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**Adi Kita: Davao Oriental Tourism Comprehensive Guide**



**MARVIN DAPITANON**

**ABUBAKAR SIDDIK C. BENITO**

A Capstone Project Proposal Presented to the  
**INSTITUTE OF COMPUTING AND ENGINEERING**  
of the Davao Oriental State College of Science and Technology  
In Partial Fulfilment of the Requirements of  
**IT 141 – Capstone Project**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

**CINDY A. LASCO**

Adviser

JULY 2020

10P162

## ABSTRACT

The project entitled "AdiKita: Davao Oriental Tourism Comprehensive Guide" is a system for Province of Davao Oriental Tourism to give a solution for the visitors from outside places of the province, and to promote Davao Oriental all over the Philippines and the world by introducing them to different stunning places and abundance of cultures in Davao Oriental. The purpose is to provide a reliable information through GIS. A geographic information system (GIS) is a system used to record, store, analyse, and reproduce spatial and geographical. This system display information of each category such as tourist attraction, tribes, artefacts, festivities, schools, hotels, restaurants, and beaches. GIS application in tourism opens up new avenue and enhances tourist experience near accurate details of the area making the visitor/tourist enhance their experience and helps them understand the culture and values of the people living in the area. This application also aims to promote variety of culture practical in the province.

Keywords : GIS, culture, Davao Oriental, information

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## Chapter I

### INTRODUCTION

#### 1.1 Rationale of the study

Davao Oriental is in the easternmost province in the Philippines, located at the Davao Region in Mindanao and is considered as a rising tourist destination. The Davao Oriental is subdivided into 10 municipalities and 1 city; with Mati City as its provincial capital; bordered by the province of Compostela Valley to the west and Agusan del sur and Surigao Del Sur to the north. This province is a traditional homeland of the Mandaya and Kagan people, and whose name was derived from the word "Dabaw" of which the center west of the province (Davao-orientalL, 2019). About 300 years ago, Davao Oriental was merely a part of Caraga province, forming part of the encomienda de Bislig with the Encomienda de Seargao, Butuan, and Tandag. In July 1, 1967, under Republic Act 4867, Davao was divided into three provinces. Davao Oriental was created as a separate and independent province along with Davao del Sur and Davao del Norte (Chineseconsulate, 2019).

Presently, Davao Oriental became a rising tourist destination for its places, culture and activities that catches the attention of people outside the province and even some people living within (Santos, 2019). Most tourist visit places enough knowledge on the tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches and school present in the place hence, usually acts without cultural sensitivity. With this, a mobile application has developed reliable information.

The study aims to give a solution for the visitors from outside places of the province, and to promote Davao Oriental all over the Philippines and the world by

introducing them to different stunning places and abundance of cultures in Davao Oriental. With this, the developer aims to develop an application entitled "**Adi Kita**": **Davao Oriental Tourism Comprehensive Guide App**" which will provide relevant information about the province.

### **1.2 Purpose and Project Description**

The project is entitled "**Adi Kita: Davao Oriental Tourism Comprehensive Guide**". "*Adi Kita*" came from the Mandayan word which means "*here we are*" in English. The purpose is to provide a reliable information through GIS. A geographic information system (GIS) is a system used to record, store, analyse, and reproduce spatial and geographical. GIS display information of each category such as tourist attraction, tribes, artefacts, festivities, schools, hotels, restaurants, and beaches. GIS application in tourism opens up new avenue and enhances tourist experience near accurate details of the area making the visitor/tourist enhance their experience and helps them understand the culture and values of the people living in the area. This application also aims to promote variety of culture practical in the province.

### **1.3 Objectives of the Study**

This study generally aims to develop a geographic information system based mobile application for Davao Oriental. The system was designed to present the tourist attractions, places, etc. within the province. The following are the specific objectives:

1. Design and develop an "**Adi Kita: Davao Oriental Tourism Comprehensive Guide**" which is capable of:

- Providing a feature that will display the map of Davao Oriental in 3D format.
- Providing feature that allows categories according to places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, and schools within the province.
- Displaying information for each category in a form of clickable markers, which includes images and etc.

2. Evaluate the “Adi Kita: Davao Oriental Tourism Comprehensive Guide” in order to determine if it complies with an ISO 9126-1
3. To prepare an implementation plan for the deployment of the project.

#### **1.4 Significance of the study**

The output of the developed system is expected to access the information of each category relevant to Davao Oriental. This study is significant to Davao Oriental tourists and visitors considering that with the use of smart-phone, the user can have easy way access to the information about tourist attraction, tribes, artefacts, festivities, schools, hotels, restaurants, and beaches within the province. The users can access reliable information through the system thus, improve Davao Oriental tourism. These aspects help to effectively entice more tourist in the place for it is one of the backbones of the economy.

