Earthquakes Fear of many: An E-learning website

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**Statement of the Problem**

Technology variations information , applications , website are developed for correct use. The internet would always have a way to access the website and on how to make it useful for the people who will be going to benefit the website .however it is questioned by many how internet by access the website will inform children and people in the community.

The study/research project was guided by the question :

How can a website that contains safety measures about earthquakes inform children people in the community ?

**Objectives**

1.)To inform children and people in the community about earthquakes

2.) To create a system that has available access of the internet

3.) to give sufficient enough right information that will help children and people in the community .

4.) to use technology as a guide for the users

5.) To apply the website that will be created in their everyday lives .

**I. Introduction**

Background of the study

Scientists believe that earthquakes do exist until now earthquakes do exist, years ago scientist believe that earthquakes due to earth crust and because of the earth energy releases then earthquake is formed . many geologist studied earthquakes and find out why this happen and how it happens where earthquakes come from ?

Years ago earthquakes have been studied by scientist and geologist find ways solutions on how to prevent earthquakes . Earthquakes are fear of many in just seconds minute not hours it can destroy lives kill several people , children , innocent ones . ( Encyclopedia Britannica 2014)

Us people cannot see earthquake but can feel it . the shaking of the ground , walls , and everything around us . it even shakes our body , can things moving swaying . yes we can see things moving , shaking walls are cracking but we cannot identify that earthquake it what were experiencing we based through the objects around us that are moving . Earthquake is a world disaster In past times old ones beliefs that to prevent earthquakes is based on what they hear , or what others say it is also believed that animals have a sense of hearing that when an animal for example a dog bark or a cat makes a sound it is believe by people in the old times by basis that there will be an earthquake and by this they will be prepared about the earthquake . (consrv.ca.gov 2013 )In today's present time people who knows such information about earthquakes can help people in the community not only in the Philippines but also in other countries .such that there are invented technologies , gadgets , applications , websites , internet in order to minimize or lessen the fear of earthquake.

This technology can help a lot people because in today's present times people usually used the internet as a guide a reference in their study in their everyday lives. Instead of using books old books to serve as a guide for them regarding earthquakes people use social net work media or what we call the internet , it is more easy because there are other books in the internet that can serve as a guide for the researcher , for the user to adapt the technology today in present times. Technology such as internet can really help children and people in the community because it can make their lives more easier and better in terms of communicating with internet by means of access the website .

In this study children and people in the community are the users for the project . the researcher will be creating an educational website this will really help children and people in the community for it will give them suffiencient information and enough knowledge .it will not be hard for them to cope to understand and this will make their lives easy less worries and for them to be prepared and be ready in terms of this kind of disaster .

**Significance of the project**

The study aims to provide knowledge and information for children and people in the community to be inform about earthquakes by means . the researcher will be creating an educational website that contains safety measures about earthquakes that will let inform and be aware about earthquakes .and to make their lives be more easy The researcher will consider this study as a educational website thus , a website design with graphical illustrations .

**II.Review of Related of Literature**

**Establishing an alternative communication network in disaster situations using smart devices**

In communicating earthquakes , there are some alternative ways on how to communicate with earthquakes to inform people in the community . In refer to the article finding ways establishing ways on how to communicate with earthquakes using network such as internet and smart devices that can help people in the community to be inform and best way to communicate in terms of this kind of disaster. ( Ceri Y 2014)

The role of Information technology in terms of communicating about earthquakes since that there are new invented technologies today in present times .like website , internet those are some easier ways on how to connect communication about earthquakes . In internet people today used internet and served as a guide for them to access information about what they want to search and access the website . In relation to earthquakes people use the internet and access the website to gain such information they need to know about earthquakes a website that contains safety measures that will help them to be aware and what to do in terms of this kind of disaster . this is one of the established ways on how to communicate better and prevent this kind of disaster . and because of that it is not hard for people in the community to be informed about earthquakes and what to do in this kind of disaster. internet is only needed connection to let them access and the website and will give them enough information about earthquakes .

**Internet information aided disaster assessment of great earthquake**

The information of Internet. Internet is a short is a cheap source of information . why because people can easily access information and causes less work load . In a way that it is easy to search things rather than reading searching for books why don't used internet there are PDF's reader all needed is to access the internet connection .( [Tao Xia-xin](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tao%20Xia-xin.QT.&newsearch=true) 2011) In communicating with earthquakes people in the community can easily access information through internet by means of connection .what they want to know about earthquakes. how by means of internet can help them be inform and be aware in terms of this kind of disaster.

