boat), and '1 page' (with a photo of a person). Each card has a 'View all [category]' button at the bottom. Below the cards is a message: 'This dashboard provides supports for comprehensive, structured and well-defined approach to disaster response. See PHILIPPINE NATIONAL DISASTER RESPONSE PILLAR for your guide. Go to: <https://responseops.ph>'.

Side Bar Menu

The screenshot shows a web browser window with the URL 127.0.0.1:8000/admin. On the left is a dark sidebar with a blue header "LAW AND ORDER" containing icons and labels for Dashboard, Roles, Users, Media, Posts, Pages, Categories, Tools, and Settings. The main content area has a header "Administrator". It features three cards: "Users" (9 users, view all users), "Posts" (7 posts, view all posts), and "Pages" (1 page, view all pages). Below these is a message about the dashboard's purpose and a link to [PHILIPPINE NATIONAL DISASTER RESPONSE PILLAR](https://responseops.ph).

Current User

The screenshot shows the same web browser window. A user profile overlay is visible on the right, showing a circular profile picture of a person in a red uniform, the name "Administrator", and the email "admin@admin.com". Below the profile are links for "Profile", "Home", and a prominent red "Logout" button. The main content area remains the same as in the previous screenshot.

Roles

The screenshot shows a web-based administrative interface titled "All Roles". The URL is 127.0.0.1:8000/admin/roles. The page has a sidebar on the left with various icons. The main content area shows a table of roles:

Name	Display Name	Actions
User	User-Coordinator	<button>View</button> <button>Edit</button> <button>Delete</button>
Administrator	Administrator	<button>View</button> <button>Edit</button> <button>Delete</button>

Below the table, it says "Showing 1 to 2 of 2 entries". At the bottom right, there are navigation buttons for "Previous", "1", and "Next".

Add new role

The screenshot shows a "COMMAND & CONTROL ..." page with a URL of 127.0.0.1:8000/admin/roles/create. The sidebar on the left includes an icon for "New Role". The main form is titled "Add New Role" and contains the following fields:

- Name: A text input field containing "Name".
- Display Name: A text input field containing "Display Name".
- Permissions:
 - Select All / Deselect All
 - Browse Admin
 - Browse Database
 - Browse Media
 - Browse Settings
- Menus

Edit Role

Screenshot of the 'Edit Role' page in the Command & Control system.

The URL is 127.0.0.1:8000/admin/roles/1/edit.

Left sidebar icons: Home, Dashboard, Roles, Edit, Settings.

Page title: Edit Role.

Form fields:

- Name: User
- Display Name: User-Coordinator
- Permissions:
 - Select All / Deselect All
 - Browse Admin
 - Browse Database
 - Browse Media
 - Browse Settings

Users

Screenshot of the 'Users' page in the Command & Control system.

The URL is 127.0.0.1:8000/admin/users.

Left sidebar icons: Home, Dashboard, Users, Add New, Settings.

Page title: Users.

Table headers:

Name	Email	Created At	Avatar	Role	Actions
------	-------	------------	--------	------	---------

Table data:

Monitoring (Command Center) Coordinator	dswd_monitoring	March 28th, 2017 06:13 AM		User-Coordinator	Edit Delete View
Emergency Coordinator	ocd_emergnecy	March 28th, 2017 06:12 AM		User-Coordinator	Edit Delete View
Logistics Coordinator	ocd_logisitcs	March 28th, 2017 06:07 AM		User-Coordinator	Edit Delete View

Add new user

COMMAND & CONTROL ... X +

127.0.0.1:8000/admin/users/create

Dashboard > Users > Create

New User

Add New User

Name

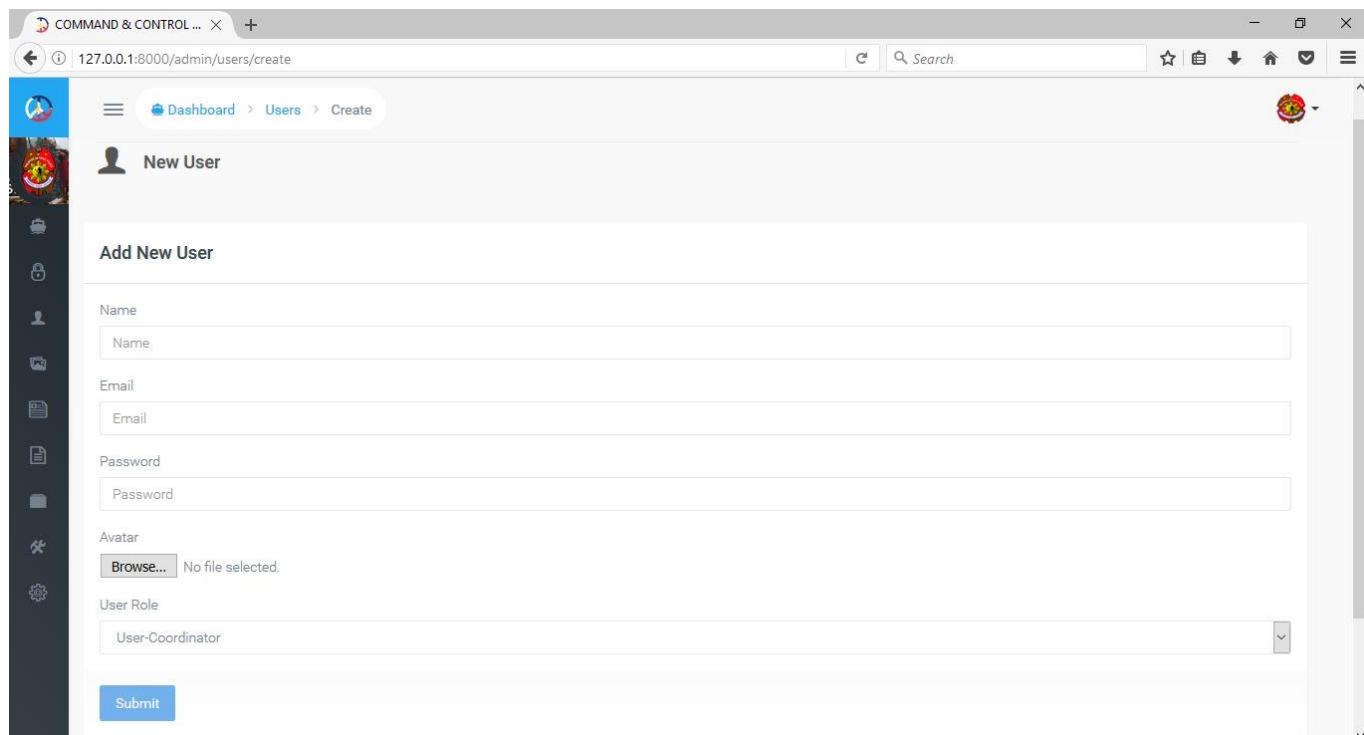
Email

Password

Avatar Browse... No file selected.

