



Barangay Profiling System

Cavite State University – Bacoor Campus

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ABSTRACT

The profiling system that we will be creating will be used as a way to check and create records of the citizens living inside the specific barangay. The main purpose of the system is to know or verify if the person is currently living in that barangay; also, it will be accessible to all residents for easy access of their records. The information we will be gathering from the citizens will be the demographic information such as age, gender, civil status etc. our system will also include login to monitor who accesses the records.



CHAPTER 1

1.1 INTRODUCTION

Barangay as defined by Philippine Statistics Authority (PSA) is **the smallest political unit in the country**. Generally, one enumerator is assigned to enumerate one barangay. For enumeration purposes, a large barangay is usually divided into parts, and each part is called an enumeration area. Time has long been passed when people who are elected to be part of the barangay officials used to enumerate residents and get things together manually in their border. As the population rises, sometimes, things get out of hands if we only rely in manual process and rule over the barangay having naught knowledge about system software and technological ingenuity.

According to the International Journal of Advanced Trends in Computer Science and Engineering, the Barangay Profiling System with analytics **organizes, categorizes records and provides information of each resident and statistics according to gender and age bracket**. The system also generates barangay clearance of residents whenever they apply for it. This aims to facilitate barangay workers in maintaining and enlisting residents of the barangay for easier and more convenient access to their profile and records.

1.2 STATEMENT OF THE PROBLEM

The system aims to determine the effectiveness of barangay profiling to the organization of barangay records. **This study specifically aims to:**

1. Determine the efficiency of the barangay profiling system on organizing and categorizing of records and information from the residents
2. Compare the effectiveness in the organization of records and resident's information before and after using the system.

1.3 SIGNIFICANCE OF THE SYSTEM

The study will help barrio Molino II Bacoor establish a barangay profile system, notably in managing the transaction of resident data. A new technology that makes it easier to search through each citizen's files is the barangay profiling system.



The study will benefit the following:

To the Agency:

The study's findings would enable them to analyze data more effectively and efficiently, which would make their work easier.

To the Residents:

- Simple access to a copy of their files whenever they wish
- Reduce the time and effort required to fill out forms **To the Researcher:**
- Improve their ability to communicate with officials.
- They could determine how knowledgeable they were about information, technology analysis, and design.

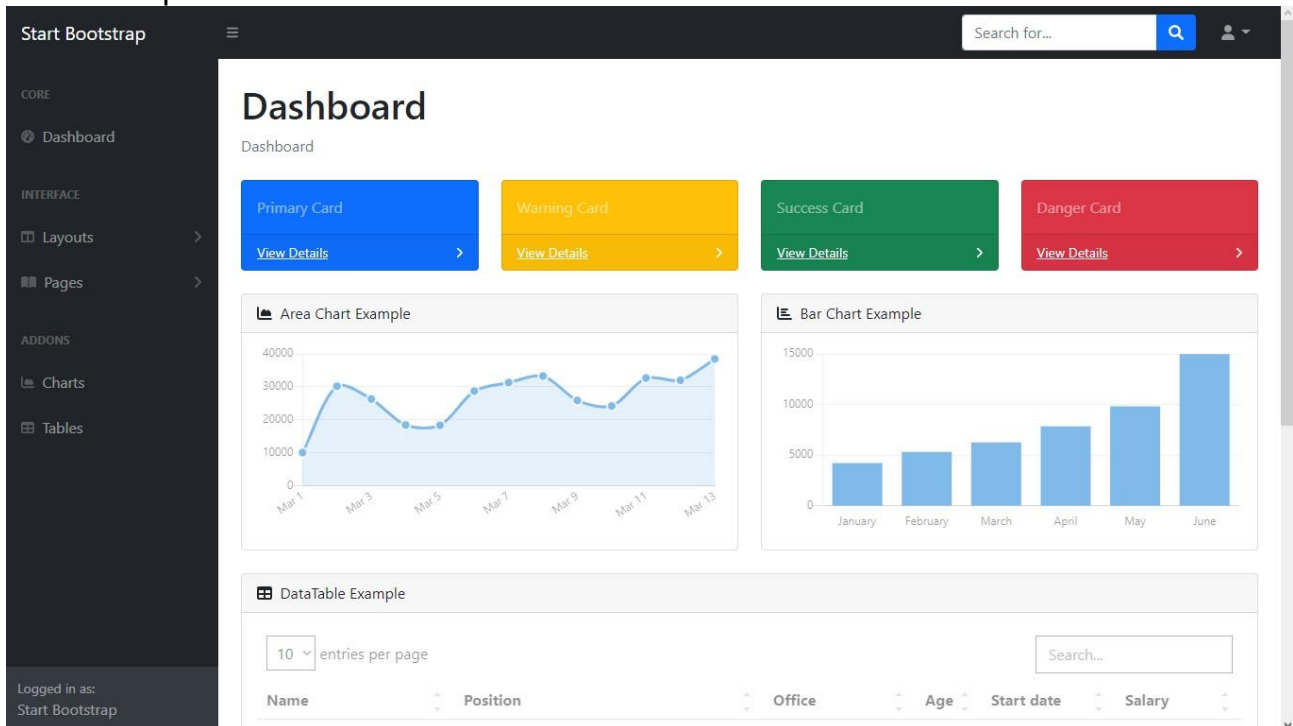
The profiling system that we will be creating will be used as a way to check and create records of the citizens living inside the specific barangay. The main purpose of the system is to know or verify if the person is currently living in that barangay; also, it will be accessible to all residents for easy access of their records. The information we will be gathering from the citizens will be the demographic information such as age, gender, civil status etc. our system will also include login to monitor who accesses the records.



