

Command and Control

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:	Command and Control Response Cluster
Position:	N/A

About Command and Control 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

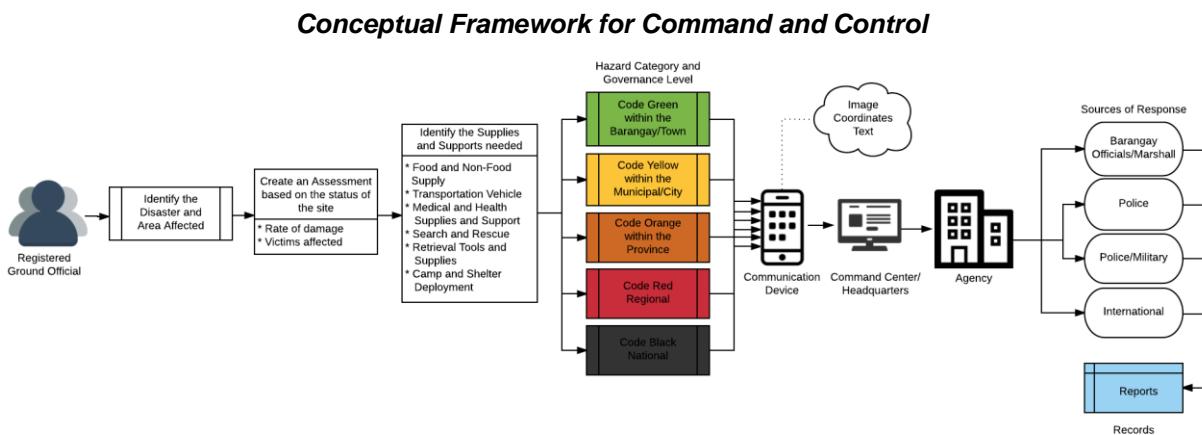
Maintaining peace and order on disaster circumstances. Therefore, providing an effective and integrated response to disaster situations through execution of standard procedures and protocols and a centralized disaster management system.

Problem Statement

Disaster is just around the corner 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 standard disaster protocols to execute an operative response action. Identifying the alert systems to be declared within the affected area for obligatory actions from local to national level of the government.

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

Project Context



Disaster Assessment Method (LGU level)

Step 1: Identify the disaster

- Flash-floods
- Landslides
- Blocked Roads
- Wild Fires

- Epidemics
- Volcanic Eruptions
- Bridges Collapsed
- Infrastructure Collapsed
- Technical Accidents

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

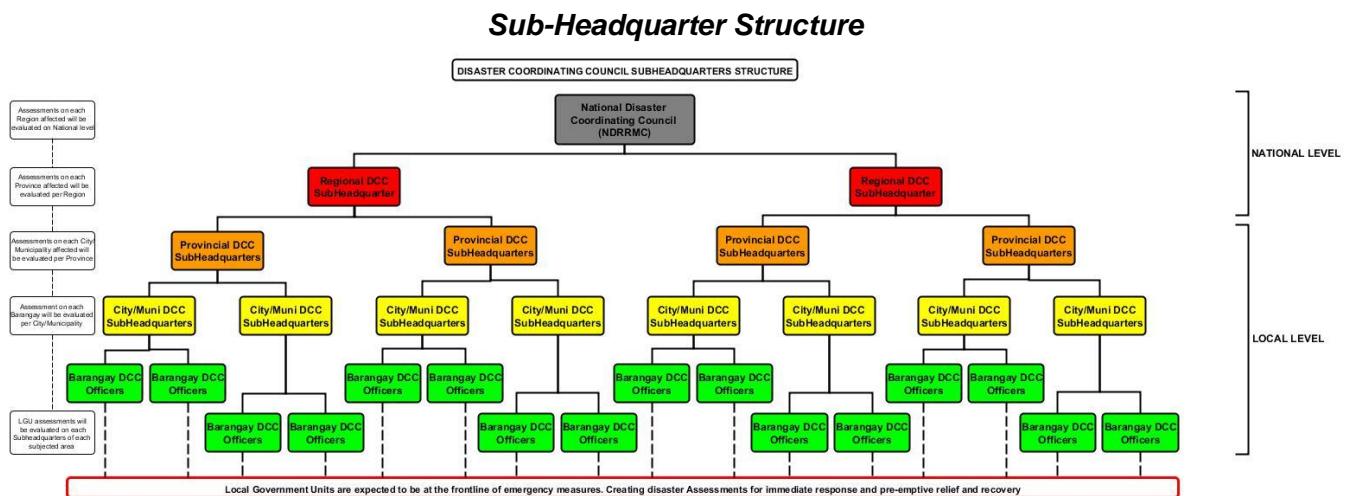
Step 7: Take an image of the present situation

Color Code	Category Level	Category of Hazard	Level of Governance	General Definition	GOVERNMENT	CIVIL SOCIETY	NATIONAL RESPONSE TEAM
	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/Area Expert
	4	Severe	Regional	No access to basic domestic needs, energy, transportation and vital infrastructure	<ul style="list-style-type: none"> LDRMMCs LGU of neighboring province 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/Area Expert
	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
	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
	1	Light	Barangay	No access to basic domestic needs which consists of people 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 Development 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



Project Background

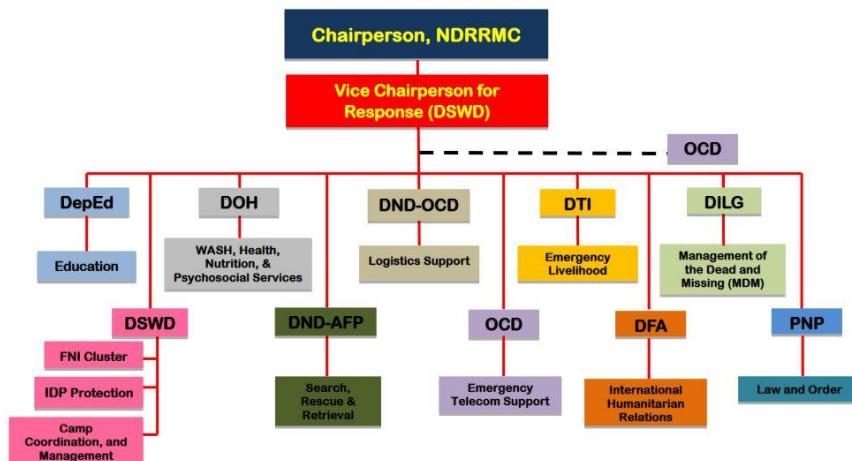


Figure 2 Organizational Chart of Response Cluster

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)				
<i>Regions I to XII, CAR and CARAGA</i>	<i>Autonomous Region in Muslim Mindanao (ARMM)</i>	<i>Metro Manila</i>		
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				

Coordination between NDRRMC and local councils

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 command and control 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 Command & Control 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 Command & Control 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.