#### **1.5 Scope and Limitations**

This system focuses for the tourist outside the Davao Oriental. The scope and limitation of the study are the following:

### 1.5.1 Scope

The specific functions were listed below:

- The system can provide relevant details about different places, tribes, foods, festivities, tourist destinations, animals, artefacts, restaurants, hotels, beaches, schools and cultural sensitivity found in Davao Oriental
- The application can able to display the name of places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, schools, and cultural sensitivity that can be found in Davao Oriental.
- The system can display the tribe information and population counts of various tribe of different municipalities and city.
- The system can locate of places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, schools, and cultural sensitivity that found in Davao Oriental through markers on 3D map of the province.
- The system can create marks for distance and displacement from where the user is going to the place where the user wants to go, if the user is within the province.
- The system can provide information about festivities, places, tourist destination, restaurants, hotels, beaches, such as school as where it locates summary and full of description and images.
- The system can provide information about animal, artifacts, tribes, cultural sensitivity such as where they can be found description, and images
- The application is available in offline/online features.

### **1.5.2 Limitations**

The following lists are the functions of the system:

- The application is exclusive for province of Davao Oriental.
- The application cannot upload its own theme.
- The application only runs on mobile Android operating system.
- The developed application will not run on smartphones running non-Android operating systems as well as on Android phones with API level 18 and below.

## 1.6 Conceptual Framework

The figure showed how the system operates. The user can execute different kinds of action provided on the mobile application. The user may able to view information of places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, schools, and cultural sensitivity.

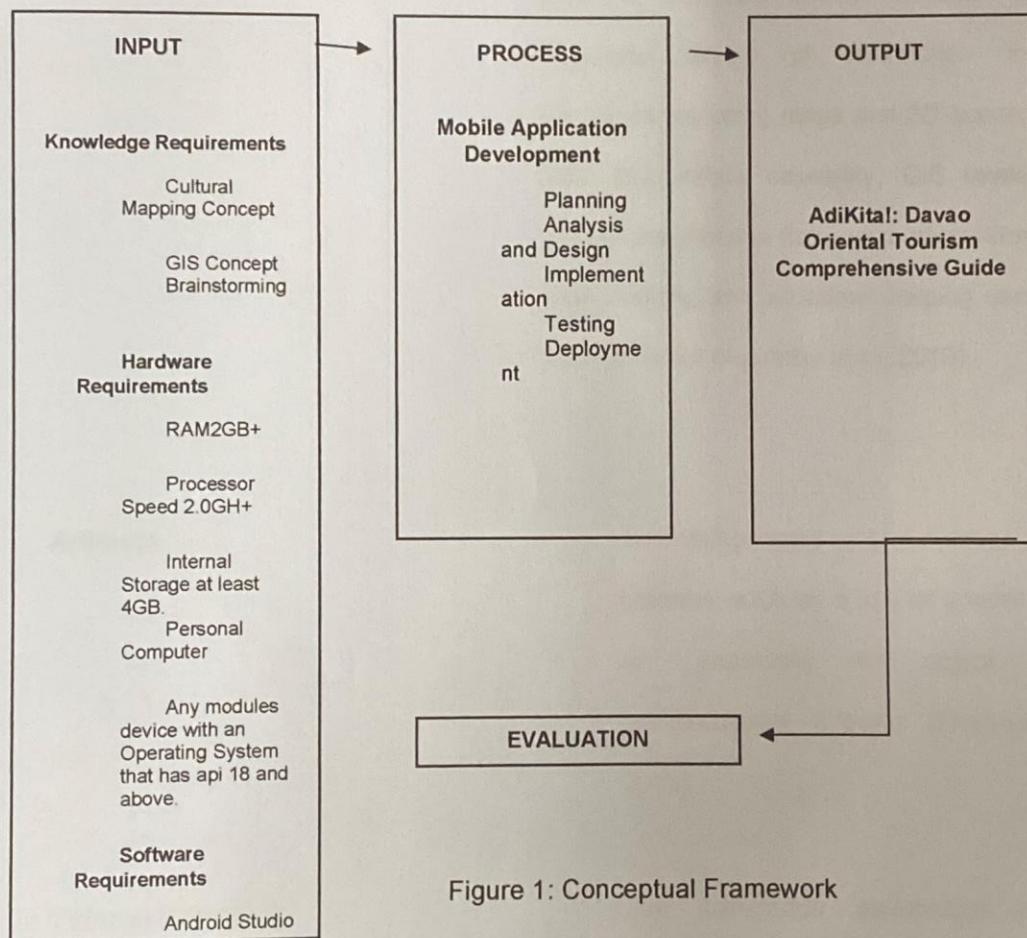


Figure 1: Conceptual Framework

## 1.7 Definition of Terms

### **Geographic Information System (GIS).**

A framework for gathering, managing, and analyzing data. Rooted in the science of geography, GIS integrates many types of data. It analyzes spatial location and organizes layers of information into visualizations using maps and 3D scenes. With this unique capability, GIS reveals deeper insights into data, such as patterns, relationships, and situations helping users make smarter decisions (Esri, 2019).

