



Chambers of the Burning Ashes System

Project Documentation Submitted to the Faculty of the School
of Computing and Information Technologies

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Introduction to Systems and Design for CS/IT M/S
MSYADD

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Executive Summary

Chambers of the Burning Ashes (CBAS) is a software solution that aims to replace the current document management system of the St Alphonsus Mary de Liguori Parish which is currently only done manually. Due to the current system, they encounter problems such as duplicated bookings due to human error, forgetting that certain columbaries are already booked prior, and loss of records due to natural disasters such as typhoons. As such, the primary objective of this project is to develop a web-based system using the Django Framework, Python, Tesseract, Nextcloud, and MySQL for the Parish. This is to improve the document management system and provide security for document records. The target audience for this project is the Parish officers and admins. The project will follow an Agile-Scrum development methodology, with iterative cycles of requirements gathering, design, development, and testing. The expected outcome for this undertaking is a working software solution integrated into the system of St Alphonsus Mary de Liguori Parish.

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Comments Matrix

Table 1: Comments Matrix

Sir Gonzalo Gumogda	Mrs. Rhea-Luz Valbuena	Sir Joegene Quesada
<ul style="list-style-type: none"> - Remove the part in ERD where the columbary records also holds the parish staff information 	<ul style="list-style-type: none"> - Objectives do not follow the SMART criteria. <p>Level 1 DFD:</p> <ul style="list-style-type: none"> - Process to customer needs to have a decision tree <p>Swimlanes:</p> <ul style="list-style-type: none"> - Needs to have identifiers <p>ERD:</p> <ul style="list-style-type: none"> - Needs clarification if one vault includes more urns - Data types must be appropriate - Parish Admin must be categorized instead - Columbarium table needs: <ul style="list-style-type: none"> o Cost o Location o Size - Customer INQUIRES columbarium - Columbarium required by MANY customers - Customer retrieves MANY records - Record retrieved by MANY customers 	<ul style="list-style-type: none"> - PK should just be an id and should not be user defined. - Partial payments one to many separate table - Beneficiaries separate table - Clarify how many urns are in one vault

I. Introduction

1.1 Project Context

St Alphonsus Mary de Liguori Parish is a Catholic church located in Humabon Place, barangay Magallanes, Makati, Philippines. They offer a variety of services such as funerals, weddings, and columbarium services. It was originated by the Roman Catholic Archdiocese of Manila and was established on August 2, 1967. The Roman Catholic Archdiocese of Manila is one of the oldest and most prominent Catholic jurisdictions in the Philippines. Established on February 6, 1579, by Pope Gregory XIII, it serves as the metropolitan see for the ecclesiastical province of Manila.

The church's establishment and relevance are still strong; however, a lot of its processes still use dated methods. With these methods and many customers, the process has room for human errors such as duplicated records, loss of records, wrong input information, miscommunication, and missing records. This leads to the use of modern methods such as the utilization of technology to automate their processes and aid them in their accommodation of the customers.

To address these issues, the study aims to design and implement a modern, user-friendly system to automate and streamline these processes. The developers will bridge the church's gap in modern technology knowledge by creating a system that simplifies operations for the benefit of both the church staff and its customers.

1.2 Statement of the Problem

- 1. Difficulty keeping track of available columbaries leading to a duplication of records, customer payment status, and contract validity.**
- 2. Outdated and inefficient retrieval of vault information.**
- 3. The parish lacks a facility to store customer and vault information**

1.3 Objectives

To answer the identified problems, the project's aim is to design a customized local web application. To be specific, this project aims to:

- 1. Develop a system that can accurately track each transaction, and the documents required to acquire an available columbarium**
- 2. Allow customers to securely retrieve their columbarium information.**
- 3. Provide an environment where customer data can be backed up digitally.**

1.4 Significance of the Project

The Chambers of the Burning Ashes System (CBAS) is significant for its potential to modernize and improve the outdated and inefficient system at St. Alphonsus Mary de Liguori Parish, thereby reducing human errors and improving operational efficiency. By transitioning from manual record-keeping to a centralized, secure, and automated document management system,

the church can ensure accurate tracking of columbaries, safeguard customer data, and provide better service to its community.

1. **St. Alphonsus Mary de Liguori Parish employees.** By implementing a document management system, employees will benefit from a streamlined workflow, reducing the time and effort required to manage columbarium records. This system will enable employees to accurately add, remove, and track columbaries, effectively eliminating issues like duplicate sales and lost records. The inclusion of automated data backup and encryption will ensure that records are secure and easily recoverable, mitigating risks associated with human error and data loss.
2. **Customers.** The implementation of a secure and automated document management system ensures that their data is handled with the utmost care, significantly reducing the risk of errors, loss, or miscommunication. In addition, the improved tracking of payment statuses will offer customers clear and accurate information about their transactions, fostering trust and satisfaction with the church's services.

1.5 Scope and Limitations

1.5.1 Scope

The research is limited to the creation and implementation of the new system. The system will be making use of MySQL as the main organization storage system and Nextcloud as the backup organization storage system. Focusing on cloud storage, it does not include services irrelevant to the system's design. The system will feature a user-friendly interface capable of catering to beginners in IT using the Django framework, an integrated cloud database backup storage through Nextcloud, an Optimal Character Recognition for data transferring, report generation for sales and availability of the columbaries, and analytics that utilizes machine learning. As the system will have analytics, it will also be making use of the relevant Python libraries for machine learning. Libraries like matplotlib will be heavily used for the analytics.

1.5.2 Limitations

As the system will make use of Django, it will not be using other frameworks such as Laravel and CodeIgniter. The system does not cover other areas and services of the Parish aside from those related to the columbarium services. Examples are the following: wedding services, funerary services, etc. Furthermore, the system will only be sought to improve on the current manual services and will not be in the online space.