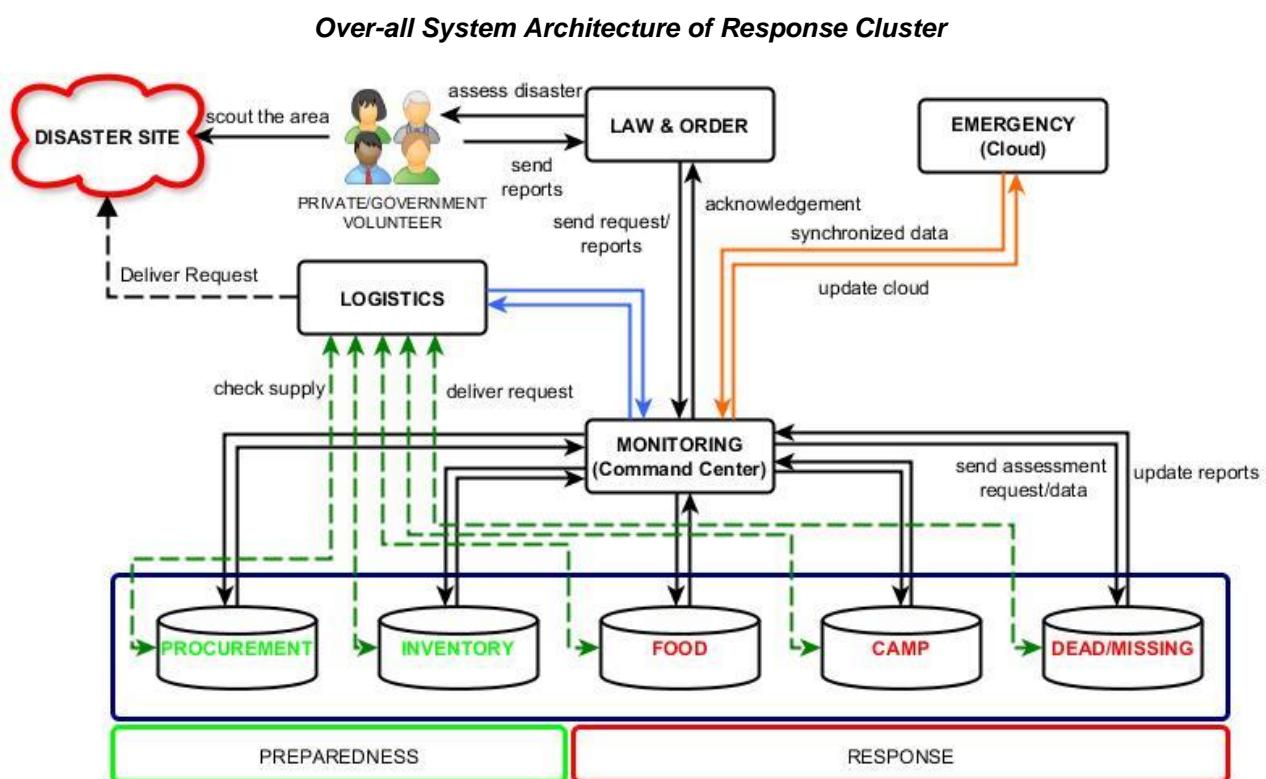
Recommendation(s)

The project team would like to recommend the use of the working prototype of the proposed Command & Control 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.