### **Artifacts.**

Something made or given shape by humans, such as a tool or a work of art, especially an object of archaeological interest (Friedman, 2015).

### **Cultural Sensitivity.**

The knowledge awareness and acceptance of other cultures, multicultural values, customs, and norms are necessary, yet insufficient (Hoffman, 2015

## CHAPTER II

### REVIEW RELATED LITERATURE

#### 2.1 Technical Background

In building up this project. It is imperative to realize what will be used, as it will become one of the fundamentals in making the system. The developers have used the applications listed below

##### 2.1.1 Software

###### Adobe Photoshop

The developers used Photoshop to create images and icons. Adobe Photoshop allows the users to edit graphics. It is widely used by graphic artists, designer and photographers, enhancing and manipulating images to improve the appearance. It's a great tool that makes photo editing easy, fun and efficient (Techopedia, 2019).

###### Android Studio

The developers utilized Android Studio to make an application that runs on mobile, and other rising advances running on android. It is an IDE from Google that furnishes the developers with required devices to build application for the Android OS platforms. It has a rich UI improvement condition with formats to give new developers a take-off platform into Android advancement (Android, 2018).

### **SQLite**

The developers utilized SQLite for the database of the application. The design goals of SQLite were to allow the program to be operated without installing a database management or requiring a database administrator. It is a popular choice as embedded database software for local/client storage in application software such as web browsers. It arguably the most widely deployed database engine, as it is used today by several widespread browsers, operating systems and embedded systems such as mobile phones among others (Burghate, 2012).

### **Geographic Information System (GIS)**

The developers used GIS as this is one of the main objectives of the project. It allows the developers to record a base map with a geospatial referencing system such as longitude or latitude and then to add additional layers of other information. Importantly that information is identified using the same geospatial referencing (Esri, 2019).

### **Firebase**

A cloud-hosted database the data is stored as JSON and synchronized in real time to every connected client. the developer use it is store and sync data with NoSQL cloud database. Data is synced across all clients in real time, and remains available when your app goes offline (Firebase, 2019).

## 2.2 Related Literature

According to Tourism.gov.ph, (2020) explain tourism are the specific places which tourists come to see and experience. It may be an existing natural attraction like volcano, an area of natural scenic beauty national park or man-made attraction heritage structure like beach/golf resort. It can also be a site or area for potential development or enhancement for tourism such as a green field site for a new resort, or a coastal area, which could be designated as a marine park.

In Indonesia, according to Roberta, et al (2011), tourism in Indonesia is increasing rapidly, judging from the number of local and foreign tourists which is always growing every year. The rapid development of technology is also very influential in the development of tourism, using the web to provide information on tourism in Indonesia, through displaying text and images. Web based information system that provides to access location of tourism in Indonesia. Hence, the information generated in the web can be displayed in text, visualization, image, and the chat box for questions.

Prusty, et al (1970) said tourism is an industry is multi-segmented in nature and is considered to be an economic bonanza. In the other hand, Indian Tourism is an interesting journey of architectural and cultural escape from the reality into the glorious past and humungous variety in textiles, cuisines, art forms and folk tradition, to list a few. India attracts a lot of tourist every year.

Cultural mapping is thus not just linked to the tradition of cartography and thereby to a visual presentation of the spatial structures of a certain area and its resources. Duxbury, et al (2015) explain the cultural mapping it covers quite a variety of methods and practices, but with some commonalities. Cultural mapping has attracted increasing attention over the last decade. At its core is the exploration of the complexity of local

meanings of place through engagement with people and artistic practices, often with other sources of data, and these are deployed with a variety of objectives.

Mobile information community develops quickly, as mobile telecommunication technology matches to the third generation. XML-based GIS becomes a global standard and the foundation. In tourism system or guide implements thin-client/server technology for mobile mapping service. Tourism information system for supporting the location-based service of GIS application Jeong et al (2006).

Geographic Information System (GIS) technology this is the first thing in using the mapping and great opportunities for the development of tourism application using maps. Tourism provides some details in each category like in country, cities or provinces and provides strategic opportunities and powerful tools for economic growth (Njegus, 2008).

There are several countries who are using GIS in promoting tourism. These includes:

In Chandigarh City, India, Lalit (2014) said GIS application towards promoting tourism and providing an innovative way to the users to access spatial orientation of the city. GIS content forms the core component of this application as it provides the worldwide users with spatial information about the place that is very close to reality. Tourists generally want to find objects of tourism and amenities with reference to their geographic position and surroundings. The tourism guide using GIS Technology is satisfying to find a good hotel without a reference to restaurants, sights or event locations located nearby. Tourism information using GIS for Chandigarh city takes into present the tourism objects in geographic context on interactive tourist maps.