II. Data Flow Diagram

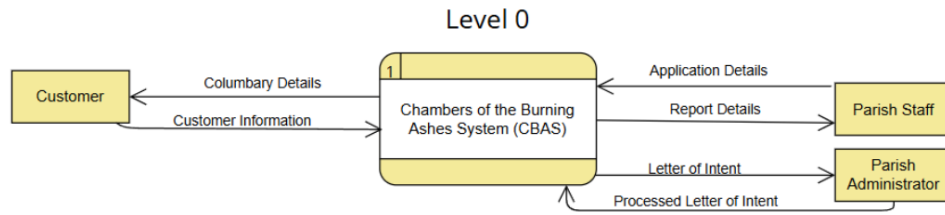


Figure 1: Level 0 Data Flow Diagram

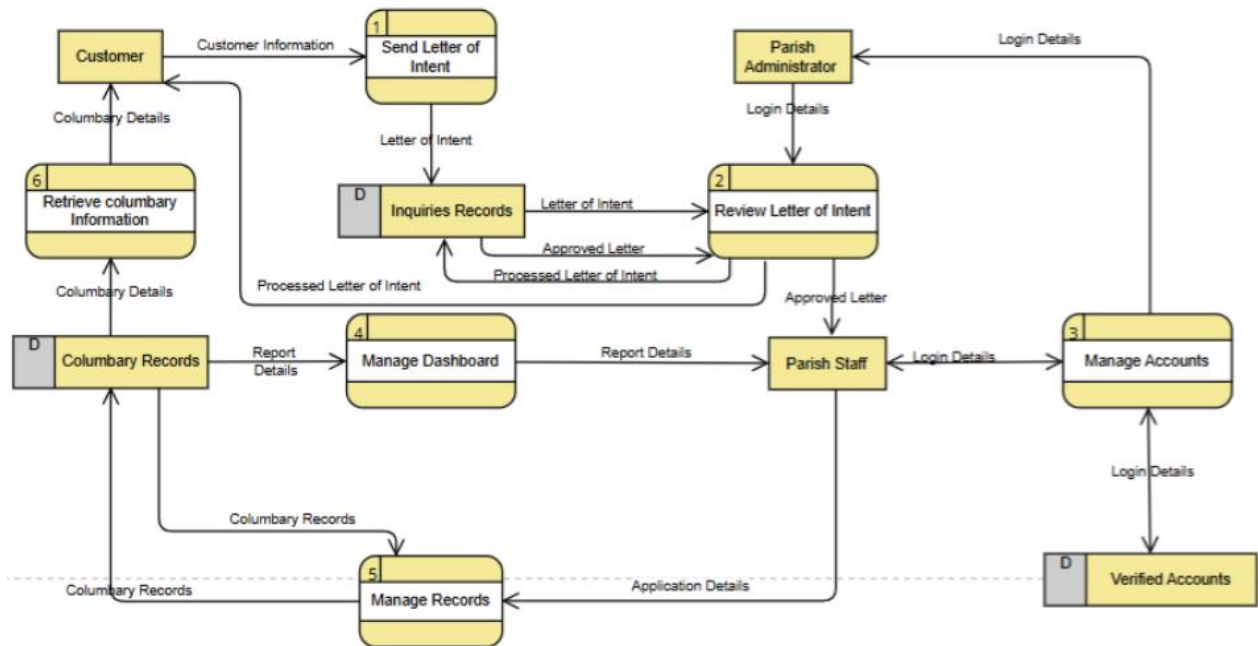


Figure 2: Level 1 Data Flow Diagram

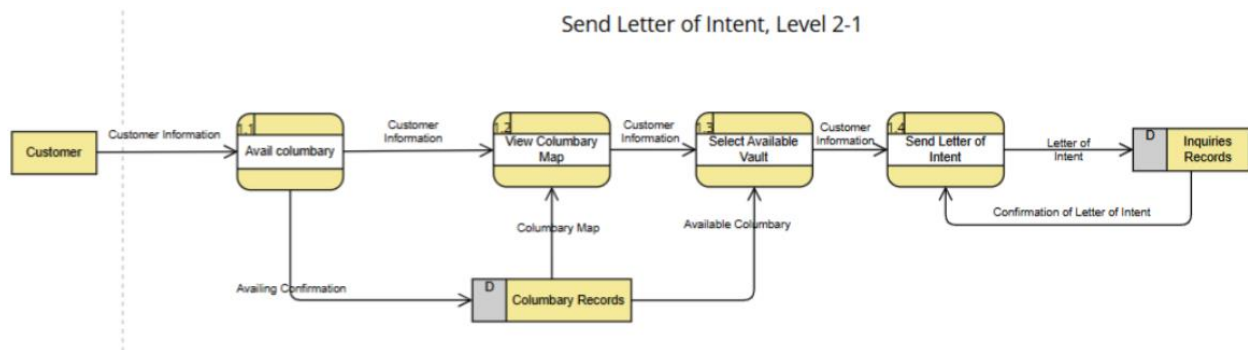


Figure 3: Level 2-1, Send Letter of Intent

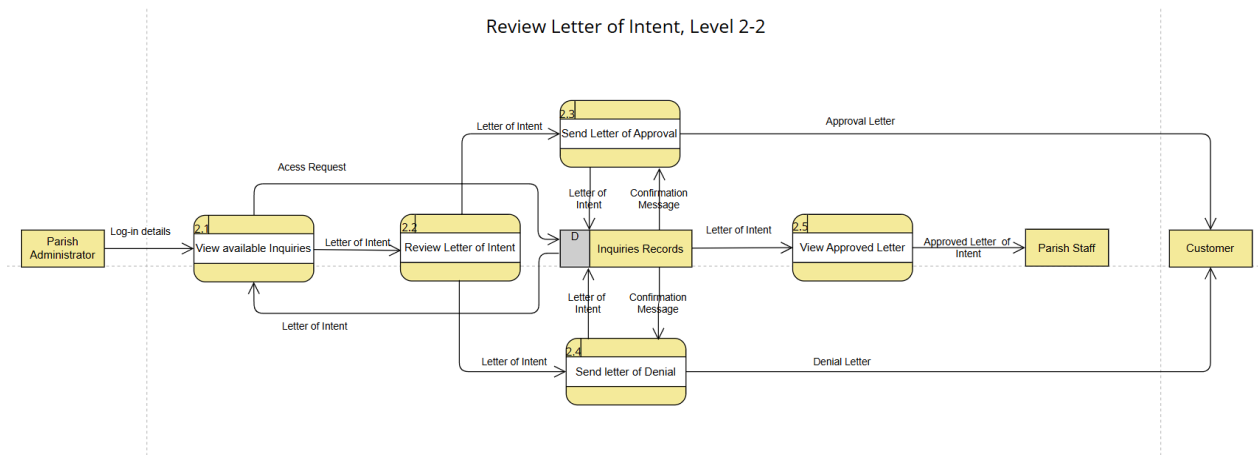


Figure 4: Level 2-2, Review Letter of Intent

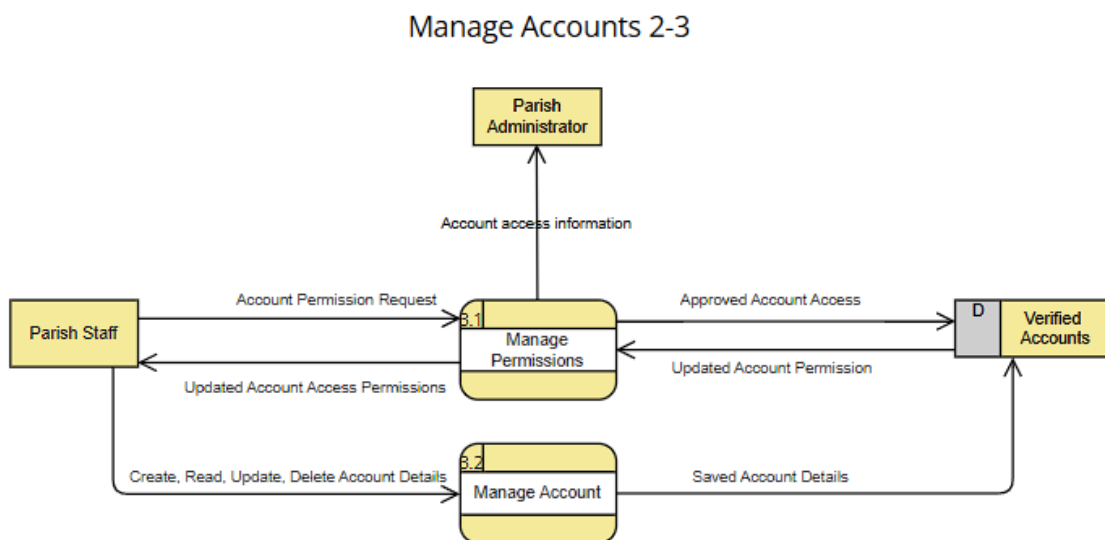


Figure 5: Level 2-3, Manage Accounts

Manage Dashboard, Level 2-4

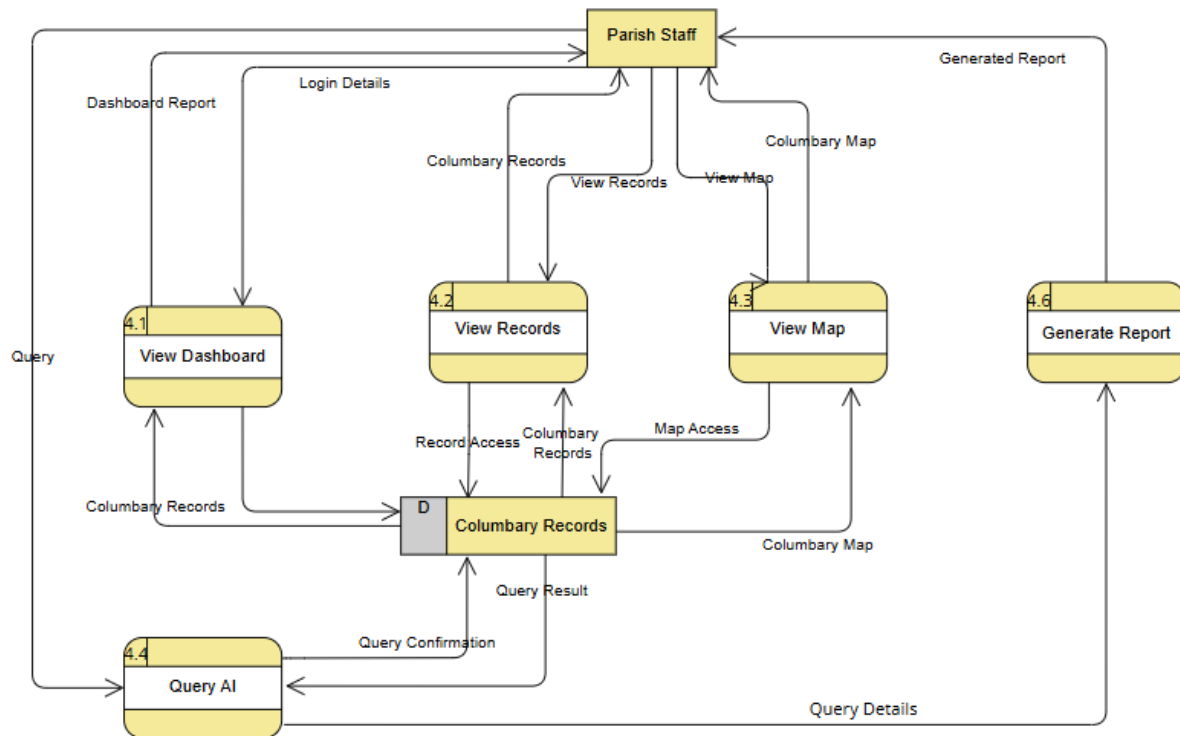


Figure 6: Level 2-4, Manage Dashboard

Manage Applications, Level 2-5

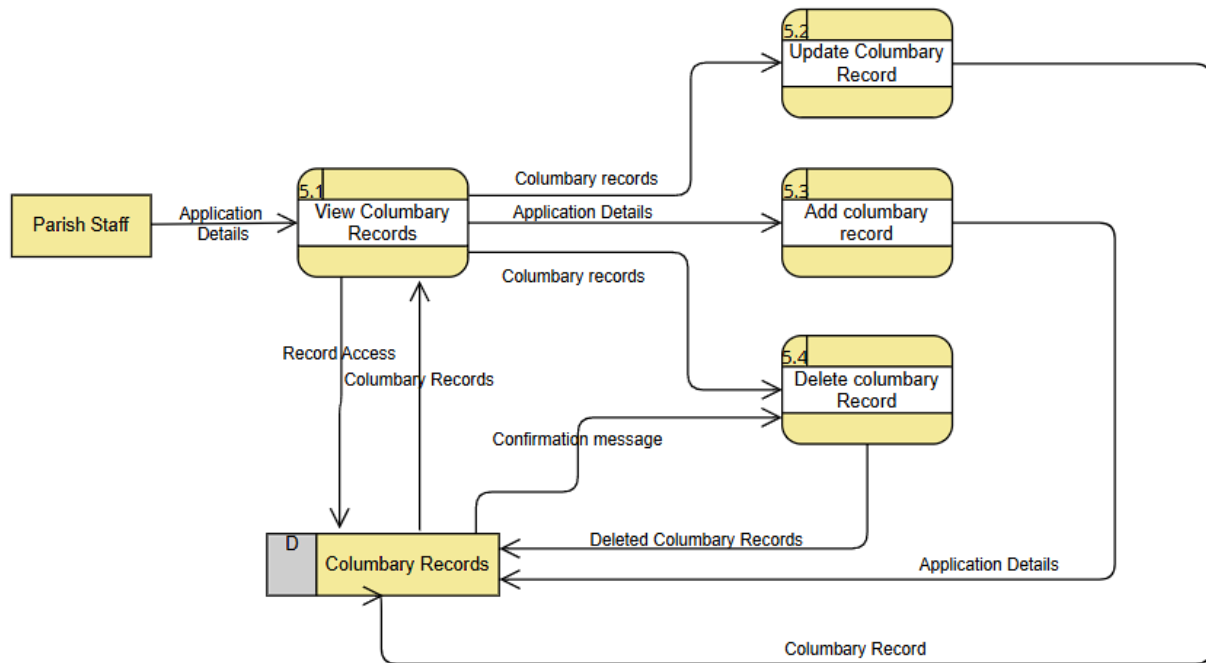


Figure 7: Level 2-5, Manage Applications

Retrieve Columbarry Information, Level 2-6

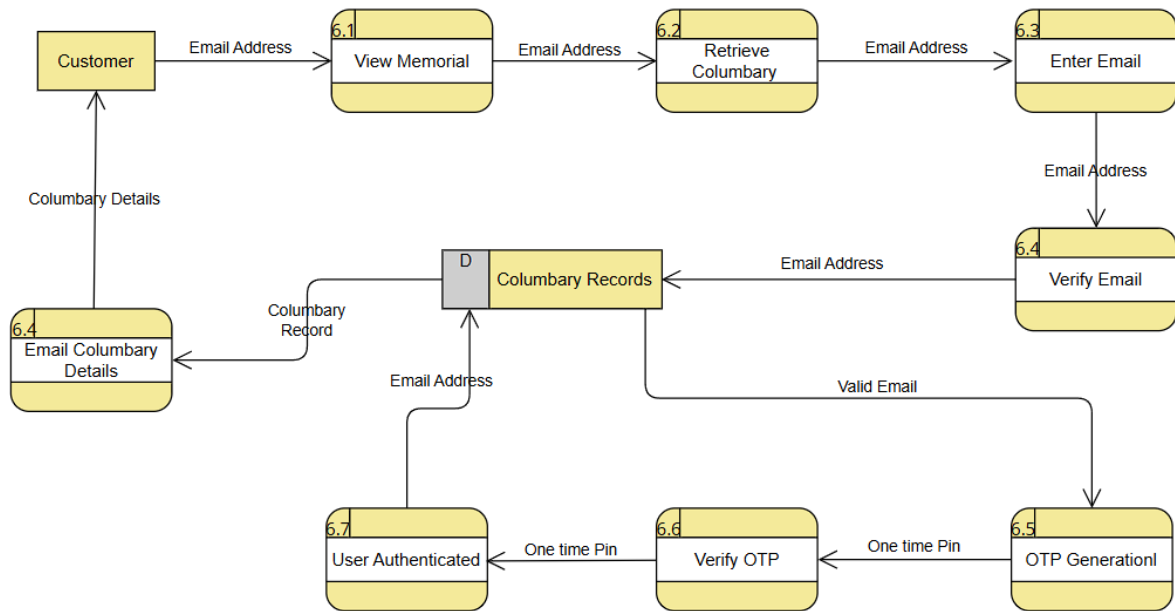


Figure 8: Level 2-6, Retrieve Columbarry Information

III. Use Case Diagram

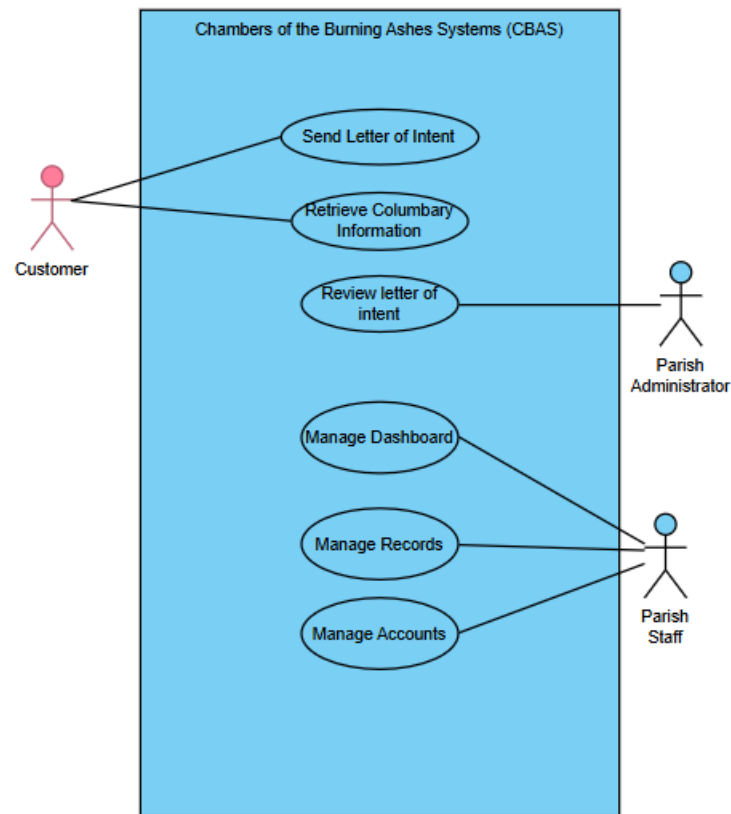


Figure 9: Use Case Diagram

3.1 Use Classes and Characteristics

Table 2: Roles & Description

Roles	Description
<i>Parish Office Staff</i>	<i>The main user of the new system that is being developed</i>
<i>Parish Administrator</i>	<i>The one who oversees the management of columbaries and check them sometimes.</i>
<i>Customer</i>	<i>The possible consumers of the columbarium services offered by the Parish</i>

3.2 Fully Dressed Use Cases

Table 3: Send Letter of Intent

Use Case Name	Send letter of intent
Use Case Number	UC-01
Actors	Customer, Parish Administrator
Description	This use case presents how the customer sends the letter of intent to the parish.
Pre-Conditions	<ul style="list-style-type: none"> • The columbary map and pricing information are up to date. • The parish CBA systems are operational and accessible. • Customer wants to avail a columbary.
Post Conditions	<ul style="list-style-type: none"> • The customer successfully views available columbaries and their prices. • A letter of intent with the customer's information is generated and sent to the parish administrator. • The parish administrator receives a notification of letter of intent in the CBA system from the customer. • The Parish administrator receives an email to notify t
Main Scenario	<ol style="list-style-type: none"> 1. Customer visits the system. 2. Customer Navigates to the Columbary section of the system. 3. Customer clicks "avail now" button. 4. Customer view available columbaries in the columbary map. 5. Customer chooses columbary location. 6. Customer views the pricing and sections of each columbary. 7. Customer chooses a columbary and clicks "Avail now". 8. Terms & conditions will appear before proceeding. 9. Customer reads the terms & conditions 10. Customer fills in customer information such as email, Cellphone number, Name, and address 11. Customer clicks on the "send" button to send a letter of intent to the Parish.

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Table 4: Retrieve Columbarry Information