User Role User-Coordinator

Submit



Edit user

COMMAND & CONTROL ... X +

127.0.0.1:8000/admin/users/10/edit

Dashboard > Users > Edit

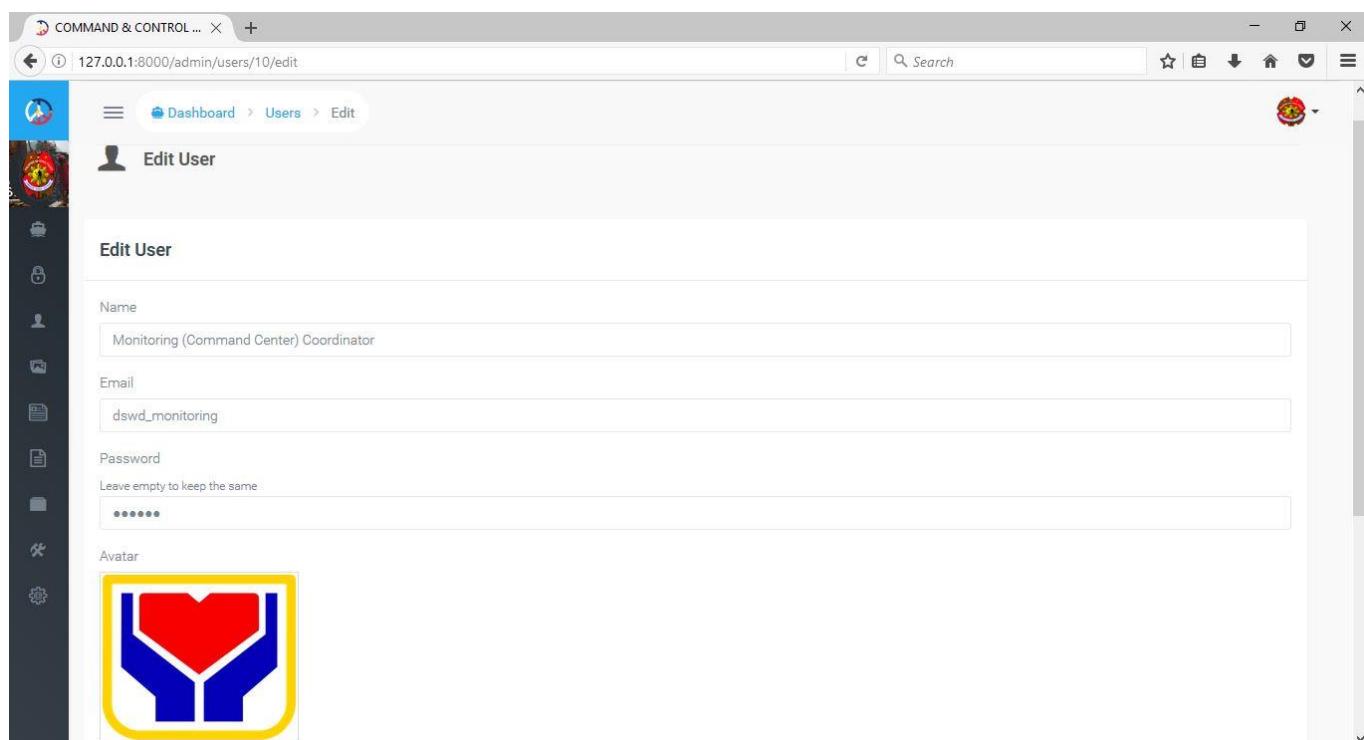
Edit User

Name Monitoring (Command Center) Coordinator

Email dswd_monitoring

Password Leave empty to keep the same

Avatar 



Media resources storage

The screenshot shows a web-based media management interface. On the left is a vertical sidebar with various icons. The main area has a header bar with a search field and a 'Media' section. Below the header is a toolbar with buttons for Upload, Add folder, Move, Rename, and Delete. A 'Media Library' section displays several items: '.gitignore' (14 Bytes), 'MArch 28, 2017', 'pages', 'posts', 'Private and', 'settings', and 'users'. To the right of the library, a detailed view of the '.gitignore' file is shown, including its title, type, size, public URL, and last modified date.

Upload resources

The screenshot shows the same media management interface. A 'File Upload' dialog box is open in the center, showing a file selection window. The window displays a folder structure under 'LawAndOrder-Pictures > Disasters'. It lists several image files: 1.jpg, 2.jpg, 3.jpg, 4.jpg, baguio_landslide.jpg, bodybags.jpg, downElectrical_lines.jpg, and marikina_flood.jpg. Below the list is a 'File name:' input field, a 'File type:' dropdown set to 'All Files (*.*)', and two buttons: 'Open' and 'Cancel'. The background shows the same media library and sidebar as the previous screenshot.

Posts

All Posts +

127.0.0.1:8000/admin/posts

Dashboard > Posts

Posts Add New

Show 10 entries Search:

Title	Post Image	status	created_at	seo_title	featured	Actions
Typhoon Yolanda Hit Tacloban, Leyte		PUBLISHED	2017-03-31 06:15:00		1	View Edit Delete
Need Transportation Vehicles		PUBLISHED	2017-03-30 14:42:58		1	View Edit Delete
Request for relief and support		PUBLISHED	2017-03-30 14:41:25		0	View Edit Delete
Search and Rescue Team		PUBLISHED	2017-03-30 14:39:52		1	View Edit Delete
Down Electrical and Comm Lines		PUBLISHED	2017-03-30 14:38:05		0	View Edit Delete

Add new post

Add Post +

127.0.0.1:8000/admin/posts/create

Dashboard > Posts > Create

New Post

Assessment Form
Headline for your Assessment

Title

Post Content

Formats B I U A [bold italic underline strikethrough superscript subscript] [list list-item bullet] [table] [image] [video] [link] [code]

Post Details

Post ID: id

Post Status: published

Category Level (Code): Code (YELLOW) "Moderate Casualties" State

Priority:

Site Image Taken

Browse... No file selected.