**The Spatial Data Sharing Web Feature Service in Earthquake Disaster Prevention and Mitigation**

In this something is invented which is called Web feature service . also called spatial data circulation . which can reduce disaster and carry disaster and reduction work . In this it is easy to communicate with earthquakes and to avoid severe earthquakes and to be more valid in terms of earthquakes . ([Wenfeng Zheng](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Wenfeng%20Zheng.QT.&searchWithin=p_Author_Ids:37399452500&newsearch=true) 2009 ) website is one of the easiest way on how to communicate with earthquakes . of course Internet is needed . like I said earlier internet is needed to access the website . in this , website can be a way to let people in the community inform and be aware about earthquakes the role of the website is to give enough and sufficient information's for the users of the website

**Earthquake**

Earthquake is the sudden shake of the ground that causes seismic waves through the earth rocks . Seismic waves are produced when the energy is released it happens when the energy is released and trace the track from there earthquakes are formed (Encyclopedia Britannica 2014) Earthquakes in seconds in minutes can cause death of many . Earthquake feels like it is the end of the world . why because we cannot see earthquakes we just feel it shakes us and even if it last for a minute or a second or hours . others survive others are left dead depends on the magnitude of the earthquake . earthquakes are deadly that's why we should always be ready because we did not know when an earthquake will happen .

**Causes of earthquakes**

The immediate cause of most shallow earthquakes is the sudden release of energy along a [fault](http://www.infoplease.com/encyclopedia/science/fault.html).

some causes of earthquakes are volcanic eruptions , landslides , rock falls and explosion . ( Info please.com 2012) .because of the energy release in terms of volcanic eruptions the heat that comes when it is release the effect would be explosion then the energy releases can cause shaking of the ground or worst earthquakes . there are many causes of earthquakes but this are some of the causes why earthquakes happen .

**Damage caused by earthquakes**

The effects of an earthquake are strongest in a broad zone surrounding the epicenter. ( Info please .com 2012) .other effects of earthquakes are it can kill many people whether innocent or not whether one who knows earthquakes or not . other effects are it can destroy lives of many . earthquakes can happen anytime anywhere , no one knows when will it happen . effects are aside from houses being destroyed , many lives were killed . it can also cause such trauma for the ones who will survive earthquake .

**How Earthquakes Work**

Earthquakes is caused by manmade disasters .manmade disasters because other humans caused landslides earthquakes etc .because there will be no such calamities disaster like this if not created by humans landslides happen because of cutting trees and due to heavy rainfall then the tendency the soil collapses if the energy is released the effect would be an earthquake . this are some of the causes why earthquake happen ( howstuffs work.com 2015) .

**Earthquakes in other countries and their effects**

**Chile Earthquake of 1960**

This earthquake was said to be the largest earthquake recorded in the 20th century this earthquake has a magnitude of 9.5 after the earthquake happened the effects were many cities in Chile were damaged , many were killed , almost after the Chilean earthquake two million people were left homeless after the disaster happened . and almost 3,000 people were injured ( Encyclopedia Britannica 2014)

**Shaanxi province earthquake of 1556**

This earthquake happened in the province of China. It was said to be the deadliest earthquake that struck northern china. The earthquake reached magnitude 8 that is what according to estimation , also the earthquake was estimated that almost 830,000 people were killed and injured . it was also said that the earthquake lasted for only seconds . it leave a mark that the people in Shaanxi province china will never forget . ( Encyclopedia Britannica 2013)

**Aleppo earthquake of 1138**

This earthquake was recorded to be the deadliest earthquake that struck the city of Aleppo a city in Syria . the earthquake was said that it was the deadliest earthquake that the Aleppo a city in Syria for it kill hundred thousand lives of residents living and nearby the area . It was also estimated that 230,000n people were killed during the earthquake . ( Encyclopedia Britannica nd )

**Tangshan Earthquake of 1976**

This earthquake happened in a province of China . This earthquake has reached a magnitude of 7.5 also said that the death toll and even the damages that the earthquake leave were really broad . people that were counted dead as estimated 242,000 people were confirmed dead but may changed and can be as high as 655,000 -700,000 people were dead due to this earthquake even houses , cities nearby .( Encyclopedia Britannica nd )