Medan as one of the historical towns in Indonesia Fitri, et al (2017) said the cultural mapping and using GIS Technology is the seven heritage conservation districts in the city of Medan, it focuses on exploring the process and challenges of the building of the cultural map, and also emphasized the importance of the cultural mapping in preparing the conservation, strategies and cultural heritage by using cultural mapping and GIS in Medan.

According to Shyti, et al (1970) explain the GIS (Geographic Information System) in the tourism industry in Albania. The tourism guides it applied which is an important destination in country for both native and foreign tourists. Tourism is one of the most part industries in Albania and Elbasan represents one of the tourist regions in the country regarding culture, history, and tourist attractions, hostelry, restaurant and bars, commercial centres, transport communication and other different infrastructure constructions favouring growing economy. However, as for all Albania, the tourism industry in the Elbasan region has many difficulties about the promotion, such as the lack of graphical tourist guides and maps, lack of information based on the internet, lack of digital information for tourism facilities, insufficient promotion from the government and other public institutions.

## 2.3 Related Systems

### 2.3.1 Legazpi Tourism Guide

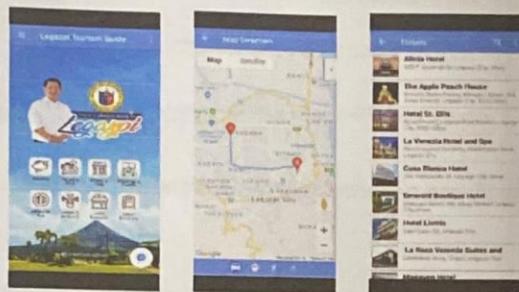


Figure 2: Legazpi Tourism Guide (Lakwatsero, 2017)

Legazpi Tourism Application to provide convenience to the tourist and users in carrying all the information and resources. Legazpi Tourism Application aims to provide all the information by categories inside in Legazpi Province. Though the application has no longer to worry about hiring professional tourist guides or surfing on the internet for individual guides, maps, and navigation systems to suit all needs.

### 2.3.2 Valencia Essential Tourist Information and Tourism Guide

TOURIST GUIDE  
VALENCIA

Home Page  
Valencia City Map  
Accommodation  
Airport  
Areas  
Attractions  
Clubs  
Commercial  
Hotels  
Venues  
Maps  
Music  
Photo Albums  
Restaurants  
Shopping  
Transport  
Sport  
News  
Transport

Valencia Essential Tourist Information Guide

Valencia is one of the most vibrant, forward-thinking and cosmopolitan cities in Spain. It is the country's third largest city and has a heritage, culture and nightlife to rival the best cities in Europe.

Much of your time in Valencia is likely to be spent in the old town - El Carmen. This area is the home of important buildings including the cathedral, the art deco food market and the ceramics museum. It is also the place to head for a spot of Valencia's famously good shopping. The bars and restaurants are in the mood for a night out on the tiles; the small streets surrounding the cathedral are jam-packed with small bars, tapas joints and clubs.

Valencia is very proud of its dedication to forward-thinking architecture and cultural projects. The world famous City of Arts and Sciences has to be seen to be believed. It is a cultural centre stretching over 2 km and made up of buildings and open spaces that look like

A street in Valencia old town

English (EN) ▾  
One included tour guide. No extra fee.  
Minimum stay of 3 nights.  
More information  
Included package  
View more

Public Transport Card with Private Transfer to your accommodation

What is included:  
✓ Valid for 3 days  
✓ Transfer to hotel  
✓ Access to Metros  
✓ Access to Busses  
✓ Stress Free Travel

Click the button below to make your booking.

Booking information

**Essential Valencia Restaurants Guide**

- Fast Food Restaurants**  
Fast food restaurants addresses, e-mails and telephone numbers for fast food joints in the city centre
- Places to Eat**  
Eating out overview to restaurants, tapas bars and other places to eat in Valencia. Links, advice and information on places to eat in the city centre
- Restaurants**  
Restaurants Addresses, e-mails and telephone numbers for the restaurants in the city centre. Valencia restaurants locations and contact details
- Tapas**  
Tapas places to go for tapas in Valencia. A walking tour of some of the best tapas bars in the city centre.

**Public Transport Card with Private Transfer to your accommodation**

**What is Included:**

- Valid for 3 days
- Transfer to hotel
- Access to Metros
- Access to Buses
- Stress Free Travel

Click the button below to make your booking.