Edit post

Screenshot of the 'Edit Post' page in a web application.

The URL is 127.0.0.1:8000/admin/posts/24/edit

Post Details:

- Post ID: 1
- Post Status: published
- Category Level (Code): Code (YELLOW) "Moderate Casualties" State
- Priority:

Assessment Form:

Headline for your Assessment: Typhoon Yolanda Hit Tacloban, Leyte

Post Content:

Formats: B I U A

Inspector/Ground Official: Bartolome P. San Jose
Id No: 02-2103

Date Reported: 03/31/2017
Time Reported: 22:50 hr

Disaster Code: "BLACK" National / Emergency State
Area Affected:

Site Image Taken: (Thumbnail image of a disaster scene)

Pages

Screenshot of the 'All Pages' page in a web application.

The URL is 127.0.0.1:8000/admin/pages

Pages:

Add New

title	status	created_at	image	Actions
Typhoon Yolanda	ACTIVE	2017-03-16 16:46:31		View Edit Delete

Show 10 entries Search: _____

Showing 1 to 1 of 1 entries Previous 1 Next

Add new page

The screenshot shows the 'Add New Page' form. It includes fields for 'title' (with placeholder 'title'), 'excerpt' (an empty text area), and 'body' (a rich text editor with a toolbar). A sidebar on the left contains various icons for file management and settings.

Edit page

The screenshot shows the 'Edit Page' form. The 'title' field is populated with 'Typhoon Yolanda'. The 'excerpt' and 'body' fields are empty. The interface is identical to the 'Add new page' screen, with a sidebar on the left.

Database (MySQL)

Dashboard

The screenshot shows the phpMyAdmin interface for the 'lawandorder' database. The left sidebar lists various databases and their tables. The main area displays a table of 16 tables with columns for Action, Table, Rows, Type, Collation, Size, and Overhead. The 'users' table has 251 rows and is the largest, while other tables like 'password_resets' have 0 rows.

Action	Table	Rows	Type	Collation	Size	Overhead
Browse Structure Search Insert Empty Drop	categories	5	InnoDB	utf8_unicode_ci	48 Kib	-
Browse Structure Search Insert Empty Drop	data_rows	51	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	data_types	6	InnoDB	utf8_unicode_ci	48 Kib	-
Browse Structure Search Insert Empty Drop	menus	1	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	menu_items	11	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	migrations	19	InnoDB	utf8_unicode_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	pages	1	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	password_resets	0	InnoDB	utf8_unicode_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	permissions	34	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	permission_groups	0	InnoDB	utf8_unicode_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	permission_role	68	InnoDB	utf8_unicode_ci	48 Kib	-
Browse Structure Search Insert Empty Drop	posts	7	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	roles	2	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	settings	9	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	translations	28	InnoDB	utf8_unicode_ci	32 Kib	-
Browse Structure Search Insert Empty Drop	users	9	InnoDB	utf8_unicode_ci	32 Kib	-
16 tables	Sum	251	InnoDB	latin1_swedish_ci	512 Kib	0 B

Mobile Application

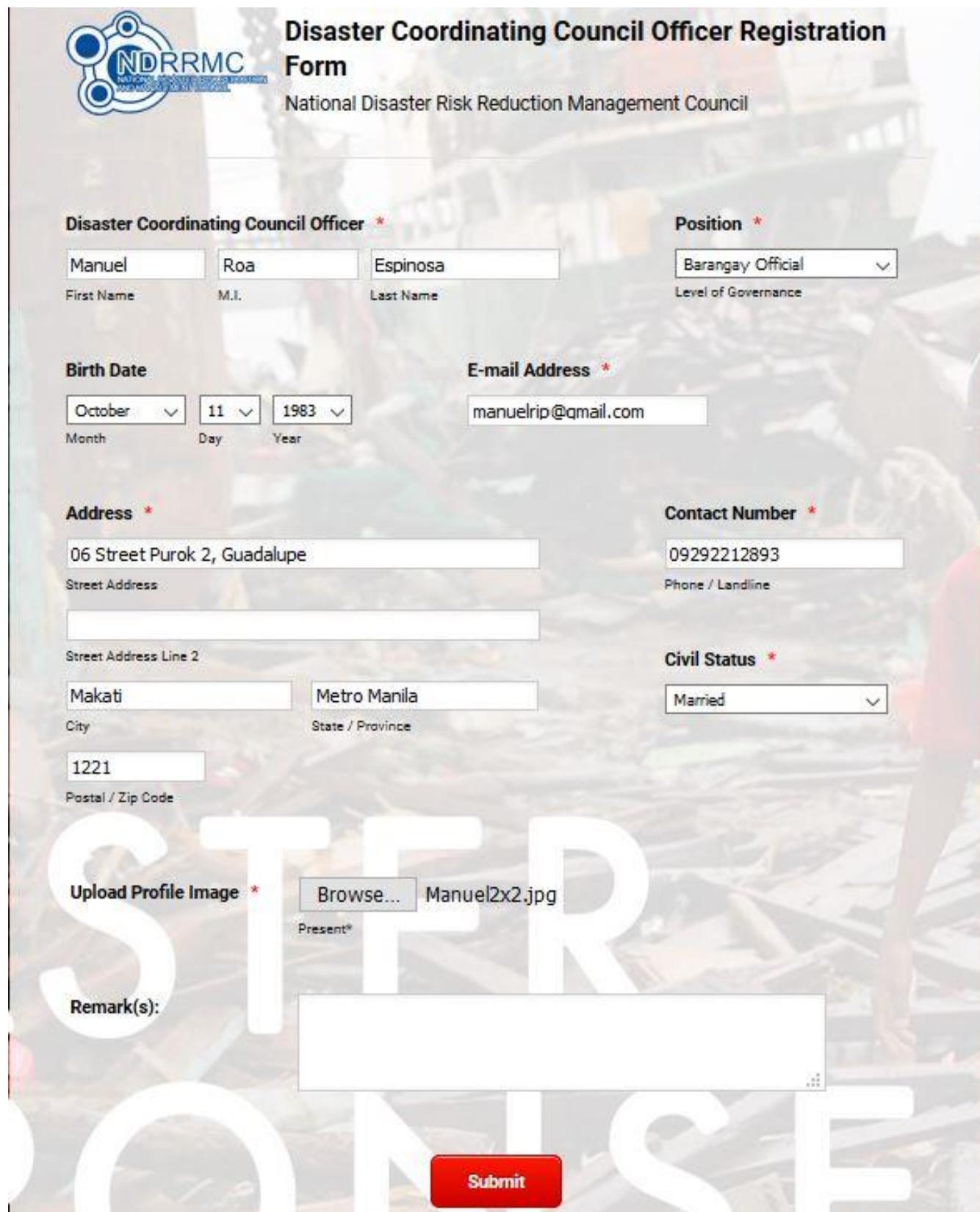
The screenshot shows the phpMyAdmin interface for the 'law_and_order' database. The left sidebar lists various databases and their tables. The main area displays a table of 5 tables with columns for Action, Table, Rows, Type, Collation, Size, and Overhead. The 'regional_disaster_assessment_form' table has 19 rows and is the largest, while others like 'ndcc_officer_registration_form' have 2 rows.