**Haiti Earthquake of 2010**

One of the most known earthquakes in the world . as it was said the earthquake had a magnitude of 7. 0 but it is not the end it was also followed by two aftershocks which has a magnitude of 5.9 and the other one which has a magnitude of 5.5 cannot even imagine that they are others who survive the earthquake after the 7.0 magnitude that struck the Haiti . and after 2 aftershocks . the effects were as counted the people who were confirmed dead was about more 300,000 . and it was also said that there were survivors , hundred survivors were transferred from safe place after the earthquake . ( Encyclopedia Britannica 2014)

**San Francisco earthquake of 1906**

San Francisco Earth quake was said and has a magnitude of 7.9 that was also felt not only in San Francisco but also in Los Angeles but the main damaged of the earthquake the one that hit the most was in San Francisco 700 people were said killed . ( Encyclopedia Britannica 2013)

**Alaska Earthquake of 1964**

This earthquake is said to have a magnitude of 9.2 this earthquake as said is twice the intensity of the San Francisco earthquake . as counted only few were dead because of the low viscidity but the houses and property were really damaged ( Encyclopedia Britannica 2014)

**Sichuan earthquake of 2008**

Sichuan province was said to be located in southwestern China . the earthquake was measured 7.9 the effects were whole villages and town were said destroyed , buildings including schools collapses and destroyed . 90,000 people were assumed dead or even missing after the tragedy happen but according to final total of the damages the earthquake has done 3,500 children were found dead included in the 90,000 people who were confirmed dead after the tragedy happen. 375,000 people were said injured due to falling debris during the earthquake also 200 workers were found dead . this earthquake did such damage that people in china will never forget . it is not said if there any survivors after the earthquake ( Encyclopedia Britannica 2013)

**2005 Pakistan Earthquake**

This earthquake was said a magnitude of 7.6 the effects were almost 86,000 people were totalled or where said dead that more 69,000 people who were said injured . there are some survivors after the earthquake happened and seek for help and rescue . almost three million people had lost their homes after the disaster .(tw.tzuchi.org 2010)

**Earthquake takes heavy toll in Lisbon**

This earthquake hits Lisbon Portugal , according to estimation the earthquake magnitude is 8.0 as said the earthquake almost lasted for10 minutes in Lisbon Portugal . the effects were almost approximately 50,000 people were found dead and buildings collapsed as the people in the said city were said dead and was said to be buried alive .because it was All saints day when the incident happened people in the city were observing from churches when the building collapses due to the 8.0 magnitude of the earthquake . even thousands of homes were destroyed. the estimated damage and even the ones who were confirmed dead is approximately about 10,000 -50,000 people .( History.com 2009)

**1970 Great Peruvian Earthquake**

This earthquake was said . 25,000 were found dead and were killed due to falling debris as the earthquake occur or as the earthquake happen . also the people who were proved dead after the earthquake happened was buried alive due to falling debris .the earthquake lasted for about 3 minutes but because of the falling debris people have nowhere to run that is why people who were found and prove dead where said that those people were buried alive .( sprinterlife.com 2012) .

**Tokyo -Yokohama Earthquake of 1923**

This earthquake was said to have a magnitude of 7.9 that struck tokyo hokohama .the effects were 140,000 were dead according to estimation . almost half of the buildings were destroyed . many houses were shaken down or even destroyed .( Encyclopedia Britannica nd)

**1908 messina earthquake, italy**

This earthquake has said to have a magnitude of 7.1 the effects were , many lives were lost because of the buildings collapsed during the earthquake . almost 123,000 people were killed and lost their lives during the earthquake . 59,000 people near the place are left homeless .the houses even has no electricity at all .this was the effects for people also there are economic impacts that happened after the said earthquake. some of the residents were unable to pay for their major repair work due to the incident happened .it is said that the amount cost of repairs and everything after the earthquake was about 60 million euros that was the said amount after the earthquake happened .( weebly.com nd)

**Earthquakes in the Philippines and their effects**

**A magnitude of 7.5 quake struck** [**Mindanao**](http://en.wikipedia.org/wiki/Mindanao)

The earthquake was said it has a magnitude of 7.5 that hit the area of Mindanao .the effects after the earthquake where 11 people were found dead , 100 people were injured during the said incident , also many houses were destroyed and thousands of people were forced to evacuate for their own safety .(worldvision.org 2002).