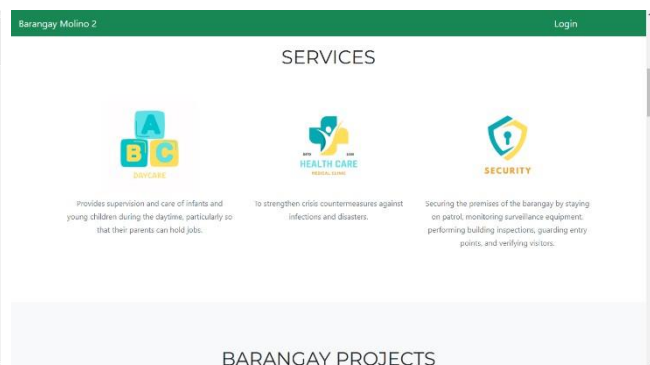
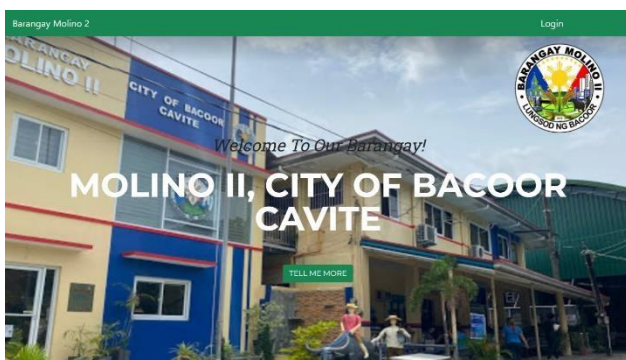
CHAPTER 2

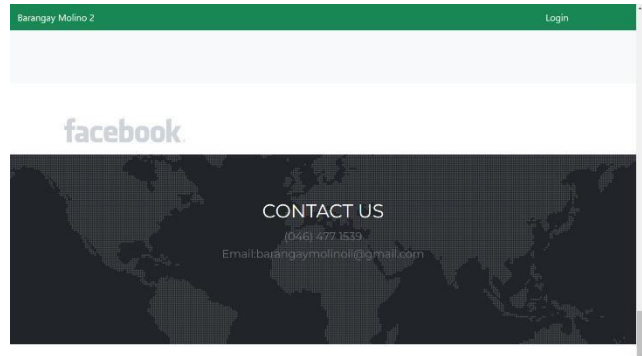
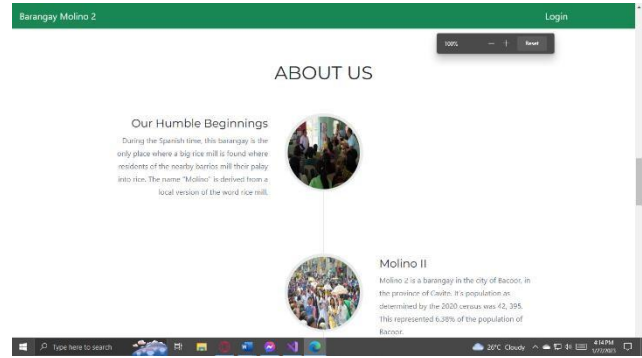
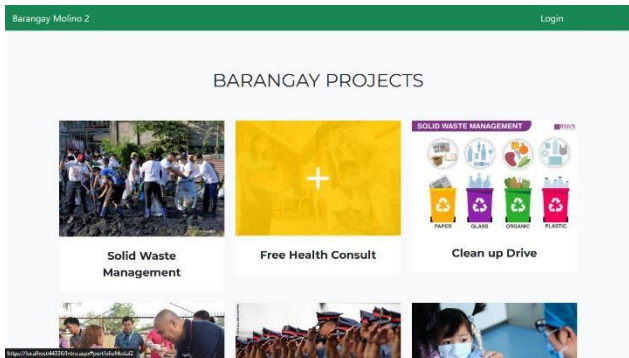
2.1 METHODOLOGY

The system was created with the use of bootstrap, specifically an admin bootstrap as shown below.