Action	Table	Rows	Type	Collation	Size	Overhead
Browse Structure Search Insert Empty Drop	lgu_disaster_assessment_report_form	5	InnoDB	latin1_swedish_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	national_disaster_assessment_form	9	InnoDB	latin1_swedish_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	ndcc_officer_registration_form	2	InnoDB	latin1_swedish_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	provincial_city_municipal_disaster_assessment_form	1	InnoDB	latin1_swedish_ci	16 Kib	-
Browse Structure Search Insert Empty Drop	regional_disaster_assessment_form	2	InnoDB	latin1_swedish_ci	16 Kib	-
5 tables	Sum	19	InnoDB	latin1_swedish_ci	60 Kib	0 B

A 'Create table' dialog is open at the bottom, showing fields for Name: ' ', Number of columns: '4', and a Go button.

Mobile Application

Mobile (Registration)



The image shows a mobile application interface for "Disaster Coordinating Council Officer Registration Form" from the National Disaster Risk Reduction Management Council (NDRRMC). The form is set against a background of a disaster scene with debris.

Disaster Coordinating Council Officer *

First Name: Manuel	M.I.: Roa	Last Name: Espinosa
--------------------	-----------	---------------------

Position *

Level of Governance: Barangay Official
--

Birth Date

Month: October	Day: 11	Year: 1983
----------------	---------	------------

E-mail Address *

Address *

Street Address: 06 Street Purok 2, Guadalupe
--

Street Address Line 2:

Makati	Metro Manila
--------	--------------

City: Makati
State / Province: Metro Manila
Postal / Zip Code: 1221

Contact Number *

Phone / Landline

Civil Status *

Married

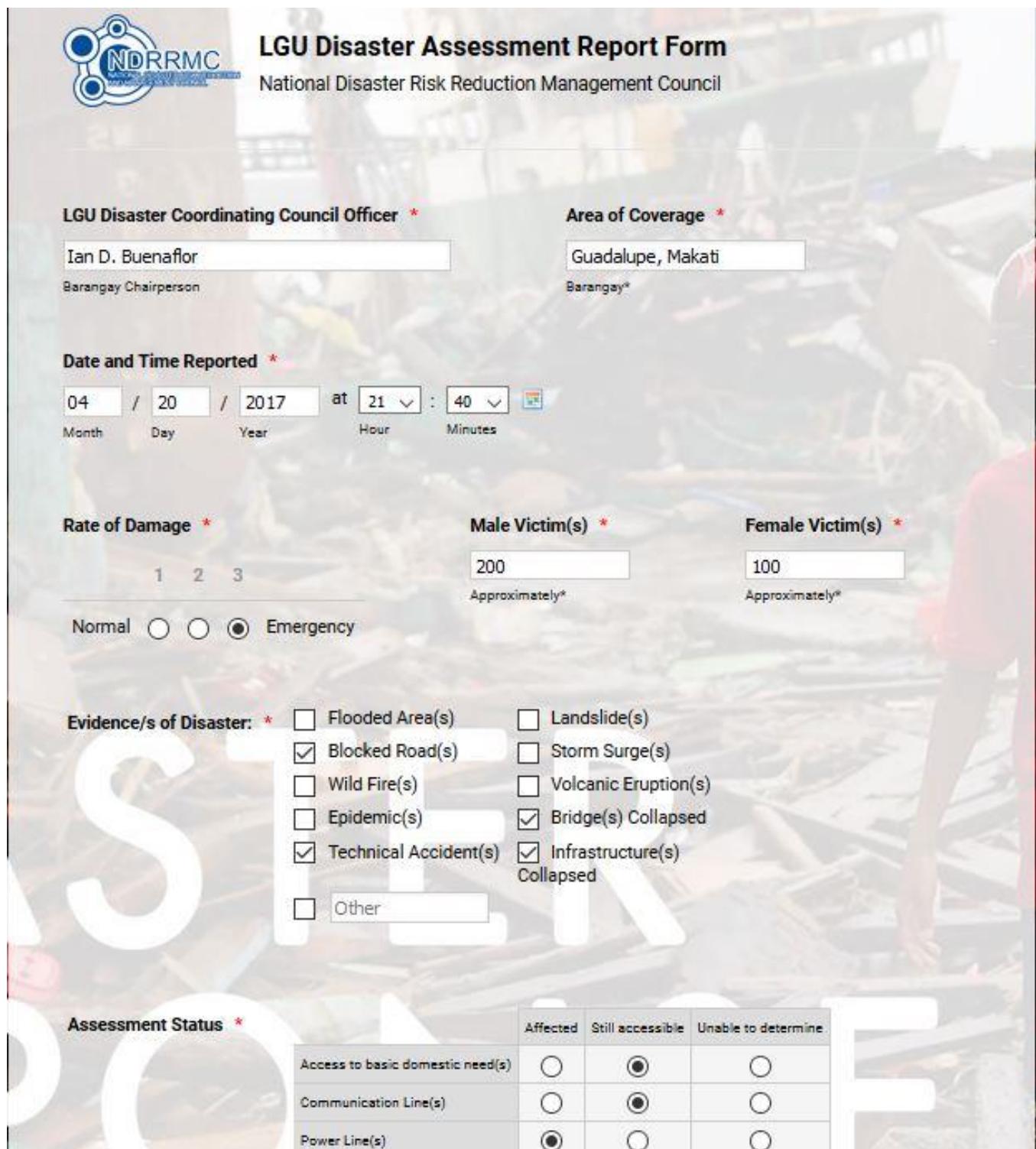
Upload Profile Image *

Browse... Manuel2x2.jpg
Present*

Remark(s):

Submit

LGU Disaster Assessment Form (Mobile)



The image shows a mobile version of the LGU Disaster Assessment Report Form. At the top left is the NDRRMC logo. The title "LGU Disaster Assessment Report Form" and subtitle "National Disaster Risk Reduction Management Council" are centered above the form fields.