**Earthquake Hits Mindanao September 3, 2012 - Magnitude 5.9**

The earthquake occur in Sultan kudarat Mindanao . the earthquake was also felt in other parts of Mindanao it was also felt in Cotabato , with a magnitude of 4 in Mindanao with a magnitude of 3 and in Zamboanga and in Sultan kudarat which experienced a magnitude of 2 . according to the article they were no said damages but the effect here is that it was an aftershock after all.(viralestoday.blogspot.com,2013).

**Philippines Earthquake 7.2 Magnitude Quake Strikes Islands Of Bohol And Cebu**

The earthquake struck Philippines that is said and measured an intensity or magnitude of 7.2 the earthquake happened in Bohol and Cebu this earthquakes was said that it killed 93 people were found dead . many buildings were destroyed and even historic places in Bohol and Cebu even 65 people were dead to collapsed buildings . almost all building were and historic places , even churches were destroyed it was even followed by a 300 aftershock that causes the building to collapsed and for the death of many . ( ibtimes.com 2013)

**A magnitude of 5.9 quake struck** [**Surigao City**](http://en.wikipedia.org/wiki/Surigao_City)

The earthquake was said a magnitude of 5.9 which was felt in other parts of surigao .the effects were no one were said dead during the earthquake occur but 20 people were confirmed injured due to the 5.9 magnitude quake that struck surigao .(noypistuff.blogspot.com 2012)

**Casiguran earthquake in 1968**

This earthquake was said to have a magnitude of 7.3 this earthquake happen Quezon . it was said to be the most destructive earthquake in Philippines . the effects were in the city of manila it was the most that was affected by the earthquake . the effects were 268 people were confirmed dead . and 261 people were injured . many buildings were destroyed and manage . (pedrokomentaryo-kapihan.blogspot.com 2012)

**Luzon earthquake in 1990**

It was struck by an earthquake with a magnitude of 7.8 the effects were it was estimated that almost 1,621 people were killed during the earthquake .the damages that the earthquake cause was 20,000 square kilometers along the area it was also even felt in manila. it destroys many buildings that lead to stampede and panic of the people . (pedrokomentaryo-kapihan.blogspot.com 2012)

**Mindoro earthquake in 1994**

it has a magnitude of 7.1 the effects were almost 78 people were confirmed dead 7566 houses were damaged after the earthquake . (pedrokomentaryo-kapihan.blogspot.com 2012)

**Mindanao earthquake  in 2002**

A magnitude of 7.5 the earthquake was said to be responsible for 15 deaths of people in 100 injuries other effects were 800 buildings were damaged as a result it came from falling debris and flood . (pedrokomentaryo-kapihan.blogspot.com 2012)

**Moro Gulf earthquake in 1976**

this earthquake was said to have a magnitude of 8.0 the earthquake was most felt in visayas . after the earthquake was followed by aftershock that has a magnitude of 6.8 it was also followed by a tsunami devastated 700 kilometers the effects were almost at least 5,000 people said were dead during the earthquake . thousands of people were missing the total people who were said dead after the earthquake were a total of 8,000 people .the ninety percent came from the result of the tsunami. other effects were initially over 8,000 people were confirmed dead or even missing almost 10,000 people were injured ,and 90,000 were left devastated and homeless . (pedrokomentaryo-kapihan.blogspot.com 2012)

**Luzon earthquake in 1645**

this earthquake was said a magnitude of 7.5 the effects manila was most hit by the earthquake almost the cities in manila were severe and damaged it almost ruined other churches in the capital including public buildings and residential villas that time it was said that only 600 Spanish people were killed during the said earthquake . and about 3,000 Spanish people were injured .(pedrokomentaryo-kapihan.blogspot.com 2012)

**Strong Quake Jolts Western Visayas and Cebu Regions**

An earthquake struck Negros with a magnitude of 6.9 after the said earthquake was followed by an aftershock which ranges a magnitude of 4.5 -5.8 the effect were the earthquake was most felt was in ilo ilo city the effects were classes were suspended but the damages were just minimal only small cracks at buildings but are still damages .(iloilolove.com 2012

**Synthesis**

There are useful ways on how children and people in the community will be able to do in the internet .The said project will inform children and people in the community that will give them enough and sufficient knowledge regarding the study this will also help the users to make their lives more easy . In connection website is an easy way on how children and people in the community will be informed about earthquakes in this the website will contain safety measures and guidelines that will let the children and people in the community be informed . using the internet the users can access the website that will give them information's and knowledge about earthquakes . this will serve as a guide for them too . and in that the users who can access or can view the website can share their knowledge and information's they will learn for those who cannot access or view the website .