**Booking information**

**Tourism information and guide is one forward thinking and cosmopolitan cities in Spain. This system provides information about the heritage, culture and nightlife to rival the best cities in Europe Valencia (Valencia-cityGuide, n.d.).**

### 2.3.3 Kazakhstan Tourism - A Comprehensive Guide

**Kazakhstan Tourism – A Comprehensive Guide**  
by warrenj | 3 days, 2010 | 14 comments



**KAZAKHSTAN TOURISM DESTINATIONS**



**Aktau**  
Situated on the shores of the Caspian Sea, Aktau is a pleasant resort town and Kazakhstan's main coastal city (although the Caspian is technically a large inland sea). A nice place to cool off after the heat of the desert and there are a few interesting sites, such as the lighthouses.



**Almaty**  
Almaty is the most populous former capital and resting heart of Kazakhstan. A winter playground and home to Central Asia's premier ski resort at Shymbulak and high altitude skating rink, Jelzay Almaty is a must-visit for anyone travelling to Kazakhstan.



**Aral**  
Once a thriving trading post on the Silk Road, this small town of Aral (now in Russia) has seen better days. You will see more camels than ships here now as the island has moved since Aral dry up as a result of Soviet damming of the rivers feeding it.

*Figure 4: Kazakhstan Tourism - A Comprehensive Guide*

Kazakhstan tourism is in its infancy by international standard, the web-based system provides information about the tourist destination, foods, historical and culture, animals and existing and oldest sceneries in the county of Kazakhstan (Steve, 2019).

#### **2.4 Synthesis**

Both related literature and system have some similar approach in terms of tourism comprehensive guide. There are lots of existing applications that can be used by other places especially somewhere in Visayas and Luzon. Most of it is focusing the province of Davao Oriental. But some of the application is not working the way the applications were described.

The unique idea of this developed study is that it can guide all the user outside in Davao Oriental and to promote the beaches, restaurants, animals, artifacts, cultural sensitivity, tourist destination, schools, inland/island, festivities, tribes and foods in every municipalities and city.

## CHAPTER III

### MATERIALS AND METHODS

#### 3.1 Software Methodology

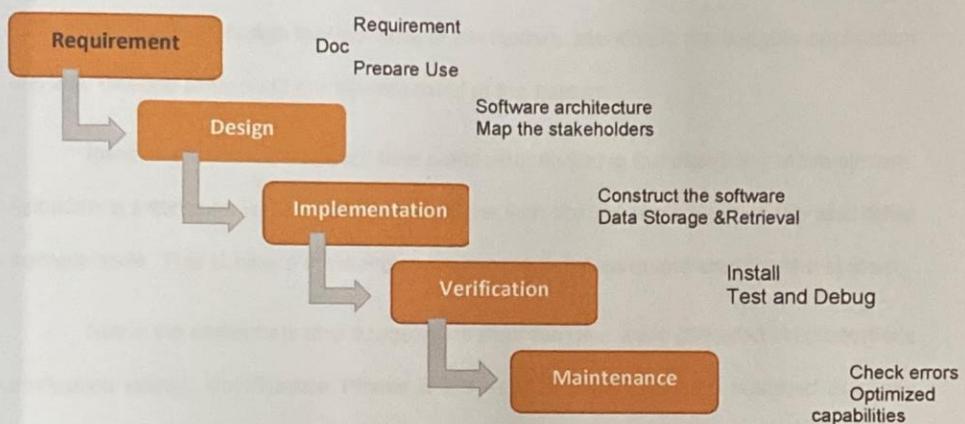


Figure 5: Waterfall Model Methodology (Sharma, 2016)

**AdiKita: Davao Oriental Tourism Comprehensive Guide** was designed using Waterfall model. Each phase was completed before the next phase can start. At the end of each phase, a review will take place to determine if the project is on the right path whether the project should be continued or not. All stages will be fixed and accurate because there is no going back to change something and fix. The advantages are you can easily estimate beforehand your employees labor hours, your budget and release date.

**Requirements Phase** is where the group gathers more information from the organization that is needed for the required functionalities of the system. The developers gathered the requirements to make this system through using RRL that were gathered to

get the idea about this proposing system and also to the people who were interviewed for this system.

After gathering all the information needed, the developers proceeded to **Design Phase**. In this stage, the developers analyzed the data that were gathered and examine it to finalize the final design that will benefit the system. Identifying the suitable application are also needed to support the development of the system.

**Implementation Phase** will take place after finalizing the designing of the system. Application interfaces will be analyzed together with the system's functionality and other suitable tools. This is where the developers started developing and creating the system.

Since the comments and suggestions from the user were gathered on customer's evaluation phase, **Verification Phase** is the next stage, the system is tested to check whether it meets the requirements of the customer.

**Maintenance Phase** is where the developers ensured that the system is running smoothly on the required devices without any downtime. Issues that are reported after going live are fixed by the developers and tested by the developers.