LGU Disaster Coordinating Council Officer *
Ian D. Buenaflor
Barangay Chairperson

Area of Coverage *
Guadalupe, Makati
Barangay*

Date and Time Reported *
04 / 20 / 2017 at 21 : 40

Month Day Year Hour Minutes

Rate of Damage *
1 2 3
Normal Emergency

Male Victim(s) *
200
Approximately*

Female Victim(s) *
100
Approximately*

Evidence/s of Disaster: *

<input type="checkbox"/> Flooded Area(s)	<input type="checkbox"/> Landslide(s)
<input checked="" type="checkbox"/> Blocked Road(s)	<input type="checkbox"/> Storm Surge(s)
<input type="checkbox"/> Wild Fire(s)	<input type="checkbox"/> Volcanic Eruption(s)
<input type="checkbox"/> Epidemic(s)	<input checked="" type="checkbox"/> Bridge(s) Collapsed
<input checked="" type="checkbox"/> Technical Accident(s)	<input checked="" type="checkbox"/> Infrastructure(s) Collapsed
<input type="checkbox"/> Other	

Assessment Status *

	Affected	Still accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Assessment Status *	Affected	Still accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Relief Services and Assistance required *

- Search and Rescue Team
- Transportation Vehicle/s
- Medical and Emergency Team
- Food and Non-Food Supplies
- Camp and Shelter
- Emergency Telecommunication
- Engineers
- Security Personnel/s
- Other

Site Description: Guadalupe bridge collapsed due to magnitude 7.9 earthquake

Status of the area(s) affected*

Address Map Locator *

Map showing the location of Guadalupe Bridge, Mandaluyong, NCR, Philippines. The map includes labels for Coronado, Guadalupe, Bernardino, San Jose Street, Guijo, Guiho st., P. Burgos, and R-4/AH26. A Google logo is visible in the bottom left corner of the map area.

Address	Guadalupe Bridge, Mandaluyong, NCR, Philippines
Latitude	14.56838
Longitude	121.04610
Province	Metro Manila
Country	PHILIPPINES

Take Photo:

LIVE

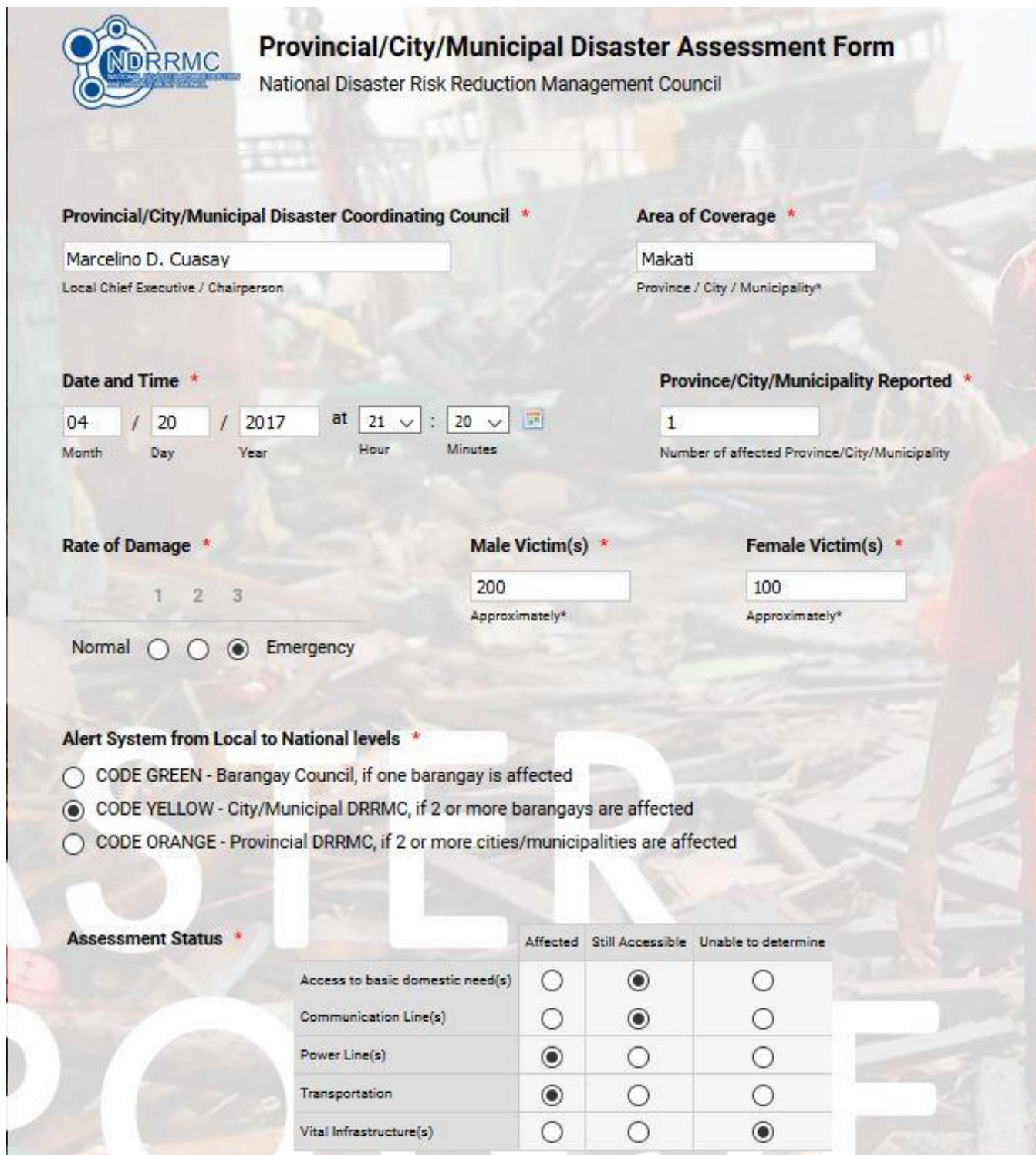
Submit

Clear Form

Generate Report

Powered by JotForm

Provincial/City/Municipal Disaster Assessment Form (Mobile)