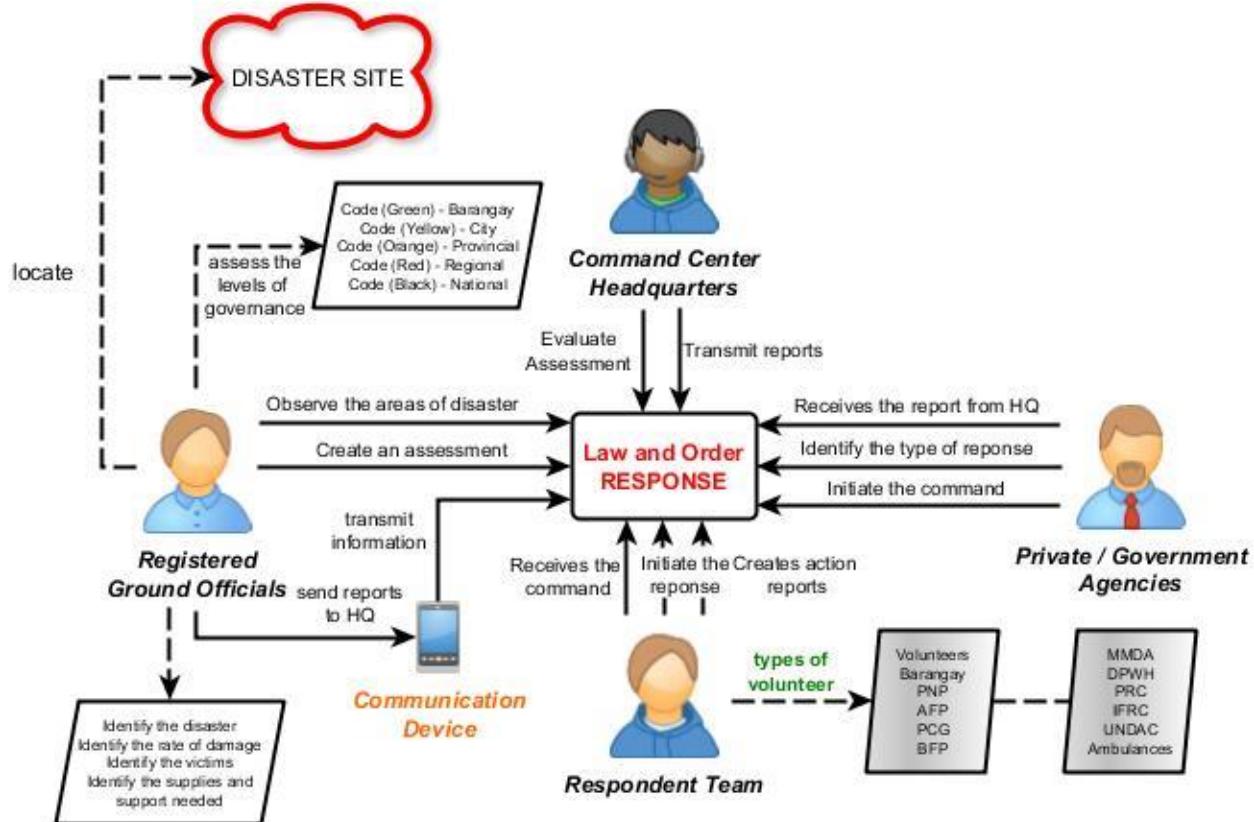
VI. Appendices

System Diagrams

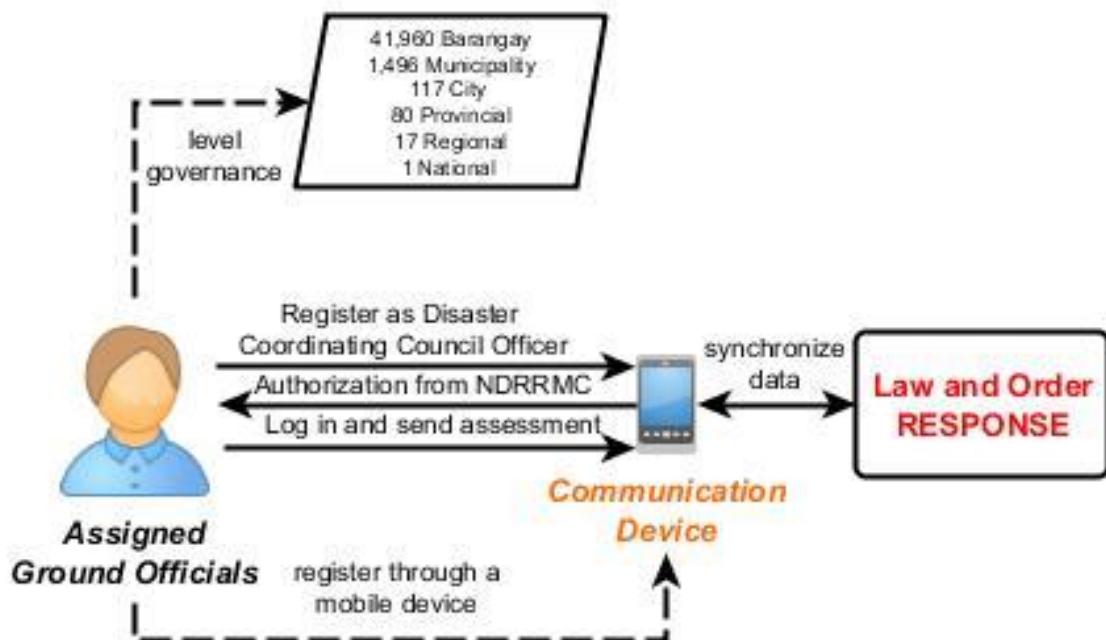


Developed by: Law and Order group

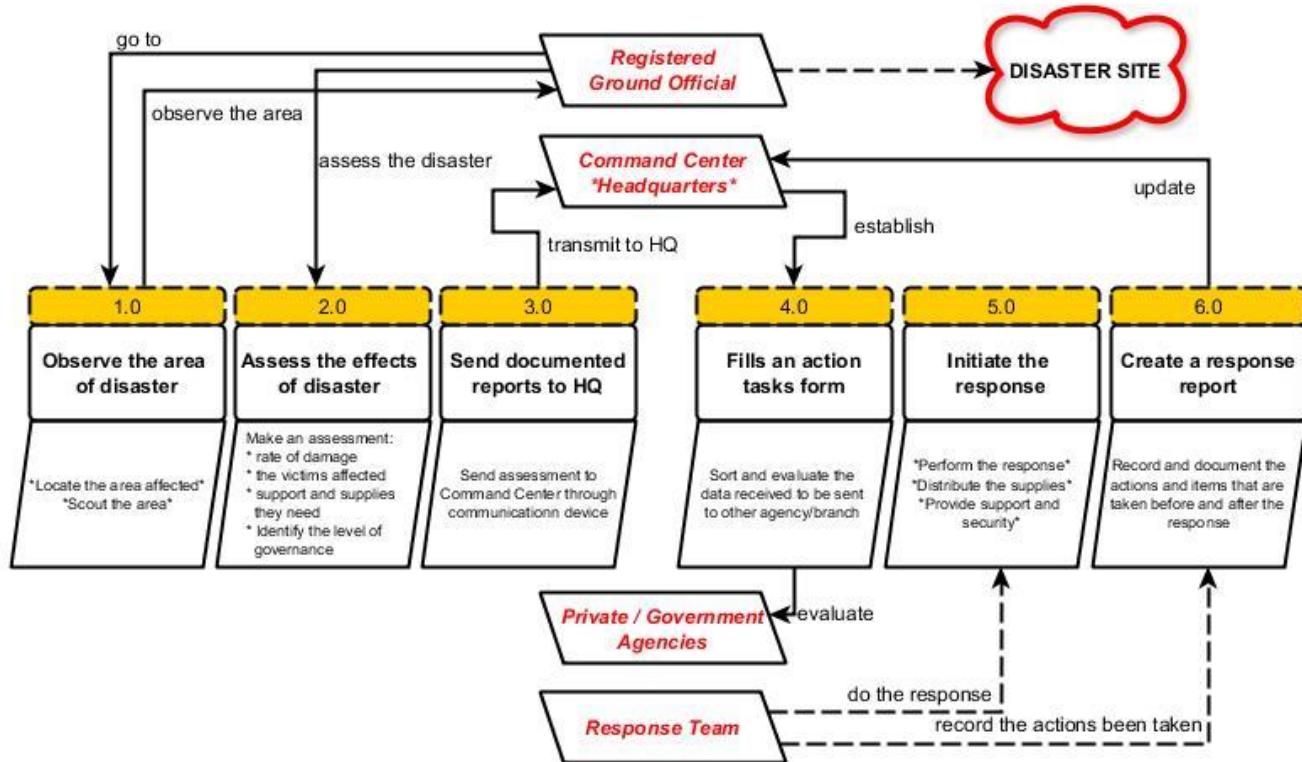
Context-Flow Diagram (System)