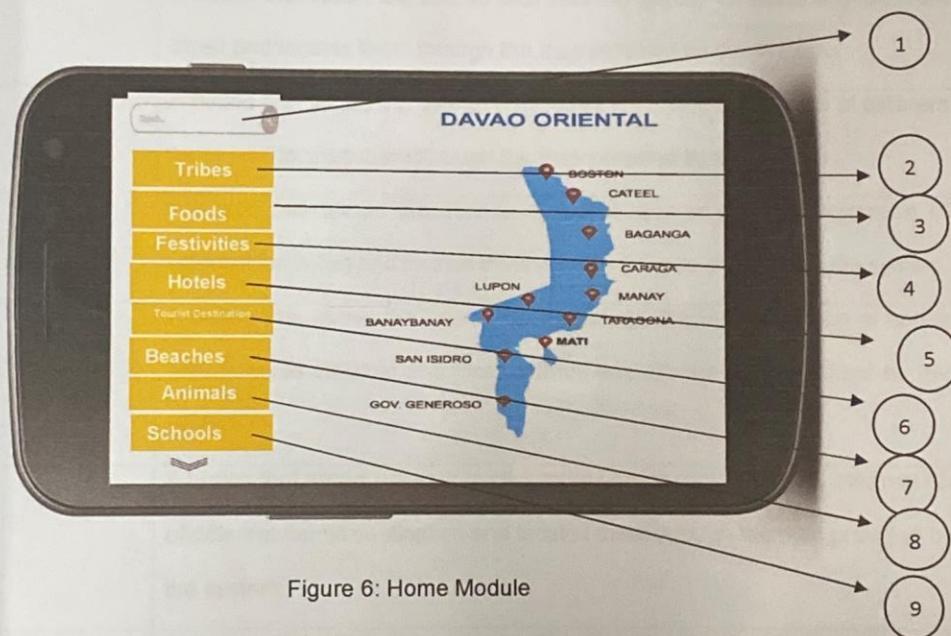
### 3.2 Study Area

**"AdiKita: Davao Oriental Tourism Comprehensive Guide.** The target of the study is whole Davao Oriental especially 10 municipalities and 1 city. The developer presented the places, food, tribes, festivities, tourist destination, animals, artifacts, restaurants, beaches, hotels, schools and cultural sensitivity.

### 3.3 Mock Up Design

This phase showed the form layout of the developed system. It provided a description on the table as well as the information details on what were the functionalities on its numbered part of the figure.

#### 3.3.1 Home



**Table 1: Home**

Number	Description
1.	A search bar where the user inputs category such as places, tribes, foods, festivities, tourist destinations, animals, artefacts, restaurants, hotels, beaches, schools.
2.	A button that allows the user to click tribes to display information of different tribes and locates them through the map provided by the system.
3.	A button that allows the user to click foods to display information of different foods and locates them through the map provided by the system.
4.	A button that allows the user to click festivities to display information of different festivities and locates them through the map provided by the system.
5.	A button that allows the user to click hotels to display information of hotels within Davao Oriental and locates them through the map provided by the system.
6.	A button that allows the user to click tourist destination to display information of different tourist destination and locates them through the map provided by the system.
7.	A button that allows the user to click beaches to display information of different beaches and locates them through the map provided by the system.
8.	A button that allows the user to click animals to display information of different animals and locates them through the map provided by the system..
9.	A button that allows the user to click schools to display information of different schools and locates them through the map provided by the system..

### 3.2 Requirements Analysis

#### 3.2.1 Documentation of the Current System

The process used in the current system is all manual. They don't have any system for the people. They only use social media eg Facebook. AdiKita: Davao Oriental Tourism Comprehensive Guide provides all the variety of information that can be found within Davao Oriental.

### 3.3 Requirements Documentation

#### 3.3.1 System Architecture

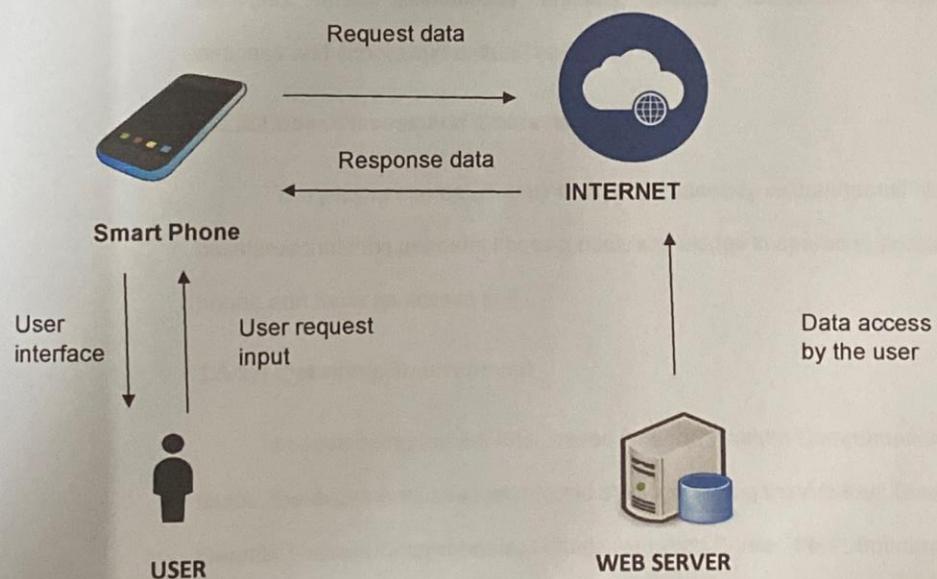


Figure 3.2 System Architecture for our system.