NDRRMC
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

Provincial/City/Municipal Disaster Assessment Form

National Disaster Risk Reduction Management Council

Provincial/City/Municipal Disaster Coordinating Council *

Marcelino D. Cuasay
Local Chief Executive / Chairperson

Area of Coverage *

Makati
Province / City / Municipality*

Date and Time *

04 / 20 / 2017 at 21 : 20 

Month Day Year Hour Minutes

Province/City/Municipality Reported *

1
Number of affected Province/City/Municipality

Rate of Damage *

1 2 3
Normal Emergency

Male Victim(s) *
200
Approximately*

Female Victim(s) *
100
Approximately*

Alert System from Local to National levels *

CODE GREEN - Barangay Council, if one barangay is affected
 CODE YELLOW - City/Municipal DRRMC, if 2 or more barangays are affected
 CODE ORANGE - Provincial DRRMC, if 2 or more cities/municipalities are affected

Assessment Status *

	Affected	Still Accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Relief Services and Assistance required *

- Search and Rescue Team
- Transportation Vehicle/s
- Medical and Emergency Team
- Food and Non-Food Supplies
- Camp and Shelter
- Emergency Telecommunication
- Engineers
- Security Personnel/s
- Other

Site Description

Guadalupe bridge collapsed due to magnitude 7.9 earthquake

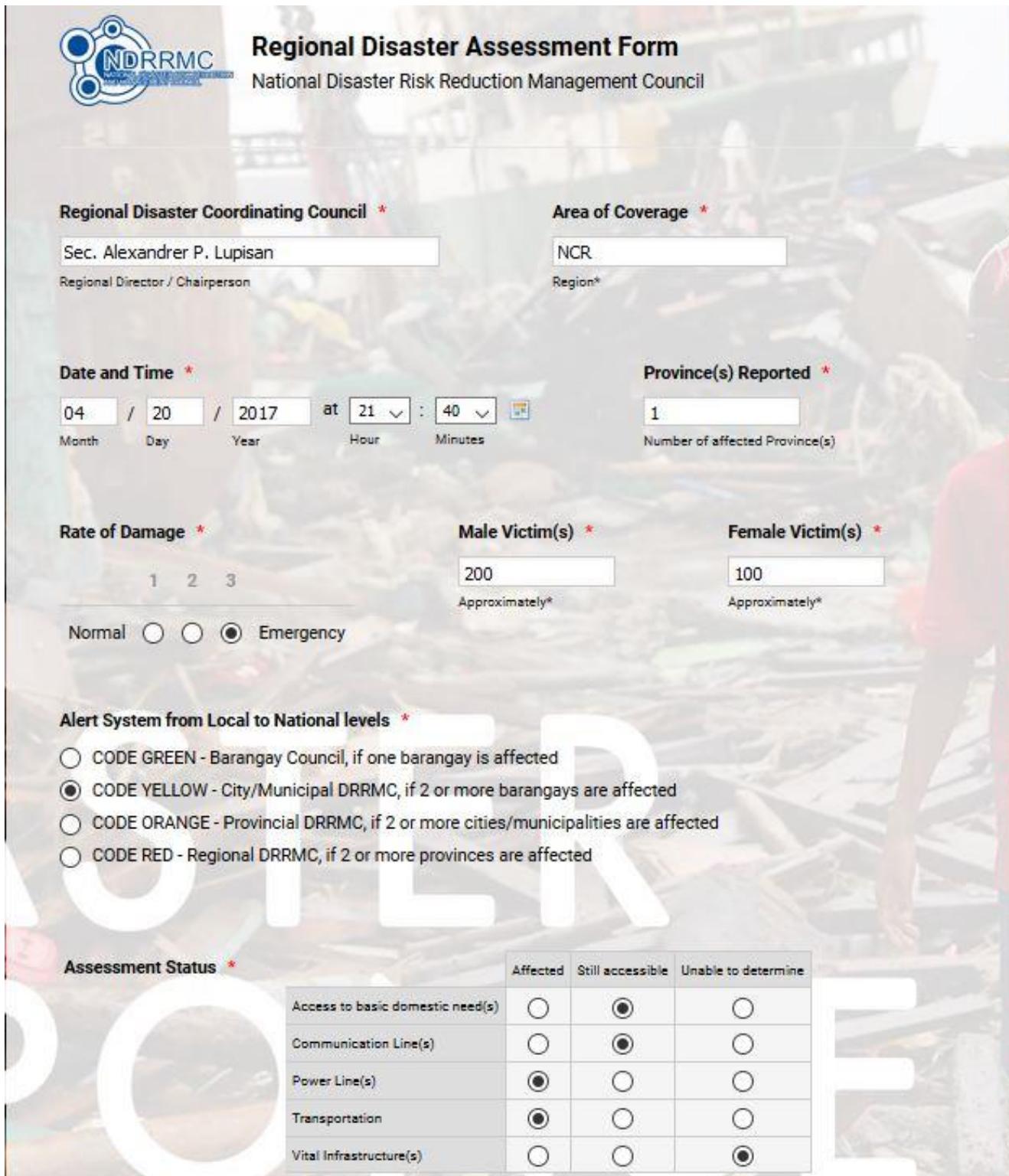
Status of the area(s) affected*

Upload Files

Guadalupe bridge.JPG
Image(s)/Video(s)

Powered by JotForm

Regional Disaster Assessment Form (Mobile)



NDRRMC
National Disaster Risk Reduction Management Council

Regional Disaster Coordinating Council *
Sec. Alexandrer P. Lupisan
Regional Director / Chairperson

Area of Coverage *
NCR
Region*

Date and Time *
04 / 20 / 2017 at 21 : 40 
Month Day Year Hour Minutes

Province(s) Reported *
1
Number of affected Province(s)