**Chapter III**

**Theoretical Framework**

The theory being applied and served as the researchers guide in the capstone research is The Network and Analysis Theory and Information Richness Theory study would be connected in relation Network and Analysis Theory and Information Richness Theory

Network and Analysis Theory also called as network theory . is a theory that explains how the structure of relationship between entities. this theory also explains how can we best inter act with knowledge through connections . In this theory two important elements are being discussed . the two important elements of Network and Analysis Theory are nodes and ties what are nodes ?.nodes are the individual actors. what about ties , what are ties ? ties are the relationship between the actors ( Social Network Analysis 2009 ) meaning by that in relation to my capstone project who are the users of my project who are the users of my website . In the capstone project the users of the researchers website are people in the community and children since the study is all about earthquakes . in this people in the community and children are the nodes in connection to the theory . to further explain the connection between the nodes . in relation to capstone project the users of the researcher in the website are children and people in the community the relation is that both users can be connected and has relation to my website anything that can be connected and has a relation is a tie because it shows the connection between the individual actors which are the nodes .The theory can be applied in relation to my capstone project . the theory contributed the ideas for a successful output or product . with the help of the theory output would be a website that will inform the users a website contains safety measures about my study. this website is ideal for children and people in the community .

Another Important theory that is being discussed is Information Richness Theory . also called as Medias Richness theory . it discusses how communication will be applied using pictures , videos that will the users to understand the website well. it also discusses how communication will be applied though pictures , videos that will let the users be more interesting about the website that will lead to good sense of communication . this theory will really help for the improvement of the website for it will complete the things needed for the website . there are two elements of the theory which is lean media and rich media but for the capstone project , the researcher will only be using rich media .

In relation to Earthquakes , the researcher will be using two theories that would be applied and serve as a guide in creating website. The theories that the researcher will be using is Network and Analysis Theory and Information Richness Theory . Figure 1 illustrates the connection of the theories to the capstone project .It shows perspective of the theories in relation to capstone. Network analysis theory discusses how the relationship between the individual . the two elements of the theory will be applied in the capstone project which are the nodes and ties . how are this elements applied . since the researcher will be creating an educational website . the users of the website that the researcher will creating are children and people in the community . In connection the nodes are the one who will access the website that the researcher will be creating . since the researcher will be create a website that contains safety measures about earthquakes that will inform children and people in the community about earthquakes. children and people in the community will access the website that contains safety measures and information's about earthquakes . In connection to ties , Ties are the one who will bind the connection between the nodes and the website that the researcher will be creating . ties are children and people in the community . children is connected to people in the community , both users can access the website and gain such information about the website that contains safety measures about earthquakes . to elaborate one of the users of the website that the researcher will be creating is children . Children can access the website and learn information , gain enough sufficient information . the other user of the website is people in the community in this people in the community can also access the website that the researcher will be creating .to explain both users can access the website can gain information about the website .

In relation to information Richness Theory since that the researcher will be using graphics , pictures , videos this theory will really help . using rich media aside from easy communication for the users to easily understand the website . this will also help to improve the website and make the website more sense . this theory is easy to apply for it will really help the website be concrete and understandable In connection to the project the researcher will create a website that contains safety measures about earthquakes . In relation to the theory the researcher will present pictures that are related to earthquakes , video clips , graphics this will be use in order for the users to easily . the researcher will be using pictures , that are pleasing to the child's eyes since that one of the users is children the researcher will also be using videos that will help the users to further have knowledge and information about earthquakes . using those this will make their lives more easy and further easy for them to understand for children .

nodes

Ties

**Conceptual Framework**

Figure 1. Theoretical Framework

Rich media

The requirements needed in order to create the website . of course knowledge and background in creating a website , so that the website will be set and organize well . creativity is also needed in the requirement for creating the website . using color combinations will help the website and since once of the users of the website is children this would help that it may be pleasing into the eyes of the users

Planning on how to create the website of course is also included first thing background , knowledge about the study is needed since the researchers study is all about earthquakes , background and information about earthquakes is needed . so that the users will understand and gain correct and sufficient information in the website .