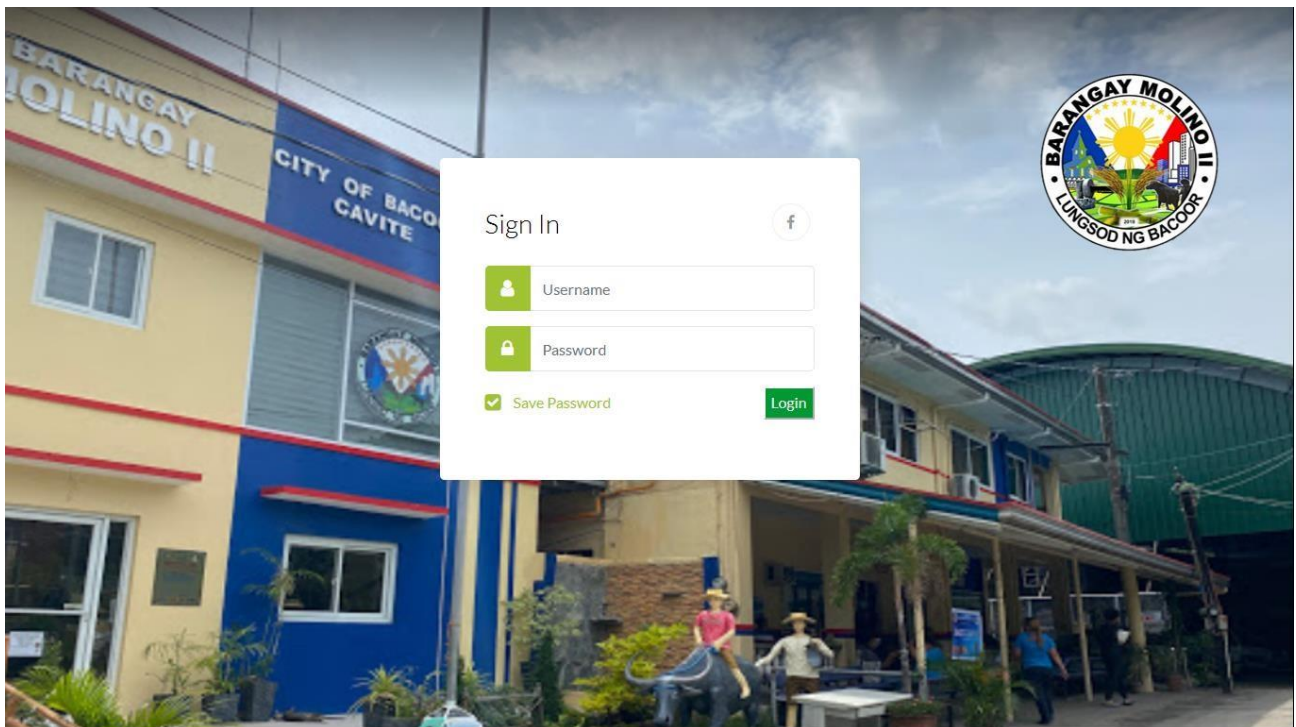


The programmers then decided to change and mix the colors that will fit the barangay we selected to use. The first webpage of the system is the Homepage. It contains information about the barangay like services it provided, the projects and programs that is currently running, the barangay's history and its current barangay official. This page also includes the email and contact number of the barangay.





The next is the login page, The login page is connected database where the username and password is stored. You can only gain a barangay account once you finish the barangay registration.





After logging in, you will then be redirected to the records section, but first, you will notice in your navigation bar that after you logged in, more options appeared for you to see. The records section is the first one, it contains some public information about the residents in the barangay like ID number, Name, Age and Gender. This is also the section where you can create and register your own barangay profile.

Identification #	Last Name	First Name	Middle Name	Age	Gender
2022001	Corpuz	Mikaela	Matei	35	Female
2022002	Labejo	Christian	Corpuz	26	Male
2022003	Gahera	Doreen	Decena	19	Male
2022004	Santos	Reign	Neymar	49	Female
2022005	Quizon	Carl	Ibarra	26	male
2022006	Garcia	Joy	Villanueva	37	Female
2022007	Cruz	Daniel	Marlinex	45	Female
2022008	Reyes	Meriam	Bartolomeo	35	Female
2022009	Mendoza	Jake	Xander	44	male
2022010	Sanchez	Clint	Cruz	50	male

Create A New Profile

Public Photos
Choose file N_en

Last Name First Name
Middle Name Religion
Age Date of Birth
Gender Date of Birth
Male/Female Single/Married
Street Address
ex. Building 8 unit 124 Gregorio Street
City Province or State
ex. Bacoar ex. 4102
N/A if none
Email Address

Republic of the Philippines
Barangay Molino 2

Instructions: Fill in completely and legibly the appropriate spaces and check appropriate choices in boxes.