Rate of Damage *
1 2 3
Normal Emergency

Male Victim(s) *
200
Approximately*

Female Victim(s) *
100
Approximately*

Alert System from Local to National levels *
 CODE GREEN - Barangay Council, if one barangay is affected
 CODE YELLOW - City/Municipal DRRMC, if 2 or more barangays are affected
 CODE ORANGE - Provincial DRRMC, if 2 or more cities/municipalities are affected
 CODE RED - Regional DRRMC, if 2 or more provinces are affected

Assessment Status *

	Affected	Still accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Assessment Status *	Affected	Still accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Relief Services and Assistance required *

- Search and Rescue Team
- Transportation Vehicle/s
- Medical and Emergency Team
- Food and Non-Food Supplies
- Camp and Shelter
- Emergency Telecommunication
- Engineers
- Security Personnel/s
- Other

Site Description

Guadalupe bridge collapsed due to magnitude 7.9 earthquake

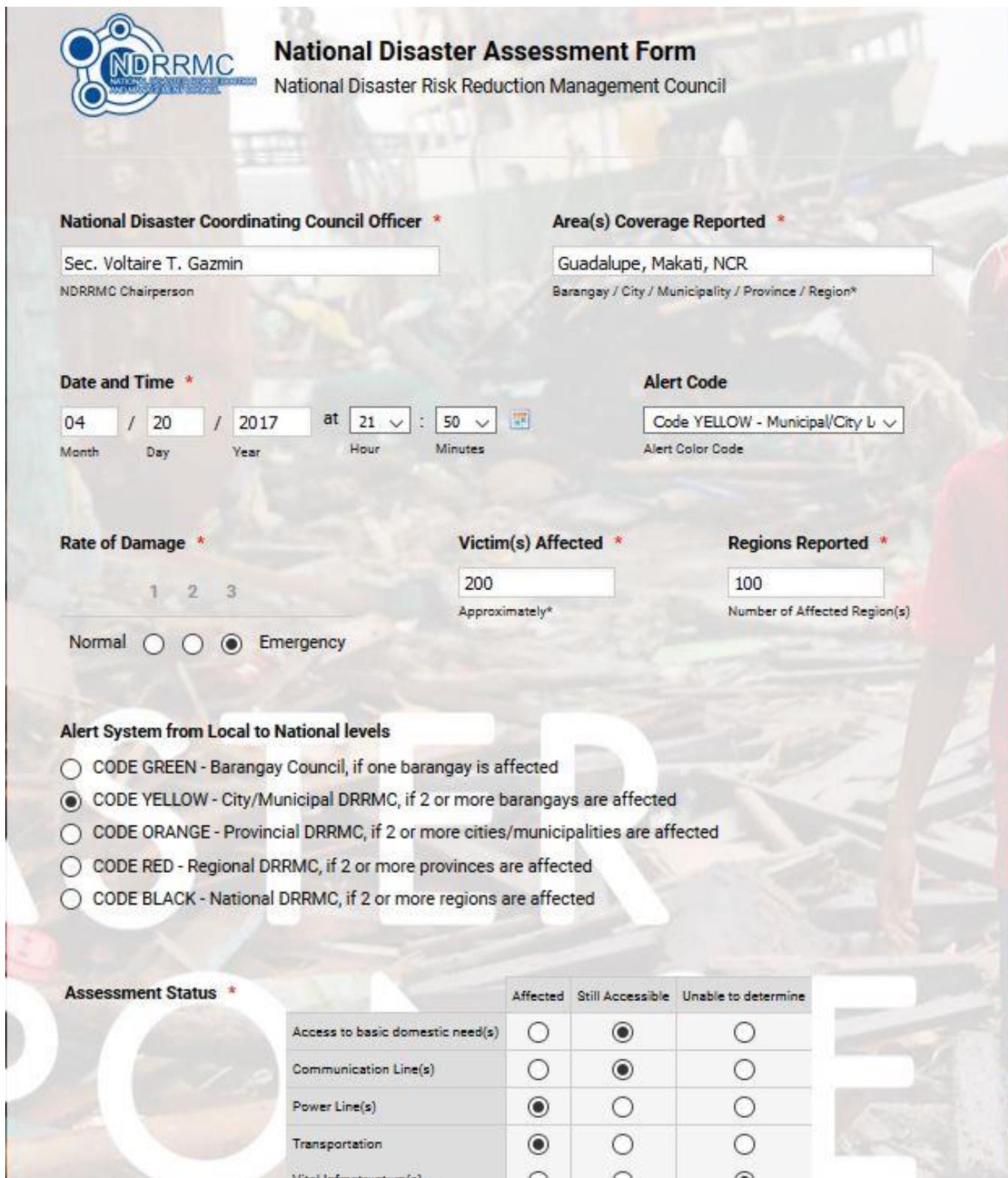
Status of the area(s) affected*

Upload Files

Guadalupe bridge.JPG
Image(s)/Video(s)

Powered by JotForm

National Disaster Assessment Form



National Disaster Assessment Form
National Disaster Risk Reduction Management Council

National Disaster Coordinating Council Officer *
Sec. Voltaire T. Gazmin
NDRRMC Chairperson

Area(s) Coverage Reported *
Guadalupe, Makati, NCR
Barangay / City / Municipality / Province / Region*

Date and Time *
04 / 20 / 2017 at 21 : 50

Month Day Year Hour Minutes

Alert Code
Code YELLOW - Municipal/City Alert Color Code

Rate of Damage *
1 2 3
Normal Emergency

Victim(s) Affected *
200
Approximately*

Regions Reported *
100
Number of Affected Region(s)

Alert System from Local to National levels

CODE GREEN - Barangay Council, if one barangay is affected
 CODE YELLOW - City/Municipal DRRMC, if 2 or more barangays are affected
 CODE ORANGE - Provincial DRRMC, if 2 or more cities/municipalities are affected
 CODE RED - Regional DRRMC, if 2 or more provinces are affected
 CODE BLACK - National DRRMC, if 2 or more regions are affected

Assessment Status *

	Affected	Still Accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

- CODE RED - Regional DRRMC, if 2 or more provinces are affected
 CODE BLACK - National DRRMC, if 2 or more regions are affected

Assessment Status *

	Affected	Still Accessible	Unable to determine
Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Communication Line(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Power Line(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Relief Services and Assistance required *

- Search and Rescue Team
- Transportation Vehicle/s
- Medical and Emergency Team
- Food and Non-Food Supplies
- Camp and Shelter
- Emergency Telecommunication
- Engineers
- Security Personnel/s
- Other

Site Description

Guadalupe bridge collapsed due to magnitude 7.9 earthquake

Upload Files

Guadalupe bridge.JPG

Image(s) / Video(s)

Powered by JotForm

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+639366993325



Education Background:

June 2012 – Present

Asia Pacific College

#3 Humabon Place, Magallanes, Makati City
Bachelor of Science in Information Technology Major in Mobile and Internet Technology

June 2008 – March 2012

Senator Renato Companero Cayetano Memorial Science and Technology High School

31st cor 51st Sts. Pamayanang Diego Silang, Ususan, Taguig City

June 2002 – March 2008

Pillar of Truth Educational Foundation Inc.