Use Case Name	Retrieve Columbarry Information
Use Case Number	UC-02
Actors	Customer, Parish Staff
Description	This use case describes how the system retrieves information relevant to the customer.
Pre-Conditions	<ul style="list-style-type: none"> • The customer has previously applied for and purchased a columbarry and provided a phone number and email address during the application process. • The customer has access to the internet and a valid email account. • The CBA system website is operational, and the customer's columbarry information is stored and accessible within the system. • Customer receives and inputs the correct one-time pin.
Post Conditions	<ul style="list-style-type: none"> • The customer successfully retrieves their columbarry information via email, including any relevant documents. • The system logs the retrieval request and verification process for auditing purposes. • The system ensures that the customer's information is securely transmitted and accessed.
Main Scenario	<ol style="list-style-type: none"> 1. Customers navigates to the retrieve columbarry tab. 2. Customer clicks the retrieve information button. 3. Customer inputs their email address or phone number. 4. The system will generate an OTP and send it to the customer. 5. Customer receives their OTP. 6. Customer inputs their OTP code into the website.

	7. The customer receives an email containing minimal columbary information.
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Table 5: Review Letter of Intent

Use Case Name	Review letter of intent
Use Case Number	UC-03
Actors	Parish Administrator, Customer, Parish Staff
Description	This use case describes how the parish administrator reviews the letter of intent sent by the customer and decides either to approve or deny it.
Pre-Conditions	<ul style="list-style-type: none"> • The Parish Administrator logged in to the CBA system. • The Parish admin navigated to the inquiries tab. • A letter of intent has been sent by the customer.
Post Conditions	<ul style="list-style-type: none"> • The inquiry has been reviewed. • A decision has been made. • Customer Receives letter of approval/denial through email. • The approved letter of intent is sent to the Parish Staff.
Main Scenario	<ol style="list-style-type: none"> 1. The parish administrator navigates to the inquiries tab. 2. Parish administrator chooses a letter of intent 3. The parish administrator reviews the letter of intent. 4. The parish administrator approves the letter of intent. 5. The system sends a letter of approval to the customer's email. 6. The system notifies and sends the approved letter of intent to the Parish Staff.
Alternate Scenario	<ol style="list-style-type: none"> 1. The parish administrator navigates to the LOI (letter of intent) tab. 2. The parish administrator reviews the letter of intent.