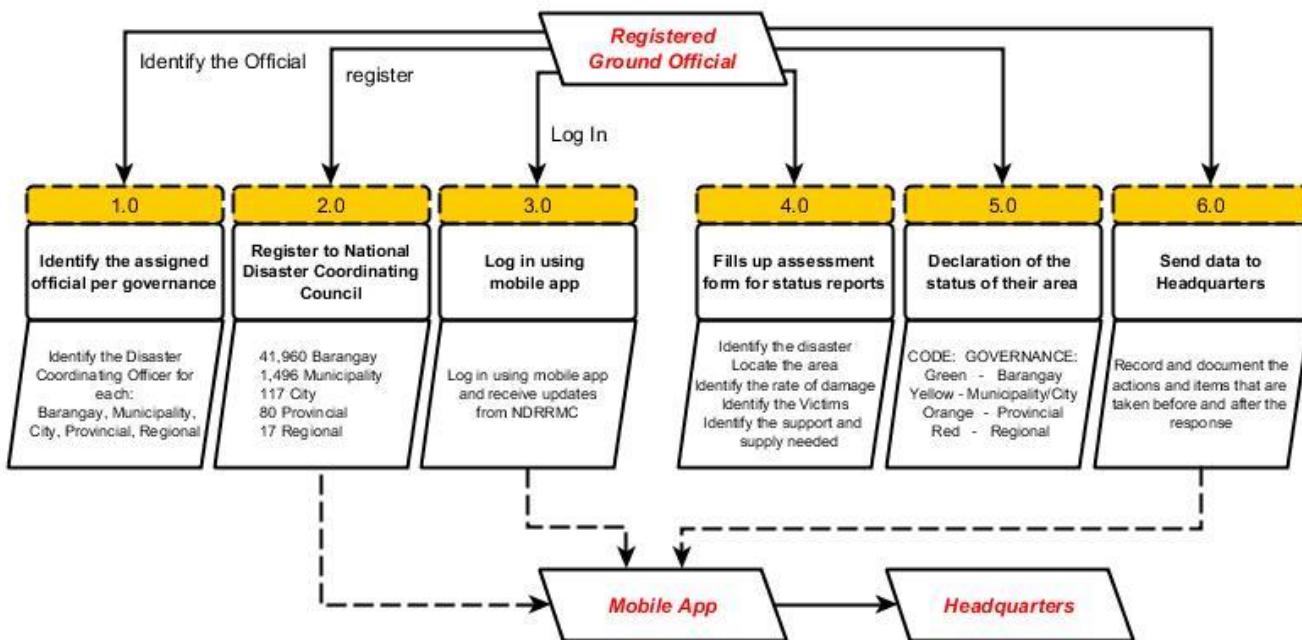
Context-Flow Diagram (User)



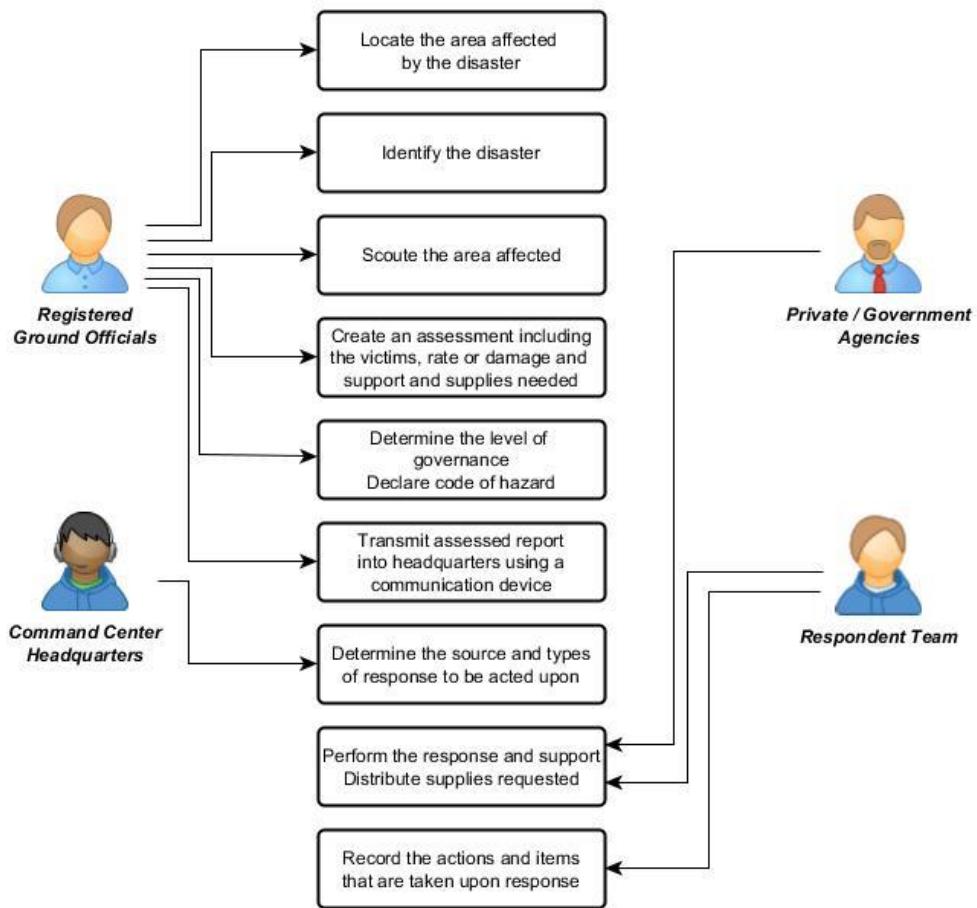
Data Flow Diagram (System)