1632 M.L. Quezon Street, Taguig City

Organizations:

2014

Philippine Red Cross

Asia Pacific College
Officer

2012

Junior Philippine Computer Society (JPCS)

Asia Pacific College
Member

2010

Philippine Robotics Club

SRCCMSTHS
Member

MAICA L. BELCHEZ
123 V. Cruz St., Malibay Pasay City
mlbelchez@student.apc.edu.ph
+639153743329



Education Background:

June 2014 – Present	Asia Pacific College #3 Humabon Place, Magallanes, Makati City <i>Bachelor of Science in Information Technology Major in Mobile and Internet Technology</i>
June 2010 – March 2014	Pasay City Science High School 2888 Vergel St., Pasay City
June 2004 – April 2010	Grace Community Christian School 754 Vitales St., Malibay Pasay City

Organizations:

2017	Microsoft Community (MSC) Asia Pacific College <i>Documentation Team – Assistant Head</i>
2016	Junior Philippine Computer Society (JPCS) Asia Pacific College <i>Member</i>
2016	Microsoft Community (MSC) Asia Pacific College <i>Documentation Team – Trainee</i>
2015 - Present	Junior Information Systems Security Association (JISSA) Asia Pacific College <i>Operations Committee</i>

Name:	JOROME L. MORTERA
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	Quezon City
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Objective/s	To seek any challenges that I can use my knowledge and skills in my specialization.
Education	<p>Asia Pacific College, Magallanes, Makati City</p> <p>B.S. Information Technology, with specialization in Mobile and Internet Technology</p> <p>June 2013-present</p>
Work-Related Courses	<ul style="list-style-type: none"> • Applied Project • Data Communications & Data network <ul style="list-style-type: none"> • Database Management • IBM Descriptive Analytics • IBM Predictive Analytics • Information System Security • Introduction to System and Design for IT-MI • Management Information Systems and IT Trends • Mobile Application and Mobile Programming <ul style="list-style-type: none"> • Programming Embedded Systems
Academic Projects	<p>Diego Silang: Tearing the Chains of Slavery, June 2015</p> <p>Mobile Game Application</p> <p>This group project involves making a mobile game application that is based on one of the national heroes of the Philippines. The proponent was tasked with animation and GUI design.</p>

	<p>Aruga at Kalinga Foundation – Crowd Funding website , June 2016 – present</p> <p>The main objective of this project is to create a website that will advertise every project of the foundation for the less fortunate, look for possible donors and monitor the progress of each project, The main features of the website are the transparency transaction and the easiest way to donate funds. The proponent's task is to design a website that will meet the foundation's objectives.</p> <p>NDRRMC Law and Order Response Team , January 2017 – Present</p> <p>The main objective of this group project is to create an application that will help the people when it comes to a disaster situation and to provide peace and order to the place where calamities happened. The proponent's task involved research about the law when there is a calamity, database and software that can be used when there is no internet and no network.</p>
Technical Skills	<ul style="list-style-type: none"> • MS Office: Word, Excel, PowerPoint <ul style="list-style-type: none"> • Web Design • Web Programming • Develop Android Application
Seminars & Trainings Attended	<ul style="list-style-type: none"> • Office 365 Tips and Tricks Asia Pacific College, July 2016 • Devcon Asia Pacific College, September 2013
Extra-Curricular Activities	<ul style="list-style-type: none"> • Task Force Youth and Development (SK), Youth President, 2013 – Present; • Task Force Youth and Development Organization, Youth Leader, 2014 – Present

Name:	ABIGAIL MALAPO
Complete Address:	37 Bayabas St. Comembo Makati City
Contact Number/s:	Landline: 779-1467 Mobile No: (0929)312-7710
Email Address:	amalapo@student.apc.edu.ph abigailmalapo@gmail.com



Job Objective	To obtain an internship in an IT industry where I can utilize my analytical, web designing and programming skills to achieve the goals of the company
Education	Asia Pacific College , Magallanes, Makati City B.S Information Technology, major in Mobile and Internet June 2013-present
Work-Related Courses	<ul style="list-style-type: none"> • Applied Projects • Database Management • Descriptive Analytics • Fundamental of Business Analytics • Fundamentals of Enterprise Data Management • Graphical User Interface Programming • Introduction to System Development • Management Information Systems & IT Trends • Mobile Application and Mobile Programming • Predictive Analytics • Systems Analysis and Detailed Design
Academic Projects	<p>“Crowd Funding for Aruga at Kalinga Foundation” June 2016 – Present Web Application This project is like a fund raising done through the Internet and its purpose is for donors to have an easy way of donating and monitoring the progress of each project of the foundation. For this project the proponent was assigned as the documentation controller, web designer and database encoder</p> <p>“Pack My Kit-ty”, June 2016 – September 2016 Mobile Game Application This project involves making a mobile game application for disaster preparedness. The proponent in this group project is involved in animations and GUI design</p>

	<p>“ NDRRMC Law and Order Response Team”, January 2017 – Present</p> <p>This group project is about how peace and order will be implemented in a community during and after a disaster. It will also be useful for the authorities when handling the situation. The proponent’s task is to research about the law and the population’s statistics.</p>
Technical Skills	<ul style="list-style-type: none"> • MS Office: Word, Excel, PowerPoint • Web Designing (HTML, CSS) • Web Programming (PHP, Java) • Develop Android Application
Seminars & Trainings Attended	<ul style="list-style-type: none"> • Office 365 Seminar, Asia Pacific College, July 2015 • Android Seminar, Asia Pacific College, September 2014 • Devcon, Asia Pacific College, September 2013
Extra-Curricular Activities	<ul style="list-style-type: none"> • JPCS, Member, SY 2013-2014