	<ol style="list-style-type: none"> 3. The parish administrator denied the letter of intent. 4. The system sends a letter of denial to the customer's email.
--	---

Table 6: Manage Dashboard

Use Case Name	Manage Dashboard
Use Case Number	UC-04
Actors	Parish Staff
Description	This use case describes how the parish staff views necessary customer and columbary information and how they manage the CBA systems dashboard and AI assistant.
Pre-Conditions	<ul style="list-style-type: none"> • The parish staff is logged into the CBA system. • The CBA system is fully operational. • All records are viewable. • Columbary information is viewable. • CBA system AI assistant is functional.
Post Conditions	<ul style="list-style-type: none"> • PA
Main Scenario	<ol style="list-style-type: none"> 1. Parish Staff logs in to the system 2. Parish views the dashboard 3. Parish Staff views the columbary map 4. Parish Staff can view the available columbaries 5. Parish Staff navigates the mic icon and clicks on it. 6. AI assistant is now opened and ready for prompts 7. Parish staff inputs his prompt 8. AI assistant answers the query.

Table 7: Manage Application

Use Case Name	Manage Records
Use Case Number	UC-05 customer
Actors	Parish Staff

Description	This use case describes how the parish staff opens the CBA system to update, create and delete customer and columbary records.
Pre-Conditions	<ul style="list-style-type: none"> • The parish staff member has valid login credentials (username and password). • The CBA system is operational and accessible. • The parish staff's access permissions are properly configured in the system. • Parish staff is Logged-in in the system
Post Conditions	<ul style="list-style-type: none"> • The parish staff perform their duties, including managing customer records. • The Parish staff can add, edit and delete records. • Parish staff can scan new applications
Main Scenario	<ol style="list-style-type: none"> 1. The parish staff logs in to the system 2. The parish staff has three options add, edit and delete 3. The parish staff clicks on the "add" button to add new records. 4. The parish staff clicks on an existing columbary record and clicks on edit. 5. The Parish staff opens an existing columbary record and clicks on delete. 6. The parish staff clicks on the "Save button"

Table 8: Manage Accounts

Use Case Name	Manage Accounts
Use Case Number	UC-06
Actors	Parish Staff, Parish Administrator
Description	This use case describes how the parish staff manage parish accounts on the CBA system.
Pre-Conditions	<ul style="list-style-type: none"> • The parish staff is logged into the CBA system with the necessary permissions to manage accounts. • The parish staff has navigated to the main dashboard of the CBA system. • The parish admin can be granted permissions to the system

Post Conditions	<ul style="list-style-type: none"> The parish staff deletes, updates, manages permissions or creates an account for the CBA system.
Main Scenario	<ol style="list-style-type: none"> The parish staff navigates to the accounts tab. The parish Staff can then create, update, manage permissions, and delete accounts through the CBA System. Parish staff manage access permissions to the Parish Administrator.

IV. Test Cases

Test Case ID	TC_01	Test Case Description	Test if send letter of intent works		
Created By	Kyle	Reviewed By	Janson	Version	1.0
QA Tester's Log	Initial testing when creating customer inquiry section of website.				
Tester's Name	David	Date Tested	TENTATIVE	Test Case (Pass/Fail/Not	Not Executed
S #	Prerequisites:	S #	Test Data		
1	Access to Internet	1	ping -t website.com		
2	Access to the website	2	tracert website.com		
		3	nmap commands to check vulnerability		
Test Scenario	Verify whether the customer inquiry works or not.				
Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended	
1	Customer visits the system	Site should open	As Expected	Not Executed	
2	Customer Navigates to the	Columbary map should open	As Expected	Not Executed	
3	Customer clicks "avail now"	360 View of the surrounding	As Expected	Not Executed	
4	Customer view available	Terms and conditions should	As Expected	Not Executed	
5	Customer chooses	Inquiry form should appear	As Expected	Not Executed	
6	Customer views the pricing	AI generate the inquiry form	As Expected	Not Executed	
7	Customer chooses a	Inquiry form should appear	As Expected	Not Executed	
8	Terms & conditions will	AI generate the inquiry form	As Expected	Not Executed	
9	Customer reads the terms &	Inquiry form should appear	As Expected	Not Executed	
10	Customer fills in customer	AI generate the inquiry form	As Expected	Not Executed	

Figure 10: TC-01

Test Case ID	TC_02	Test Case Description	Retrieve columbary information			
Created By	David	Reviewed By	Kyle	Version	1.0	
QA Tester's Log						
Testing if costumer retrieval of information works						
Tester's Name	Jacob	Date Tested	TENTATIVE	Test Case (Pass/Fail/Not	Not Executed	
S #	Prerequisites:		S #	Test Data		
1	The customer has previously registered and		1	Registered email address of the customer. (dummy)		
2	The CBAS system is online and operational.		2	Access to the customer's email inbox.		
3	The customer has access to the registered		3	Internet access to visit the CBAS website.		
4	The columbary information is stored in the		4	Columbary ID or identifier stored in the system.		
Test Scenario						
Retrieve Columbary Information						
Step #	Step Details	Expected Results	Actual Results		Pass / Fail / Not executed / Suspended	
1	Customers navigates to the	The "Retrieve Columbary"	As Expected		Not Executed	
2	Customer clicks the retrieve	The system should send a	As Expected		Not Executed	
3	Customer inputs their email	The system should confirm	As Expected		Not Executed	
4	The system will generate an	The system successfully	As Expected		Not Executed	
5	Customer inputs their OTP	The Customer verifies the	As Expected		Not Executed	
6	The customer receives an	System sends email to the	As Expected		Not Executed	

Figure 10: TC-02

Test Case ID	TC_03	Test Case Description	Review Letter of intent			
Created By	David	Reviewed By	Kyle	Version	1.0	
QA Tester's Log	Initial testing columbary map of the website works					
Tester's Name	Jacob	Date Tested	TENTATIVE		Test Case (Pass/Fail/Not	Not Executed
S #	Prerequisites:		S #	Test Data		
1	Parish access the CBAS		1	Access to the CBAS system.		
2	Inquiries records are available		2	Access to the CBAS website		
3	The website is functional.		3	URL to the CBAS homepage.		
Test Scenario	Viewing Columbary Map					
Step #	Step Details	Expected Results	Actual Results		Pass / Fail / Not executed / Suspended	
1	The parish administrator	Homepage loads	As Expected		Not Executed	
2	Parish administrator	The inquiry tab will execute	As Expected		Not Executed	
3	The parish administrator	The Parish successfully	As Expected		Not Executed	
4	The parish administrator	Sends letter of intent	As Expected		Not Executed	
5	The system sends a letter of	Customer recevies email	As Expected		Not Executed	
6	5. The system sends a letter	Parish staff recevies the	As Expected		Not Executed	

Figure 11: TC-03

	TC_04	Test Case Description	Manage Dashboard					
	Janson	Reviewed By	Jacob		Version		1.0	
	Testing when dashboard works or not.							
	David	Date Tested	TENTATIVE		Test Case (Pass/Fail/Not		Not Executed	
Prerequisites:			S #	Test Data				
Access to Internet			1	username of parish staff				
Access to the website			2	password of parish staff				
Must be parish staff			3	ping website				
Parish staff logged in the system			4					
CBA System is operational and accessible.			5					
Verify if document validation for columbary purchase works								
Step Details		Expected Results	Actual Results			Pass / Fail / Not executed / Suspended		
Parish Staff logs in to the		Successfully logs in	As Expected			Not Executed		
Parish views the dashboard		Successfully views the	As Expected			Not Executed		
Parish Staff views the		System provides the Parish	As Expected			Not Executed		
Parish Staff can view the		In the map the Parish staff	As Expected			Not Executed		
Parish Staff navigates the		AI prompt is provided	As Expected			Not Executed		
AI assistant is now opened		AI assistant listens to	As Expected			Not Executed		
Parish staff inputs his		AI assistant recognize the	As Expected			Not Executed		
AI assistant answers the		AI assistant generates the	As Expected			Not Executed		

Figure 12: TC-04

Test Case ID	TC_05	Test Case Description	Manage Application		
Created By	Janson	Reviewed By	Jacob	Version	1.0
QA Tester's Log	Testing wether the staff could edit/delete customer records				
Tester's Name	David	Date Tested	TENTATIVE	Test Case (Pass/Fail/Not	Not Executed
S #	Prerequisites:		S #	Test Data	
1	Access to Internet		1	username of parish staff	
2	Access to the website		2	password of parish staff	
3	Must be parish staff		3	Customer data	
4	Parish staff logged in the system				
5	CBAS is operational				
Test Scenario	Verify if document validation for columbary purchase works				
Step #	Step Details		Expected Results		Actual Results
1	The parish staff logs in to the		homepage should open		As Expected
2	The parish staff navigates to		records page should open		As Expected
3	The parish staff has three		records page should open		As Expected
4	The parish		customer data should be		As Expected
5	The parish		homepage should open		As Expected
6	The Parish		records page should open		As Expected

Figure 13: TC-05

Test Case ID	TC_06	Test Case Description	Testing Account Management		
Created By	Jacob	Reviewed By	David	Version	1.0
QA Tester's Log	Initial testing when creating customer inquiry section of website.				
Tester's Name	Kyle	Date Tested	TENTATIVE	Test Case (Pass/Fail/Not	Not Executed
S #	Prerequisites:		S #	Test Data	
1	Access to Internet		1	username of parish staff	
2	Access to the website		2	password of parish staff	
3	Customer completes necessary steps		3	Customer documents	
4	Parish Staff is logged in the system				
Test Scenario	Verify if document validation for columbary purchase works				
Step #	Step Details	Expected Results	Actual Results		Pass / Fail / Not executed / Suspended
1	Input login information	CBAS homepage should	As Expected		Not Executed
2	Navigate to manage	Manage Accountns page	As Expected		Not Executed
3	The parish Staff can then	Can manage accounts	As Expected		Not Executed