Figure 3.2 showed the flow of process of the developed system, entitled "Adi Kita: Davao Oriental Tourism Comprehensive Guide". The main process of the proposed system is the user can access the information about tourist attractions, tribes, tribes,

festivities, schools, hotels, and beaches within Davao Oriental using smartphone with an internet connection and without after the data being downloaded to the application. The application serves as a comprehensive guide where the user can access categorized data that are shown in the application.

### **3.3.2 Requirements Specification**

#### **3.3.2.1 Product Perspective**

The product developed by the researcher concern that runs in any android mobile devices. The AdiKita: Davao Oriental Tourism Comprehensive Guide can display relevant information about tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches and school and cultural sensitivity.

#### **3.3.2.2 User Classes and Characteristics**

The project can be used by everyone especially visitors/tourist. It is considered that the user must have a basic knowledge in operating android phone and have an access to it.

#### **3.3.2.3 Operating Environment**

In developing the Adi Kita: Davao Oriental Tourism Comprehensive Guide, the developers used an android studio in coding the Adi Kita: Davao Oriental Tourism Comprehensive Guide with Web Server, PHP, Bootstrap, JQuery, Database and have an internet connection and using GIS or Geographic Information System. The Adi Kita: Davao Oriental Tourism Comprehensive Guide intended to run on android phones.

#### **3.3.2.4 Design and Implementation Constraints**

The system design was based on the best interface fit for the functionalities of the system. Implementation needs a compatible android OS version like Jelly Bean, Kitkat, Lollipop, Marshmallow, Nougat and Oreo. Operating System that has API 18 and above.

#### **3.3.2.5 User Documentation**

All documentation made in accordance to help the user in operating the system. The documentation is accessible in the application and it must be taken part in one activity of the system.

#### **3.3.2.6 Other Non-Functional Requirements**

The system must be responsive and the delay involve must be less. Therefore, in every action made by the user, the system must respond immediately and the functionality of the system in gathering data must be accurate.

##### **3.3.2.6.1 Safety Requirements**

The transmission of information must be securely transmitted to the online database. All the data is sync with an online database in order to avoid data loss.

##### **3.3.2.6.1.1 Software Quality Attributes**

The Adi Kita: Davao Oriental Tourism Comprehensive Guide possessed the following attributes.

#### **3.3.2.6.1.2 Reliability**

The system provides the right tools for gathering the data. The produced information of the system must be accurate and understandable.

#### **3.3.2.6.1.3 Efficiency**

The system can convert inputted data into information in time with no delays.

#### **3.3.2.6.1.4 Usability**

All of the components of the system are made understandable. The system is design to be handled easily and navigate it fluidity with no delays. Some information is presented in graphical for better understanding.

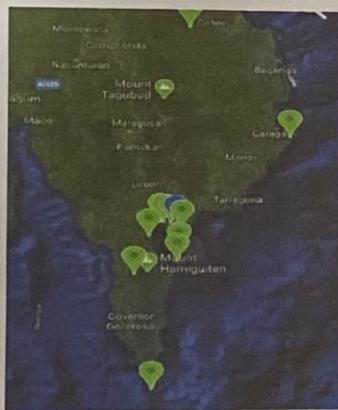
## Chapter IV

### RESULTS AND DISCUSSION

#### 4.1 Achievement per Objective

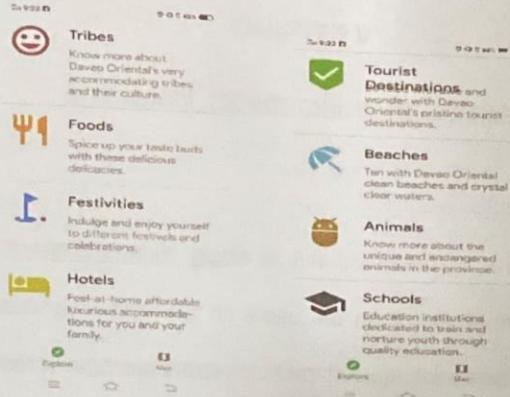
The main objective of the study is to view a category according to places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, and schools within the province. The researchers developed a system that successfully achieved some of the following objectives.