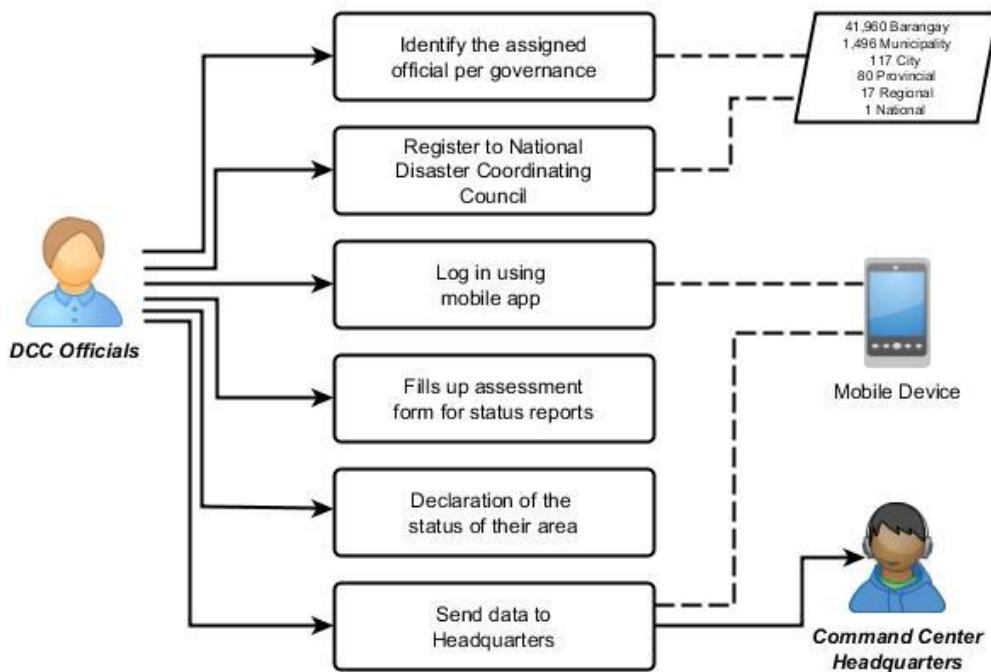
Data Flow Diagram (User)



User Case Diagram (System)



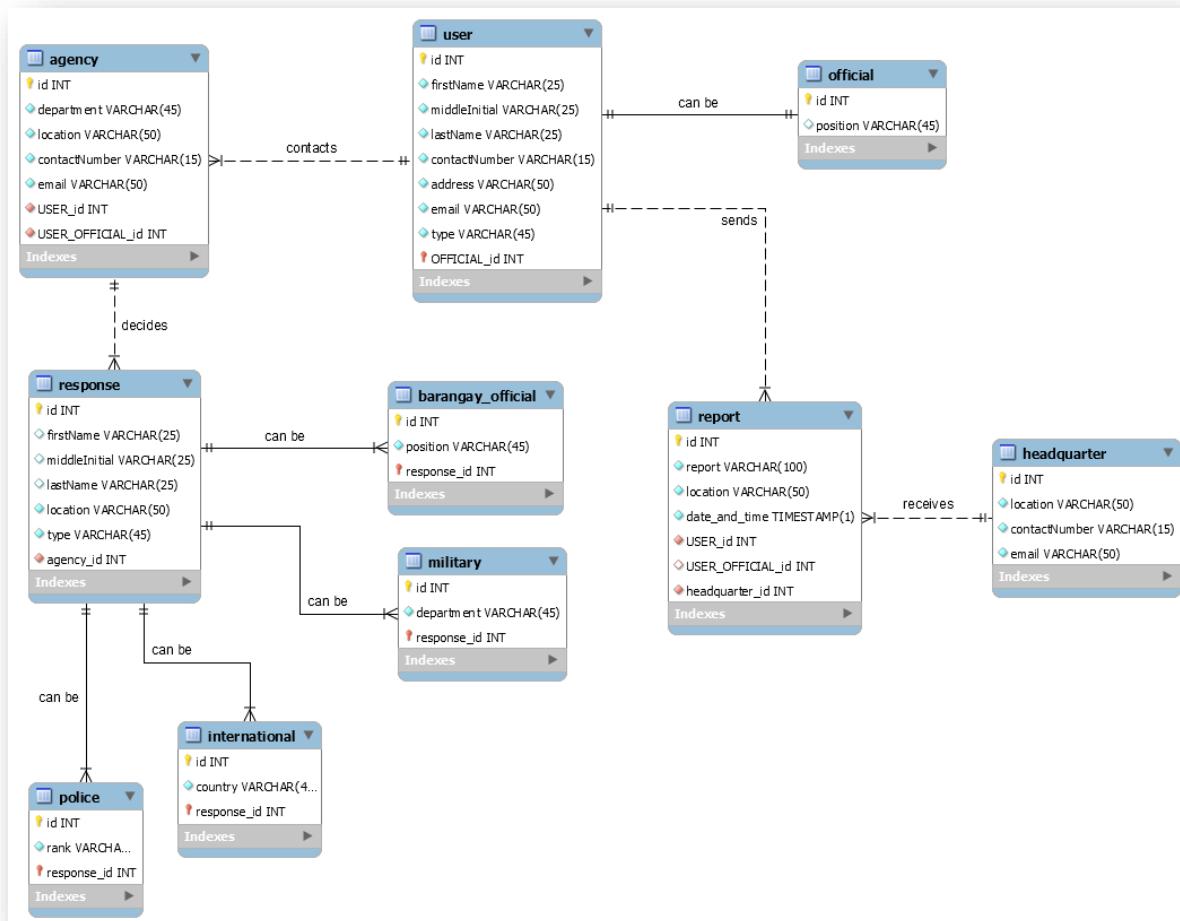
User Case Diagram (User)



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

The screenshot shows a browser window titled "Admin - 127.0.0.1:8000/admin/login". The page features a large background image of a child in a red uniform standing in a rubble-strewn area. Overlaid on the image is the text "COMMAND AND CONTROL" and "DISASTER RESPONSE". A small logo consisting of a stylized "D" and "R" intertwined is visible. Below the main title, it says "Welcome to Disaster Coordinating Council SubHeaquarter Reponse System". To the right of the image is a "Sign In Below:" section containing fields for "E-mail" and "Password", and a blue "Login" button.

Dashboard Homepage

The screenshot shows a browser window titled "COMMAND AND CONTR... - 127.0.0.1:8000/admin". The dashboard has a sidebar on the left with various icons. The main area displays three cards: 1) "9 users" (with a "View all users" button), 2) "8 posts" (with a "View all posts" button), and 3) "1 page" (with a "View all pages" button). Each card has a circular icon with two people. At the bottom, there 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-based Command & Control system. On the left is a dark sidebar menu with various icons and links: COMMAND & CONTROL, Administrator, Dashboard, Roles, Users, Media, Posts, Pages, Categories, Tools, and Settings. The main content area has three cards: 'Users' (9 users, View all users), 'Posts' (7 posts, View all posts), and 'Pages' (1 page, View all pages). A central message states: "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>".