Figure 14: TC-06

V. Activity Diagrams

UC-01 Send Letter of Intent

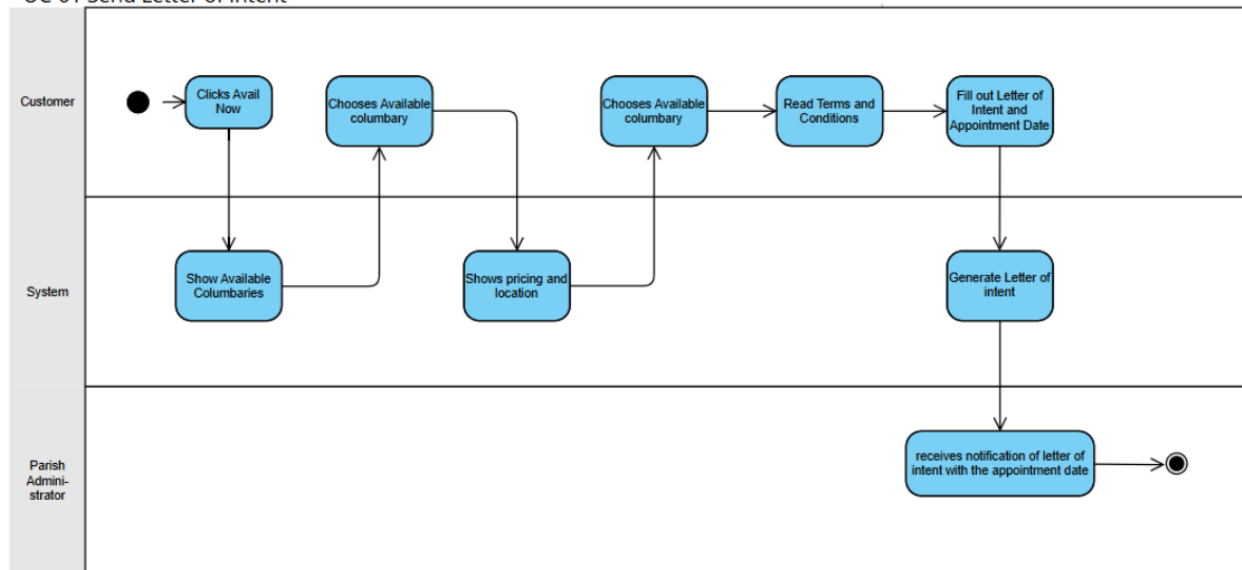


Figure 15: UC-01, Send Letter of Intent

UC-02 Retrieve Columbar Information

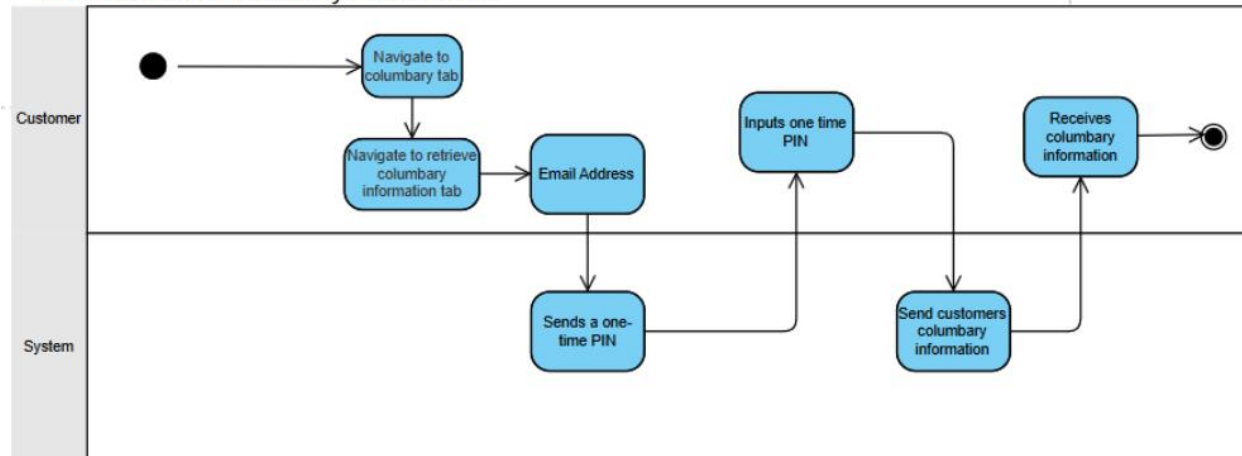


Figure 16: UC-02, Retrieve Columbar Information

UC-03 Review Letter of Intent

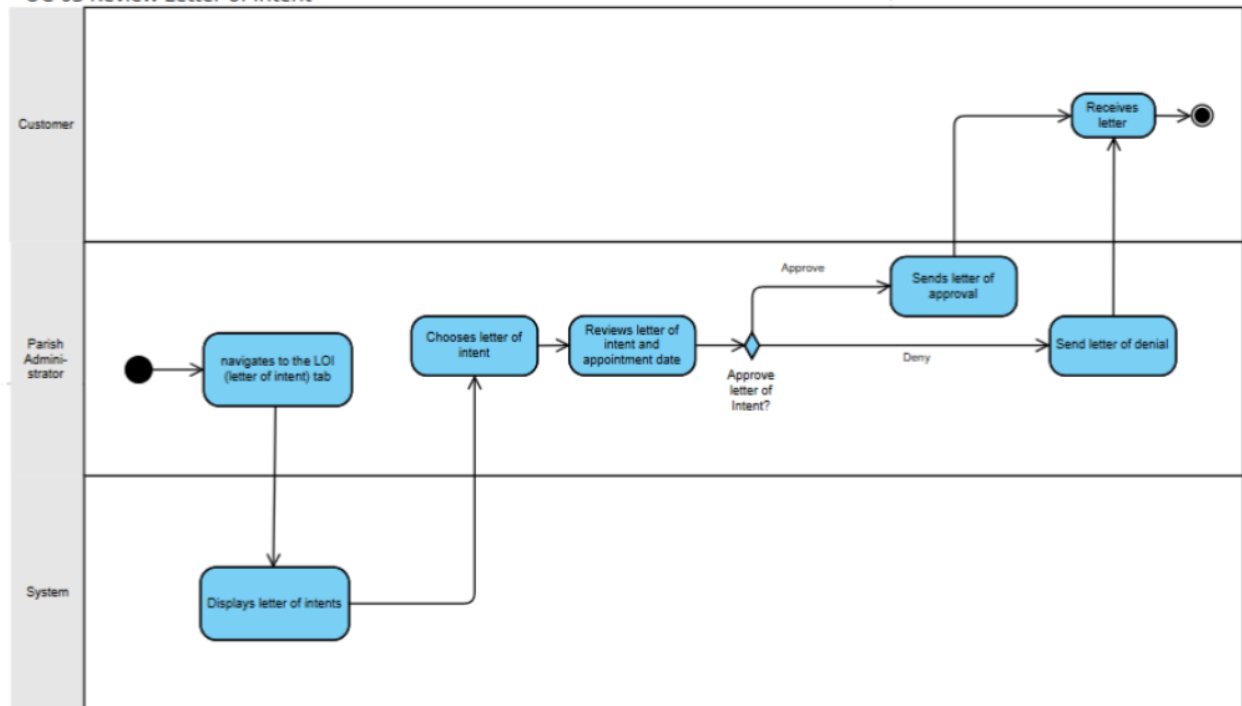


Figure 17: UC-03, Review Letter of Intent

UC-04 Manage Dashboard

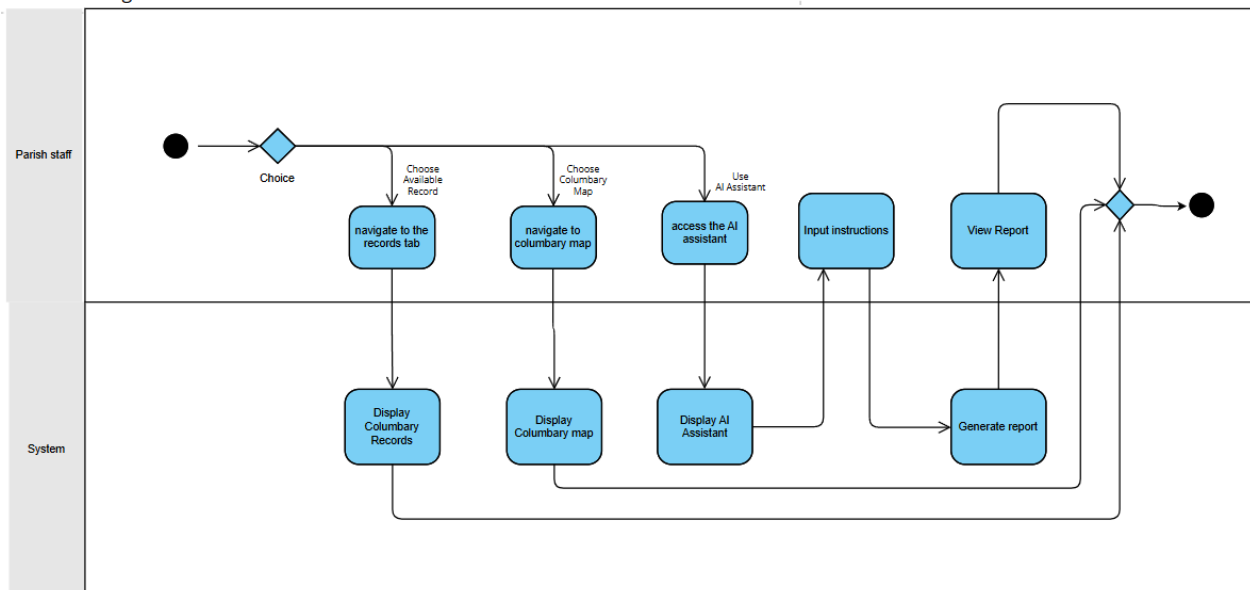


Figure 18: UC-04, Manage Dashboard

UC-05 Manage Records

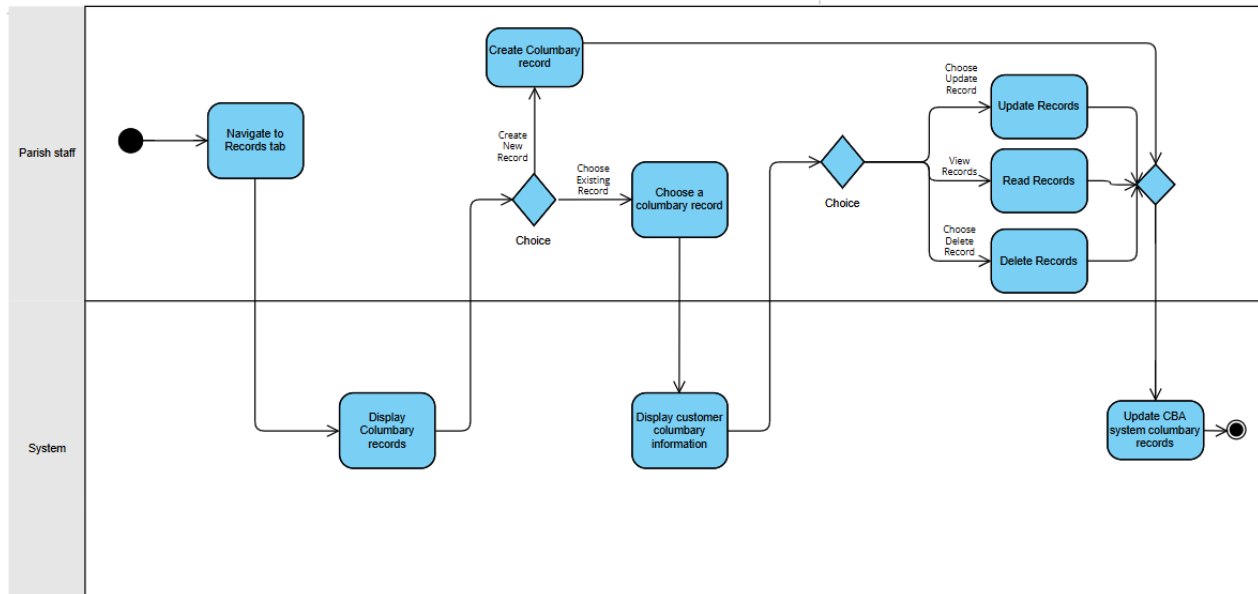


Figure 19: UC-05, Manage Records

UC-06 Manage Accounts

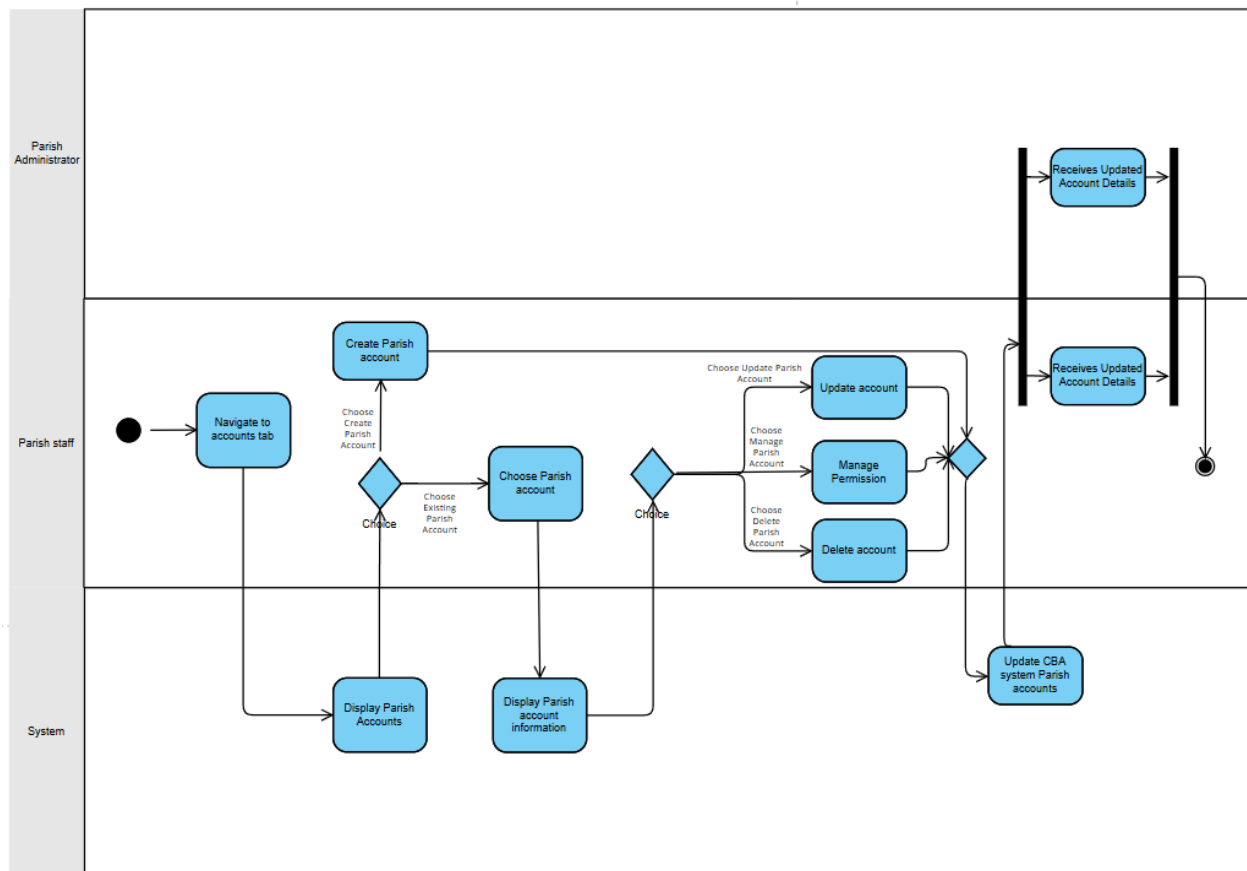


Figure 20: UC-06 Manage Accounts

VI. Database Design (Entity Relationship Diagram)

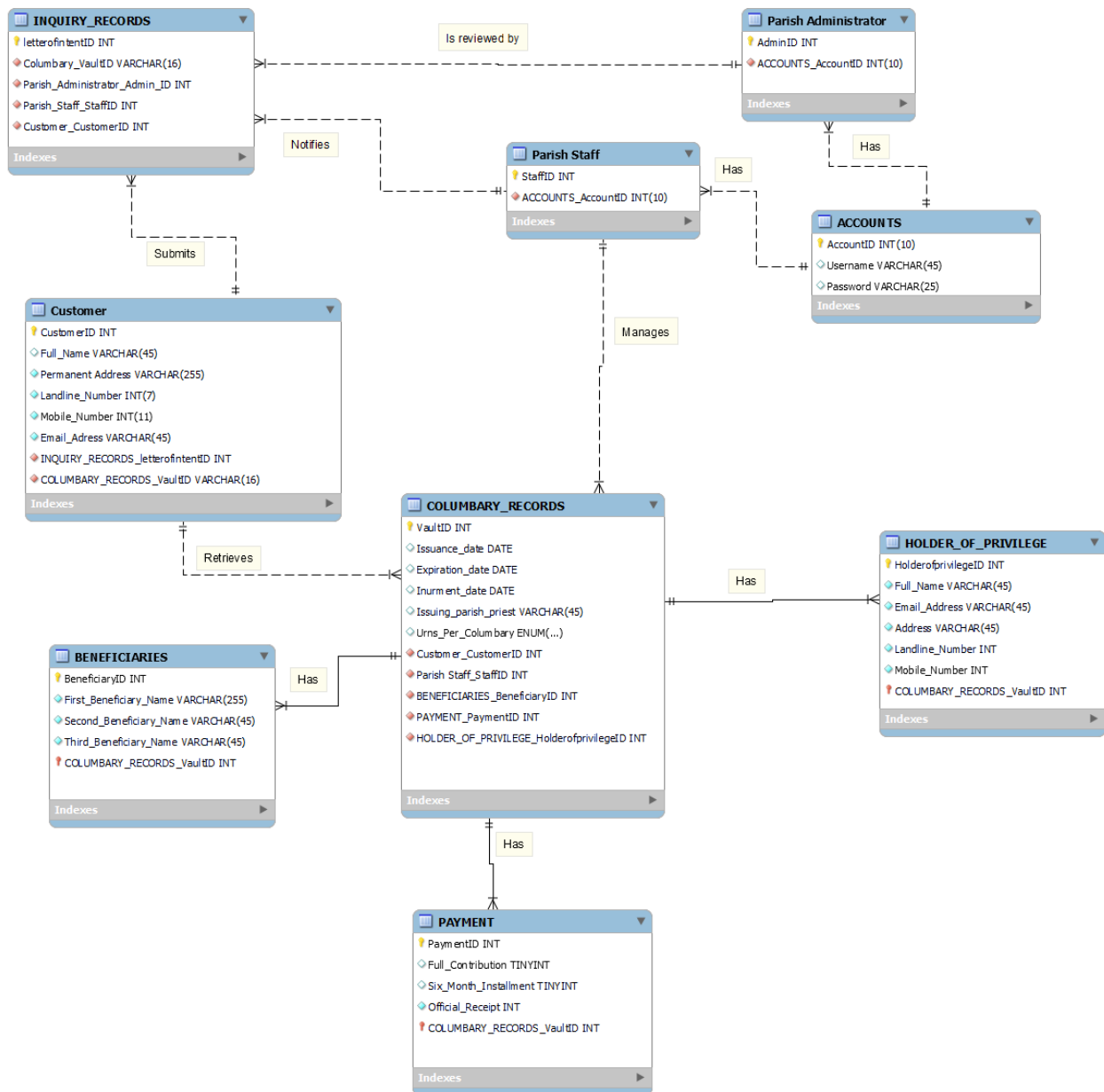


Figure 21: Entity Relationship Diagram

Table 9: Data Dictionary

TABLE NAME	ATTRIBUTE NAME	TYPE	PK OR FK	FK REFERENCED TABLE