Design and develop an "Adi Kita: Davao Oriental Tourism Comprehensive Guide" which is capable of:



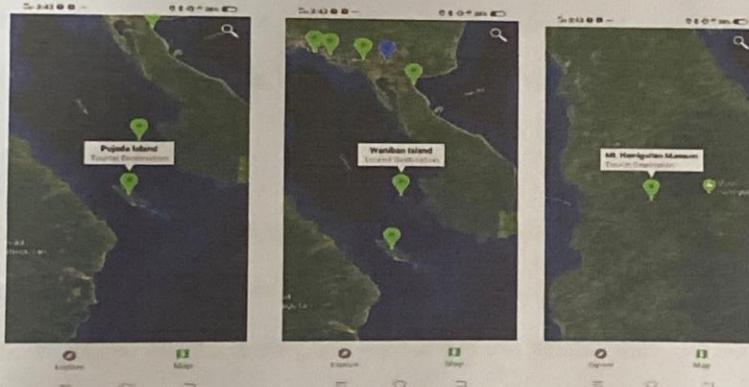
*Figure 4.1.1 Map of Davao Oriental*

Providing a feature that will display the map of Davao Oriental in 3D format.



*Figure 4.1.2 Categorized Information for Davao Oriental*

Providing feature that allows categories according to places, tribes, foods, festivities, tourist destinations, animals, hotels, beaches, and schools within the province.



*Figure 4.1.3 Markers of the Map of Davao Oriental*

Displaying name for each category in a form of clickable markers, which includes tourist destinations and etc.

## CHAPTER V

### SUMMARY, CONCLUSION, RECOMMENDATIONS

#### **Summary**

Tourism comprehensive guide in Davao Oriental is an important tool of any adventurist, traveler and explorer to have. As an information technology student, the researchers wanted to address those problem through the development of "AdiKita: Davao Oriental Tourism Comprehensive Guide" that would help the adventurist, traveler and explorer who wants to visit in the province of Davao Oriental.

The system is a mobile application based that view relevant information like tribes, foods, festivities, tourist destinations, animals and hotels. It was designed mainly to automate and improve the tourism guide. The mobile application is capable to locate the tourist spot by using a Geographic Information System (GIS) or GPS.

#### **Conclusion**

The development of "AdiKita: Davao Oriental Tourism Comprehensive Guide" is to make an easy way of accessing data within the province and guide for the tourists/visitors. Based on the testing and evaluation the system was unable to display images with full and brief explanations of information due to problem of gathering data. The system cannot locate an information through the map using GIS provided by the application.

As requirements, based on the objectives of the researchers, they successfully implemented the system's following features:

- Display the map of Davao Oriental in 3D format.

- Display categories according to places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, and schools within the province.
- Display information for each category in a form of clickable markers.

Overall, based on the result and evaluation, the project had successfully achieved some of the objectives of the system. However, the system would not be useful to the tourists and visitors until the data has been gathered and uploaded.

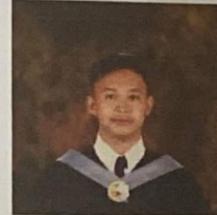
### **Recommendations**

The developers of the "*AdiKita: Davao Oriental Tourism Comprehensive Guide*" recommend this to tourism office for them to conduct a further study on the system to improve the system in order for it to become more useful and relevant. The result of this study will also serve as guide for the future researchers who wish to continue this study and improve it. As for the system, the researchers had the following ideas and recommendations that would help to improve the system.

- Adding more information about Davao Oriental and also its history.
- The background or theme of the system must be updatable.
- System can run in any updatable android version.
- Add data about places, tribes, foods, festivities, tourist destinations, animals, artifacts, restaurants, hotels, beaches, and schools within the province.
- Adding information about cultural sensitivity in Davao Oriental

## MARVIN DAPITANON

Sitio Batiano, Purok Danao, Brgy. Lawigan, City of Mati  
Contact No: +63518329602  
Emergency Contact No.: +639070564085  
Email address: dapitanon.marvin04@gmail.com



## PERSONAL INFORMATION

Age :	21 years old
Birthday :	April 05, 1999
Citizenship :	Filipino
Marital Status :	Single
Religion :	Roman Catholic
Father :	Romulo Aton
Occupation :	Farmer
Mother :	Lourdesita Dapitanon
Occupation :	Housewife

## EDUCATIONAL BACKGROUND

Tertiary	Bachelor of Science in Information Technology Davao Oriental State College of Science and Technology DOSCST Guang-guang, Brgy. Dahican City of Mati 2020
Secondary	Lawigan National High School Batiano, Brgy. Lawigan, City of Mati 2015
Elementary	Pedro Malintad Elementary School Batiano, Brgy. Lawigan, City of Mati 2011

## SKILLS AND INTEREST

- Experienced in Photoshop and Arduino Manipulation.
- Experienced in Network Configuration.
- Knowledgeable in installing any kind of Windows Operating System.