Current User

The screenshot shows the same Command & Control system. The sidebar now highlights 'Dashboard'. A user profile for 'Administrator' is shown in a modal: name 'Administrator', email 'admin@admin.com', Profile, Home, and Logout buttons. The main content area remains the same with the three cards: 'Users' (9 users, View all users), 'Posts' (7 posts, View all posts), and 'Pages' (1 page, View all pages). The central message is identical to 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

COMMAND & CONTROL ... X +

127.0.0.1:8000/admin/roles/1/edit

Dashboard > Roles > Edit

Edit Role

Name
User

Display Name
User-Coordinator

Permissions
Select All / Deselect All

Browse Admin
 Browse Database
 Browse Media
 Browse Settings

...

Users

COMMAND & CONTROL ... X +

127.0.0.1:8000/admin/users

Dashboard > Users

Users

Add New

Show 10 entries Search:

Name	Email	Created At	Avatar	Role	Actions
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

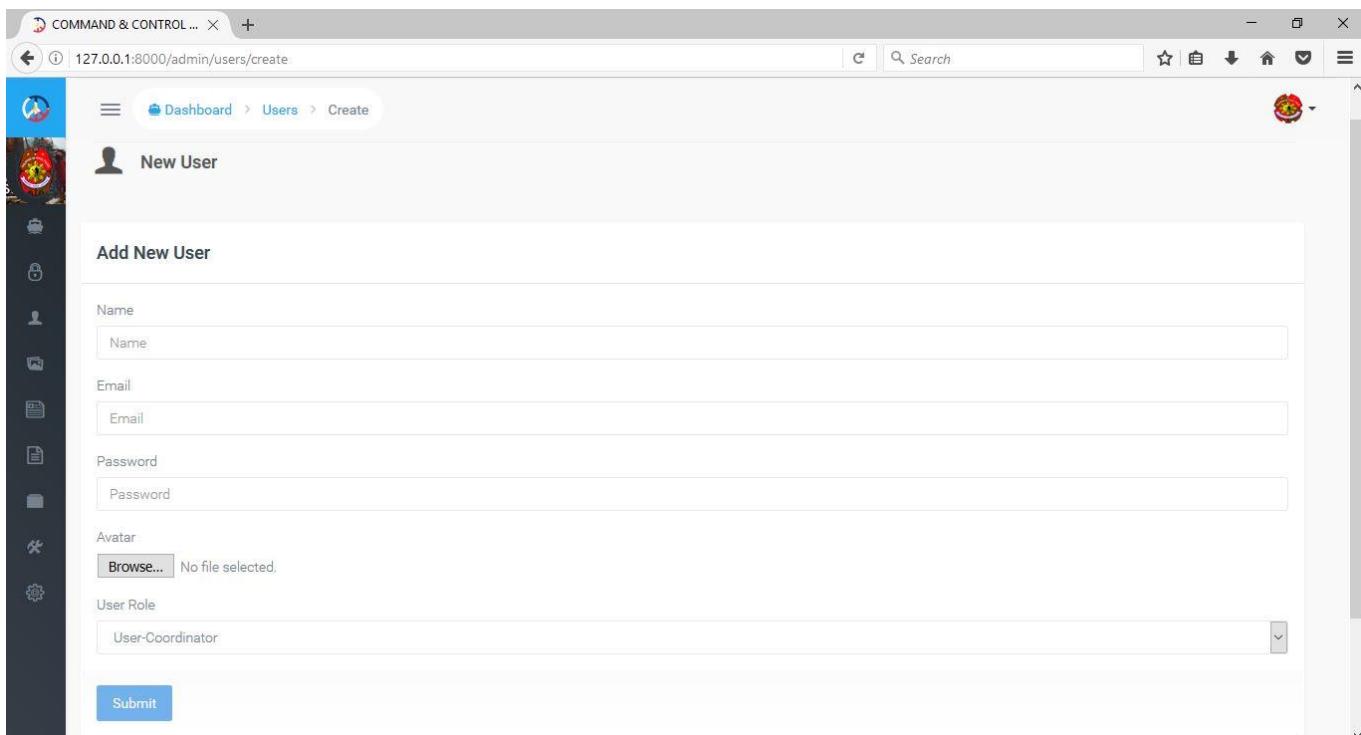
Email

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

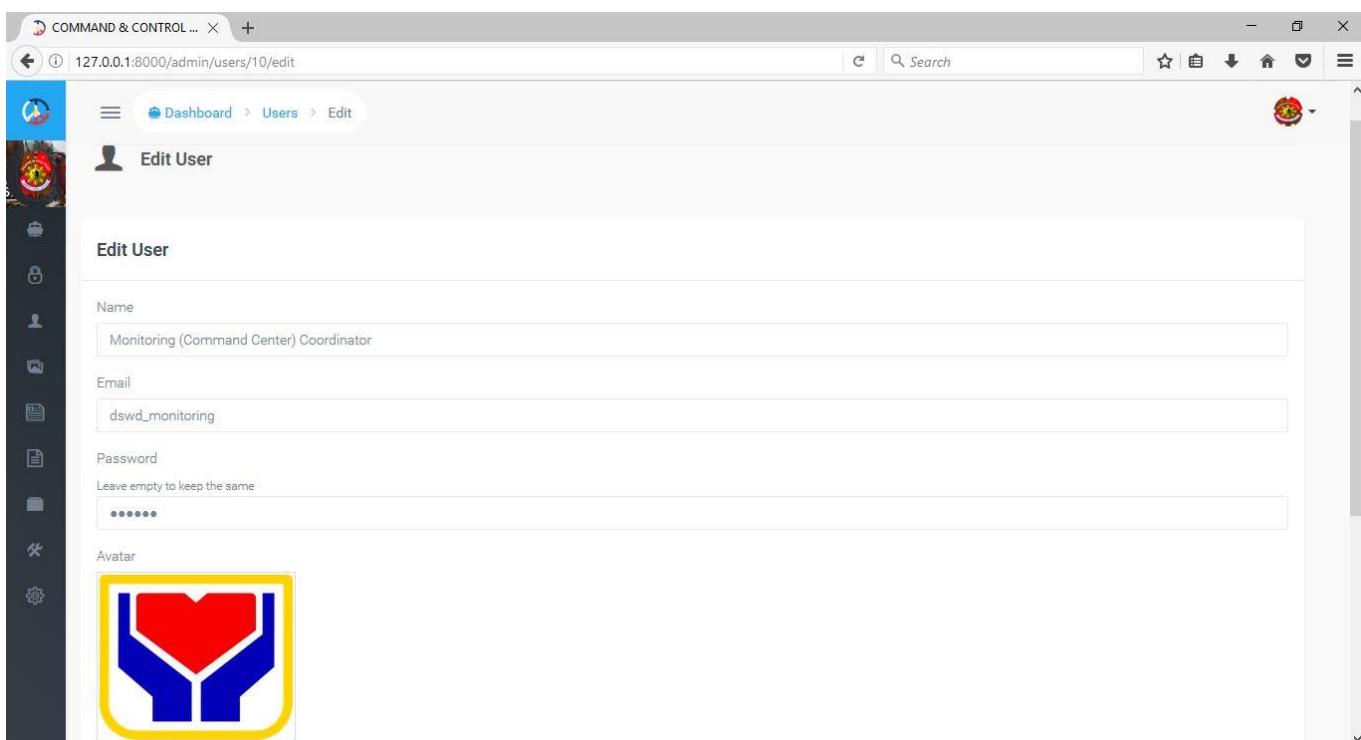
Edit User

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 "COMMAND & CONTROL ...". Below it is a search bar and a breadcrumb trail "Dashboard > Media". The main content area is titled "Media" and contains a "Media Library" section. It lists several items: ".gitignore" (14 Bytes), "MArch 28, 2017", "pages", "posts", "Private and", "settings", and "users". To the right of the "posts" item, a detailed view is open for the ".gitignore" file. The details are as follows:

- Title: .gitignore
- Type: text/plain
- Size: 14 Bytes
- Public URL: [Click Here](#)
- Last Modified: 1489466536

Upload resources

The screenshot shows the same media management interface. A file upload dialog box is open in the center. The title of the dialog is "File Upload". The path shown is "LawAndOrder-Pictures > Disasters". The left pane shows a tree view of "This PC" (Desktop, Documents, Downloads, Music, Pictures, Videos, Windows (C:), LENOVO (D:), DVD RW Drive (E:), Work Space (F:)) and "Network". The right pane shows a grid of thumbnail images with filenames: 1.jpg, 2.jpg, 3.jpg, 4.jpg, baguio_landslide.jpg, bodybags.jpg, downElectrical_lines.jpg, marikina_flood.jpg. At the bottom of the dialog are fields for "File name:" and "Open", and a "Cancel" button.

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] [list] [list-item] [link] [image] [video] [file] [code]

Post Details

Post ID

Post Status

Category Level (Code)

Priority

Site Image Taken

No file selected.

Edit post

Screenshot of the 'Edit Post' interface:

The page title is 'Edit Post'. The URL is '127.0.0.1:8000/admin/posts/24/edit'. The left sidebar has icons for Home, Dashboard, Posts, Pages, Media, Settings, and Help.

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:



Pages

Screenshot of the 'All Pages' interface:

The page title is 'All Pages'. The URL is '127.0.0.1:8000/admin/pages'. The left sidebar has icons for Home, Dashboard, Posts, Pages, Media, Settings, and Help.

Pages:

Add New

Show 10 entries

Search:

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

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' (empty), and 'body' (with a rich text editor toolbar). A sidebar on the left contains various icons for file management and settings.