Inquiry Records	Letter_Of_IntentID Columbary_VaultID Parish_Administrator_AdminID Parish_Staff_StaffID Customer_CustomerID	INT VARCHAR INT INT INT	PK FK FK FK	Columbary_Records Parish_Administrator Parish_Staff Customer
Customer	CustomerID Full_Name Permanent_Address Landline_Number Mobile_Number Email_Address Inquiry_Records_Letter_of_IntentID Columbary_Records_VaultID	INT VARCHAR INT INT VARCHAR VARCHAR INT INT	PK FK FK	 Inquiry_Records Columbary_Records
COLUMBARY_RECORDS	VaultID Issuance_Date Expiration_Date Inurnment_Date Issuing_parish_priest Urns_Per_Columbary Customer_CustomerID Parish_Staff_StaffID BENEFICIARIES_BeneficiaryID PAYMENT_PaymentID HOLDER_OF_PRIVILEGE_HolderOfPrivilegeID	VARCHAR DATE DATE DATE VARCHAR ENUM INT INT INT INT INT	PK FK FK FK FK FK	 Customer Parish_Staff BENEFICIARIES PAYMENT HOLDER_OF_PRIVILEGE
ACCOUNTS	AccountID Username Password	INT VARCHAR VARCHAR	PK	
PARISH_STAFF	StaffID Accounts_AccountID	INT INT	PK FK	ACCOUNTS
PARISH_ADMINISTRATOR	AdminID Accounts_AccountID	INT INT	PK FK	ACCOUNTS