Users of the website is very important of course the users of the website should be applicable and the one that will really use the website that the researcher will be creating . In this the users of the website that the researcher will be creating can easily adopt and gain such enough and sufficient information's from the website .

Programming is also needed to create the website , A background and knowledge in programming is needed . Codes are being encoded in order to create the website . the researcher will be using HTML , CSS codes in creating the website , the researcher will also be using Xampp if possible to make sure or to test if the website is running or functioning properly. The types of software that the researcher will be using that will help the researcher in creating an educational website are : Adobe Dream weaver , Adobe Photoshop , Adobe Premiere with this software that the researcher will be using can be applied in creating the educational website .

The types of hardware that the researcher will be needing in creating the website are :Personal Computer, own external hard drive , own laptop , and of course flash drive this will be used for this will the researcher will save the important files that will be needing in creating the website , whatever happens if one the files in the hardware requirement is deleted the researcher has a backup to retrieve the file .

Editing can also be applied in creating the website , the researcher will be using pictures that will help the users to further understand and will give them information for example cartoon pictures of course editing is needed to resize the picture if needed and if want to edit the picture make it more creative , the researcher will also be using pictures that people who are in right age can understand again picture should be resize if needed . The researcher will also be applying video editing the researcher will show some videos or some video clips so that the users will be aware be informed and will give them guidelines on what to do . aside from in formations , pictures video clips will be used in creating the website

and lastly uniqueness of the website is needed . of course a website should be unique what makes it different from other website that the users access . enough , sufficient in formations will be needed in order for the website to be unique creativity is also needed to create an easy educational website that will be easy to understand for the users. the more the website is creative , enough guidelines , right in formations the more it is easy to understand by the users

All of these will be applied in the website .those are some things that the researcher will be needing for a successful website . without this , the website that the researcher will be creating will not be successful.

If the requirement for creating the website is well set and complete then the website is ready to create and the probably the output or outcome would be a successful and well developed website that will give share and will inform the users about earthquakes .

Children

People in the community

graphics

Videos

pictures

Figure 2. Conceptual Framework

**PROCESS**

2.) Software requirements

a.) Adobe Photoshop

b.) Adobe Dream weaver

c.) Adobe premiere

2.)Development

* Codes in HTML
* Codes in CSS
* Find a hosting site
* video editing

**OUTPUT**

**a new system:**

an educational website for children and people in the community .

**INPUT**

1.Knowledge

Requirements

a.) creativity

b.)pictures

c.) information about earthquakes

d.) text

e) programming

f.) video clips

g.) graphics

Let children and people in the community be inform be aware about earthquakes and learn using the newly developed educational website

Figure 3. Operational Framework

**IV. Methodology**

**A. Research Methodology**

**Research Design and Methods**

The study will be involved in creating a website for children 7 -10 years old and people in the community that are 12 years old and above . Research and interpretations were required to address the content and the information that will be use by the users. In doing the research, survey will be use in order in finding the needed contents that will be put in the website . multi method approach best complements the study . the researcher will used qualitative and quantitative questions in doing the survey .the quantitative questions will sum up the tally or the total value of answers of the children and people in the community . to assure that the answers were concrete the researcher will be using qualitative questions that will help the researcher to improve the website .two different survey questions will be distributed by the researcher in conducting the survey one for children that ranges 7-10 years of age and one for people in the community . for children the questions that will be in the survey that the researcher will be distributing is that, what comes into their mind when they hear the word earthquake , what is earthquake for them .the answers of the children age 7-10 years old will be totaled . for people in the community the survey questions that will be distributed by the researcher are what , why they used internet if they want to have a website that will let them inform about earthquakes , what will they want the website to look like do they prefer it simple , how will it be use by children 7-10 years old and people in the community . The survey will be distributed by people in the community nearby the place where the researcher itself can possibly conduct a survey , for children since the researcher will conduct the survey in nearby places where there are children like in school there are children that are 7-10 years range of age from there the researcher will ask questions and will interview children about the study . The researcher will conduct the survey for the needs of children that are 7-10 years of age and for people in the community . the results will be use in the content of the project . the categories for the content will be types of earthquake , magnitude , effects , causes . the researcher will take enough time to analyze what will be the possible tips that will be available in the content of the website . Most of the topics in each category will came from books , electronic sources .the selected topics will be apply in creating the website . The researcher will turn them into a programming instruction meaning that each instruction is made as a program that can easily understand by the users .