☒ APPLICATION FOR REGISTRATION
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
No. of Barangay City/Municipality of Province of
I am hereby applying for: (check for appropriate boxes)

☐ APPLICATION FOR TRANSFER OF BARANGAY RECORD
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)

☐ APPLICATION FOR REACTIVATION OF BARANGAY RECORD
Reason for Reactivation:
1. Served by final judgment to suffer imprisonment for not less than one (1) year.
2. Served by final judgment to suffer imprisonment for not less than one (1) year.
3. Served by final judgment to suffer imprisonment for not less than one (1) year.
4. Served by final judgment to suffer imprisonment for not less than one (1) year.
5. Served by final judgment to suffer imprisonment for not less than one (1) year.
6. Served by final judgment to suffer imprisonment for not less than one (1) year.
7. Served by final judgment to suffer imprisonment for not less than one (1) year.

☐ APPLICATION FOR CHANGE OF NAME DUE TO MARRIAGE OR COURT ORDER/CORRECTION OF ENTRIES IN THE BARANGAY RECORD
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)
I am the applicant and existing resident (resident)

The next section is the resident section. In this section, you can search and pick the resident you want view and it will show you the full information about this resident. The administrator can also update the information of a resident if there is a need of change.



Barangay Molino 2

ResidentEventsRecordsLog

Logged in as: administrator

RESIDENT'S PORTFOLIO

Corpuz, M. M.

Labejo, C. C.

Aquino, K. O.

Santos, R. N.

Quizon, C. I.

Garcia, J. V.

Cruz, D. M.

Reyes, M. B.

Barangay Molino 2

ResidentsEventsRecordsLog

Logged in as: administrator

Profile Settings

Identification Number

2022011

Last Name

Santiago

First Name

Maine

Middle Name

Garcia

Religion

Roman Catholic

Age

44

Date of Birth

December 25, 1977

Gender

Female

Civil Status

Married

Street Address

Bldg. 19 Unit 220 Salvacion St.

City

Bacoor

Postal Code

4102

Province or State

Cavite

Email Address

The events section is where all the event and announcement will be posted. It contains a big calendar that can be clicked and there you will pick the exact date and time your event or announcement will start.



Barangay Molino 2		Residents Events Records Log				Logged in as: administrator	
< > Today		JANUARY 2023				Month Week Day	
SUN	MON	TUE	WED	THU	FRI	SAT	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
					5:01p Test Event 1		

Last but not the least is the Log History. Our webpage is dealing with private information of the residents. So, for the safety and security of the information of our customer, we decided to create this page which track down the users who logged in in our webpage. This table right here is connected. To our database in which every time someone has logged in, it automatically inserts the username that has been used as well as the time and date of it the username being logged in into our system.

Barangay Molino 2

Residents

Events

Records

Log

Logged in as: administrator

Username	Date	Time
admin	26/10/2022	11:49:41
Matthew	26/10/2022	11:58:20
Aubrey	26/10/2022	11:58:36
Noah	26/10/2022	12:02:08
Nairus	26/10/2022	12:04:54
admin	26/10/2022	12:10:43
Aubrey	26/10/2022	03:12:52
Aubrey	26/10/2022	03:16:30
Aubrey	26/10/2022	03:17:34
admin	26/10/2022	03:19:04
admin	26/10/2022	12:13:24
admin	26/10/2022	12:22:46
admin	26/10/2022	12:34:21
Matthew	26/10/2022	12:35:14
Matthew	26/10/2022	12:42:49
Jerald	26/10/2022	03:22:07
admin	26/10/2022	03:27:53
admin	26/10/2022	03:46:32
Matthew	26/10/2022	03:56:25
Matthew	26/10/2022	03:57:28
12345678910		



CHAPTER 3

3.1 SUMMARY

Through the implementation of the system, the researchers found that Barangay Profiling System of Barangay Molino II, Bacoor Cavite helps them to gain a more effective method in checking a specific information of their residents, as well as, complementary in keeping records and giving good service.

3.2 CONCLUSION

The researchers conclude that using the said study is more effective and efficient in recording the resident's profile and maintains residents' records as complete and up-to-date as possible, and is easily accessible for verification, monitoring and helps to visualize data and therefore it is not already a burden on the part of the officials in charge in updating the profiles of each resident and generates records of each resident.