HOLDER_OF_PRIVILEGE	HolderOfPrivilegeID Full_Name Email_Address Address Landline_Number	INT VARCHAR VARCHAR VARCHAR INT	PK	

	Mobile_Number COLUMBARY_RECORDS_VaultID	INT INT	FK	COLUMBARY_RECORDS
BENEFICIARIES	BeneficiaryID First_Beneficiary_Name Second_Beneficiary_Name Third_Beneficiary_Name COLUMBARY_RECORDS_VaultID	INT VARCHAR VARCHAR VARCHAR INT	PK FK	COLUMBARY_RECORDS
PAYMENT	PaymentID Full_Contribution Six_Month_Installment Official_Receipt COLUMBARY_RECORDS_VaultID	INT TINYINT TINYINT INT INT	PK FK	COLUMBARY_RECORDS

VII. Prototype

7.1 High Fidelity Prototype

The following high-fidelity prototype, developed by the proponents of CBAS, illustrates the fundamental design for authentication, the dashboard, and the user interface for customer records and available columbaries.



Figure 22: Authentication Page



Figure 23: Login Page



Figure 24: Home Page

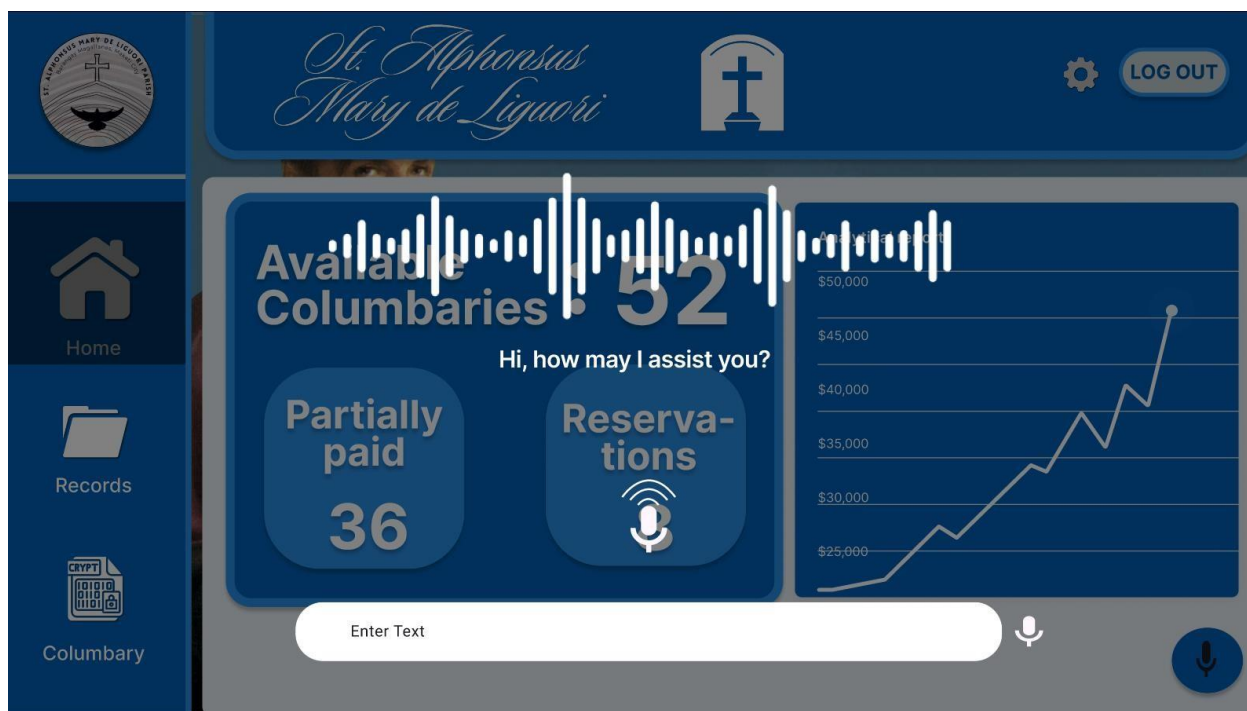


Figure 25: Home Page (2)