**Concept and Indicators/Variables and measures**

The website aims to make a website for children 7-10 years old and for people in the community the latter part of getting to know the assessment for the website was to conduct a survey to the users .The survey variable will include the answers / status of children 7-10 years of age and for people in the community . which will include how many of the children will answer the same how many of the children will not answer the same .For people in the community how many will answer yes no and according to their status . is a student , employee , worker . computer , internet literate which will be the qualitative part of answering the survey .This will help in support the needed assessment that will complete the website . the data and answers that will be gathered will be use as a basis in creating the content of the website .

**Research Instruments**

Both qualitative and quantitative and qualitative method will be combined in the survey that the will be researcher conducted .The quantitative method will be use for statistics in doing the tally of the most favored part of what will be the answers of the users , target audience .The qualitative method will come up with a follow up questionnaire which will allow the target users to express and give suggestions , comments on the study .the questions will determine the content of the website according to the number target audience who will agreed to a concept that will start the content of the project .

**Unit of Analysis**

Children 7-10 years old and people in the community were the main focused of the study .their answers will determine the content of the website that will help in maintaining clean and clear information to avoid deletion of the study and the website. The informations will helped in improving the concepts that will made up the contents of the website .

**Data Gathering**

The survey will be conducted and the questionnaire will be distributed one week before the deadline .The focus of the study is on making an E learning website that can help children and people in the community . the content is possible to the survey answers . the survey that will be distributed can be re edit when answered .the respondents will be advised to make revisions if needed .

Data Analysis

Using statistical analysis frequency counts of variables will be determined. answers , scores will computed . the recorded answers of the target audience or the respondents will be group in terms of the similarities and in terms of differences how many answered the same how many not have the same answer how many answered yes how many answered no .after evaluating and finding the answers of the respondents or the target audience all similar answers responses will be group or combined together and classified according to their category .

**Scope and Limitations**

The scope of the study that will fully determine the specific principle that will be driven for the specific target audience or the respondents . the content of the website will all be about earthquakes only not aftershocks . the website contains safety measures , information's , guidelines , causes , effects about earthquakes that will inform children 7-10 years old and people in the community. the topics should be connected and has a relation that will be the content of the website . people in the community that will use the website will be at age 12 years and above and for children that are 7-10 years of age the website will contain sufficient enough guidelines that will be easy to understand by children that are 7-10 years of age and for people in the community that are 12 years of age and above . The limitation of the study will be to develop an E -learning website not a mobile application . children that will be using the website is limit to 7-10 years of age only will not exceed . people in the community should be 12 years old and above not 11 years old. the number of the respondents for the survey should be limit only up to 30 number of respondents because of the busy schedule or the unavailability of the other respondents . the website will only contains safety measures , guidelines and informations , causes and effects about earthquakes will not contain types and others only informations , guidelines , effects , causes and safety measures about earthquakes . the researcher will only use Dreamweaver , Photoshop , premiere . Flash ,not Visual basic .

**B. Project development methodology**

Figure III illustrates the conceptual framework of the study .the researcher shall get all the necessary requirements such as information about earthquakes .all information's , images files that will be used in creating the website .Also the researcher must have a knowledge of the following in order to come up with the website . The researcher needs the software like Adobe Dreamweaver, Xampp which will be the primary used software in building the website that will inform children and people in the community about earthquakes. The researcher will also used software like Adobe Photoshop in editing the pictures and all the jpeg files .Adobe premiere in editing the videos that that researcher will put in the website this software will be used by the researcher in designing the website . after that the researcher should verify if all the necessary things , software needed in creating and designing the website is applied . the researcher will also access local host by testing if the website is running properly or not if it has no problem at all. Then website will now be access by the users of the website by disseminating the url or (uniform resource locator)

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