Edit page

The screenshot shows the 'Edit Page' form with the 'title' field populated with 'Typhoon Yolanda'. The 'excerpt' and 'body' fields are empty. The rich text editor toolbar is visible below the body field. The sidebar on the left is identical to the 'Add New Page' interface.

Database (MySQL)

The screenshot shows the phpMyAdmin interface for the 'lawandorder' database. The left sidebar lists tables such as categories, data_rows, data_types, menus, menu_items, migrations, pages, password_resets, permissions, permission_groups, permission_role, posts, roles, settings, translations, and users. The main area displays a table of 16 tables with columns for Action, Rows, Type, Collation, Size, and Overhead. The 'users' table has 251 rows and is of type InnoDB with latin1_swedish_ci collation.

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

Mobile Application

Mobile (Registration)

The screenshot shows a registration form for the Disaster Coordinating Council Officer. It includes fields for First Name (Jose Lorenzo), M.I. (Duenas), Last Name (Cristobal), Position (Barangay Official), Birth Date (March 3, 1983), E-mail Address (ilcristobal@hotmail.com), Street Address (08 Balate Street Purok 2 Sta. Ana), City (Makati), State / Province (Metro Manila), Postal / Zip Code (3214), Contact Number (63936699241), and Civil Status (Married). The form also features an 'Address' section with Street Address Line 2 and an 'Upload Profile Image' field.

Disaster Coordinating Council Officer Registration Form
National Disaster Risk Reduction Management Council

Disaster Coordinating Council Officer *
First Name: Jose Lorenzo M.I.: Duenas Last Name: Cristobal Position *
Level of Governance: Barangay Official

Birth Date
Month: March Day: 3 Year: 1983 E-mail Address *
ilcristobal@hotmail.com

Address *
Street Address: 08 Balate Street Purok 2 Sta. Ana
Street Address Line 2:
City: Makati State / Province: Metro Manila
Postal / Zip Code: 3214

Contact Number *
Phone / Landline: 63936699241

Civil Status *
Married

Upload Profile Image * No file selected

Birth Date

March	3	1983
Month	Day	Year

E-mail Address *

Address *

Street Address

Street Address Line 2

Makati	Metro Manila
City	State / Province

3214

Postal / Zip Code

Contact Number *

Phone / Landline

Civil Status *

Upload Profile Image *

Present*

Remark(s):

Submit

Powered by JotForm

LGU Disaster Assessment Form (Mobile)

NDRRMC
NATIONAL DISASTER RISK REDUCTION AND MITIGATION COUNCIL

LGU Disaster Assessment Report Form
National Disaster Risk Reduction Management Council

LGU Disaster Coordinating Council Officer *

Barangay Chairperson

Area of Coverage *

Barangay

Date and Time Reported *

04	/	16	/	2017	at	22	✓	:	10	Minutes
Month	Day	Year			Hour					

Rate of Damage *

1	2	3
---	---	---

Normal Emergency

Male Victim(s) *

Number of Victims

Female Victim(s) *

Number of Victims

Incident/s: *

<input type="checkbox"/> Flash Flood(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) Collapse
<input checked="" type="checkbox"/> Technical Accident(s)	<input checked="" type="checkbox"/> Infrastructure(s) Collapse

Factors affected/incident

Other

Assessment *	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 type="radio"/>	<input type="radio"/>	<input checked="" 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:

Collapse Guadalupe Bridge due to Magnitude 8.2 Earthquake

Status of the area(s) affected*

Address Map Locator *

Map Satellite

Address: Guadalupe Bridge, Mandaluyong, NCR, Philippines

Latitude: 14.56838

Longitude: 121.04610

Province: Metro Manila

Country: PHILIPPINES

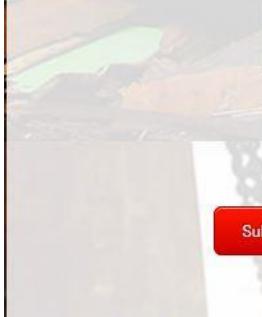
Take Photo:

LIVE

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

Provincial/City/Municipal Disaster Assessment Form
National Disaster Risk Reduction Management Council

Provincial/City/Municipal Disaster Coordinating Council *

Manuel P. Santos
Local Chief Executive / Chairperson

Area of Coverage *

Makati City
Province / City / Municipality

Date and Time *

04 / 16 / 2017 at 22 : 20 

Month Day Year Hour Minutes

Municipal/City Reported *

1
Number of affected Municipal/City

Rate of Damage *

1 2 3
Normal Emergency

Male Victim(s) *
500
Number of Victim(s)

Female Victim(s) *
500
Number of Victim(s)

Coordination between NDRRMC and local councils *

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

Assessment *

	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 type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input 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 8.9 earthquake

Status of the area(s) affected*

Upload Files

Guadalupe Bridge Collapse.jpg
Image(s)/Video(s)

Assessment *

	Affected	Still Accessible	Unable to determine
Transportation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vital Infrastructure(s)	<input checked="" type="radio"/>	<input type="radio"/>	<input 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 8.9 earthquake

Status of the area(s) affected*

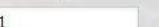
Upload Files

Guadalupe Bridge Collapse.jpg
Image(s)/Video(s)

Powered by JotForm

Regional Disaster Assessment Form (Mobile)

 **Regional Disaster Assessment Form**
National Disaster Risk Reduction Management Council

Regional Disaster Coordinating Council * Doroteo C. Landino <small>Regional Director / Chairperson</small>	Area of Coverage * NCR <small>Region</small>																								
Date and Time * 04 / 16 / 2017 at 22 : 30 																									
Province(s) Reported * 1  <small>Number of affected Province(s)</small>																									
Rate of Damage * 1 2 3 <small>Normal <input type="radio"/> Emergency <input checked="" type="radio"/></small>																									
Male Victim(s) * 500  <small>Number of Victim(s)</small>																									
Female Victim(s) * 500  <small>Number of Victim(s)</small>																									
Coordination between NDRRMC and local councils * <input checked="" type="radio"/> Barangay Development Council, if one barangay is affected by a natural calamity or human-induced disaster <input type="radio"/> City/Municipal DRRMC, if 2 or more barangays are affected <input type="radio"/> Provincial DRRMC, if 2 or more cities/municipalities are affected <input type="radio"/> Regional DRRMC, if 2 or more provinces are affected																									
<input type="radio"/> City/Municipal DRRMC, if 2 or more barangays are affected <input type="radio"/> Provincial DRRMC, if 2 or more cities/municipalities are affected <input type="radio"/> Regional DRRMC, if 2 or more provinces are affected																									
Assessment * <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Affected</th> <th>Still accessible</th> <th>Unable to determine</th> </tr> </thead> <tbody> <tr> <td>Access to basic domestic need(s)</td> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Communication Line(s)</td> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Power Line(s)</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> <tr> <td>Transportation</td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Vital Infrastructure(s)</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> </tr> </tbody> </table>			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 type="radio"/>	<input type="radio"/>	<input checked="" 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"/>
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Access to basic domestic need(s)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>																						
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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 * <ul style="list-style-type: none"> <input type="checkbox"/> Search and Rescue Team <input checked="" type="checkbox"/> Transportation Vehicle/s <input checked="" type="checkbox"/> Medical and Emergency Team <input type="checkbox"/> Food and Non-Food Supplies <input type="checkbox"/> Camp and Shelter <input checked="" type="checkbox"/> Emergency Telecommunication <input checked="" type="checkbox"/> Engineers <input type="checkbox"/> Security Personnel/s <input type="checkbox"/> Other 																									
Site Description Guadalupe bridge collapsed due to magnitude 8.9 earthquake																									
<small>Status of the area(s) affected*</small>																									

Relief Services and Assistance required *

Vital Infrastructure(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
-------------------------	-----------------------	-----------------------	----------------------------------

- 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 8.9 earthquake

Status of the area(s) affected*

Upload Files

Guadalupe Bridge Collapse.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 Gazmin
NDRRMC Chairperson

Area(s) Coverage *

National
Barangay / City / Municipality / Province / Region

Date and Time *

04 / 16 / 2017 at 22 : 40

Month Day Year Hour Minutes

Alert Code

Code YELLOW - Municipal/City Level
Alert Color Code

Rate of Damage *

1 2 3
Normal Emergency

Victim(s) Affected *

500
Number of Victim(s)

Regions Reported *

500
Number of Affected Region(s)

Coordination between NDRRMC and local councils

- 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

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
 National DRRMC, if 2 or more regions are affected

Assessment *	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 type="radio"/>	<input type="radio"/>	<input checked="" 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 collapse due to magnitude 8.9 earthquake

Power Line(s)	<input type="radio"/>	<input type="radio"/>	<input checked="" 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 collapse due to magnitude 8.9 earthquake

Upload Files

Guadalupe Bridge Collapse.jpg
 Image(s) / Video(s)

Powered by JotForm

VII. Reference(s)

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CARL DOMINIQUE P. BUENO

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cpbueno@student.apc.edu.ph
+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>

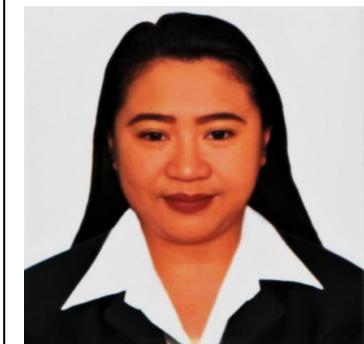
Name:	JOROME L. MORTERA
Complete Address:	19 Katarungan St. Barangay Commonwealth
	Quezon City
Contact Number:	Mobile No.: (0917)929-4761
Email Address:	jlmortera@student.apc.edu.ph joromemortera14@gmail.com



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