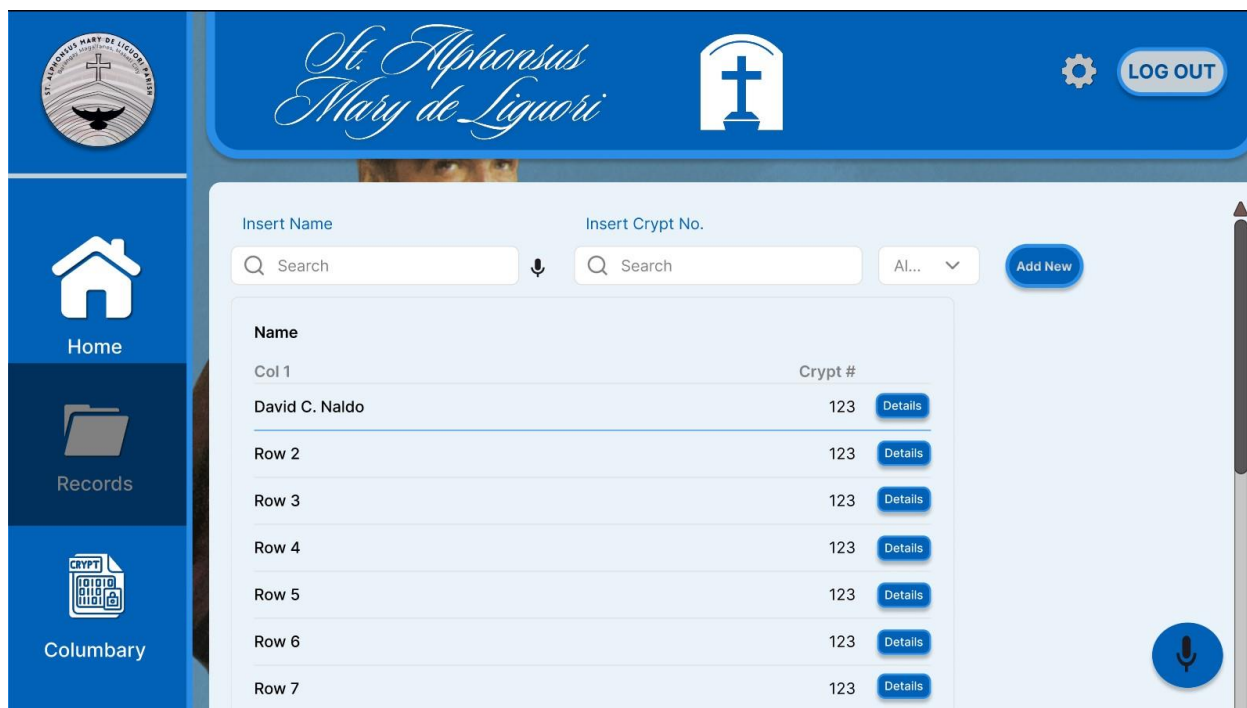


Figure 26: Record Page



Figure 27: View Details



Figure 28: Available Columbaries



Figure 29: Columbary Page Map

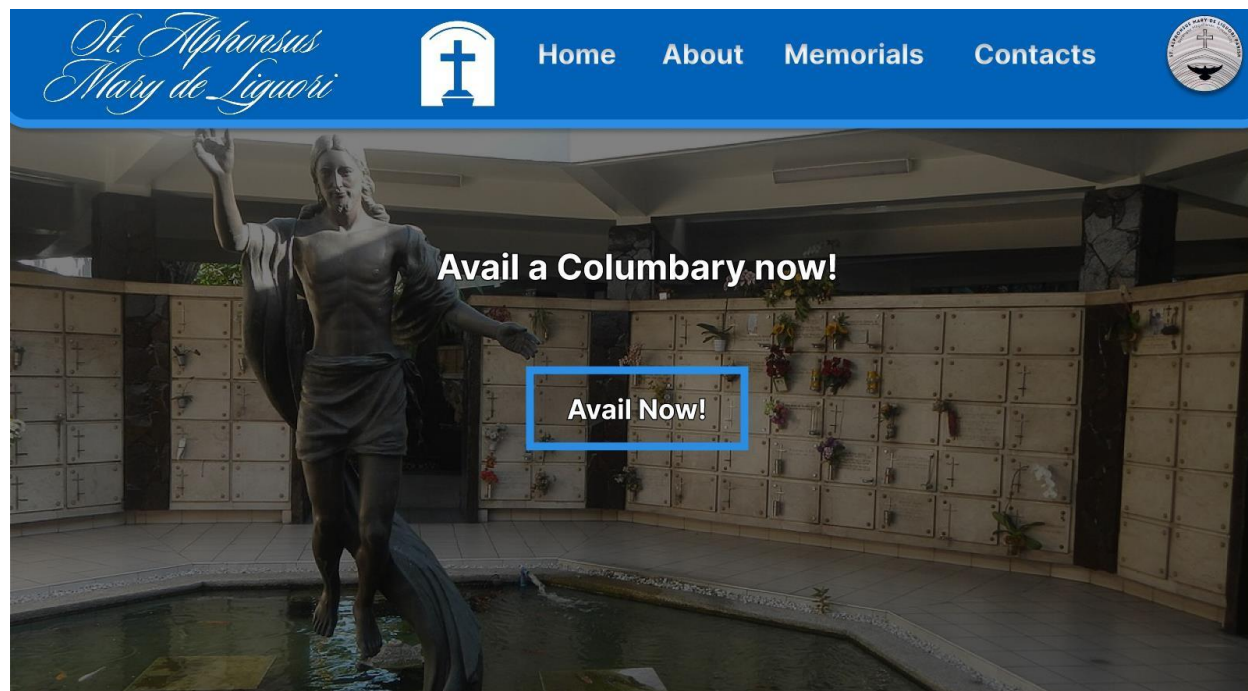


Figure 30: Customer Portal

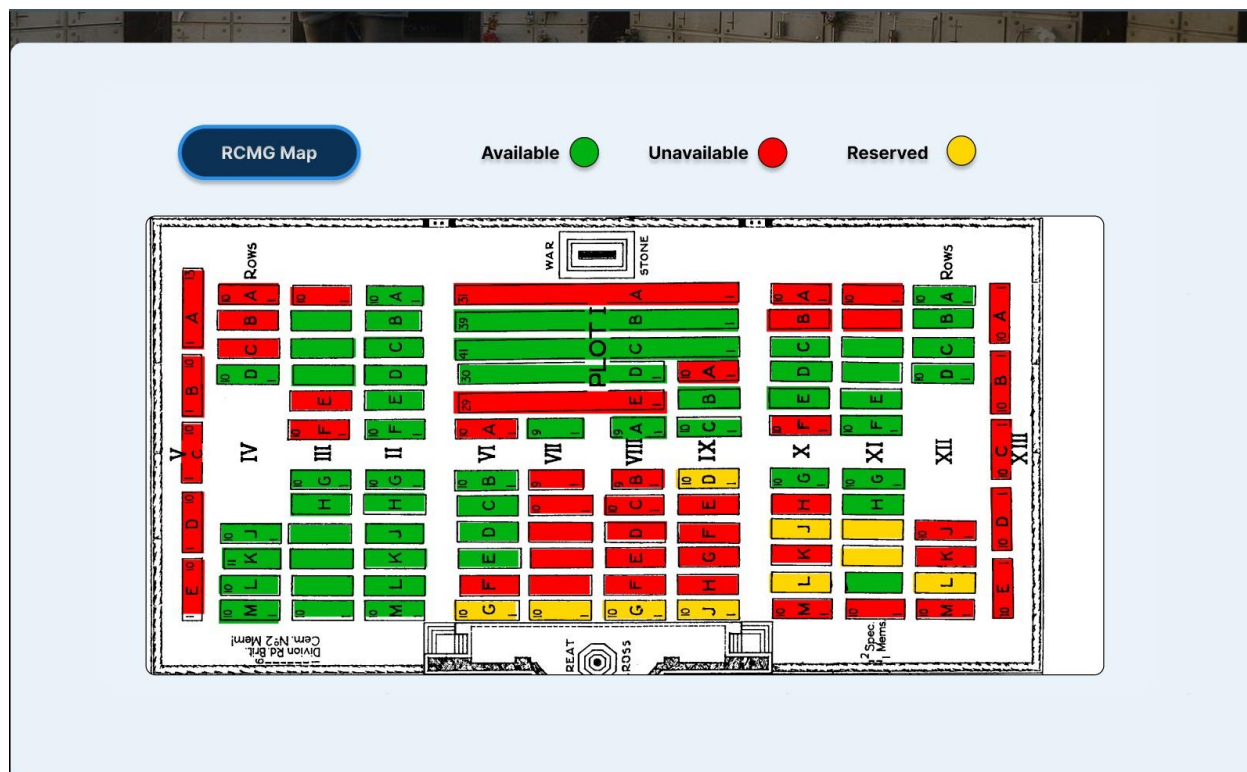


Figure 31: RCMG MAP

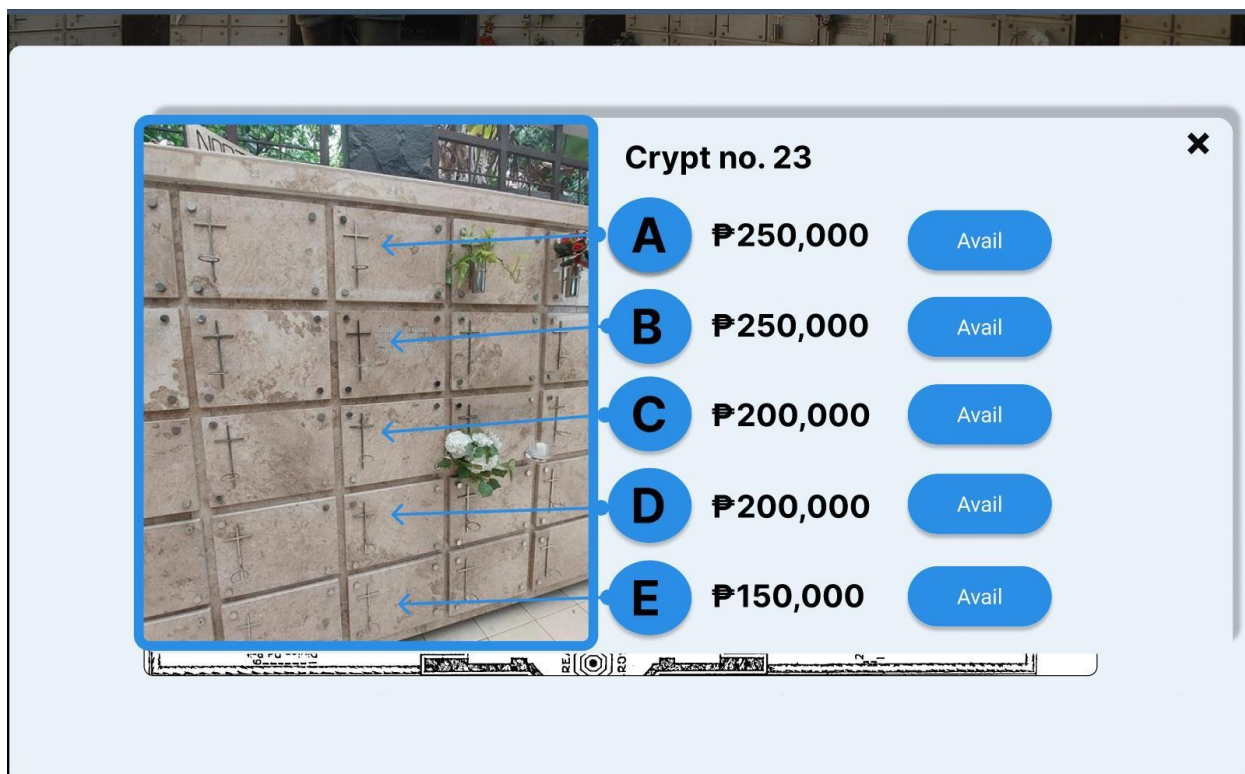
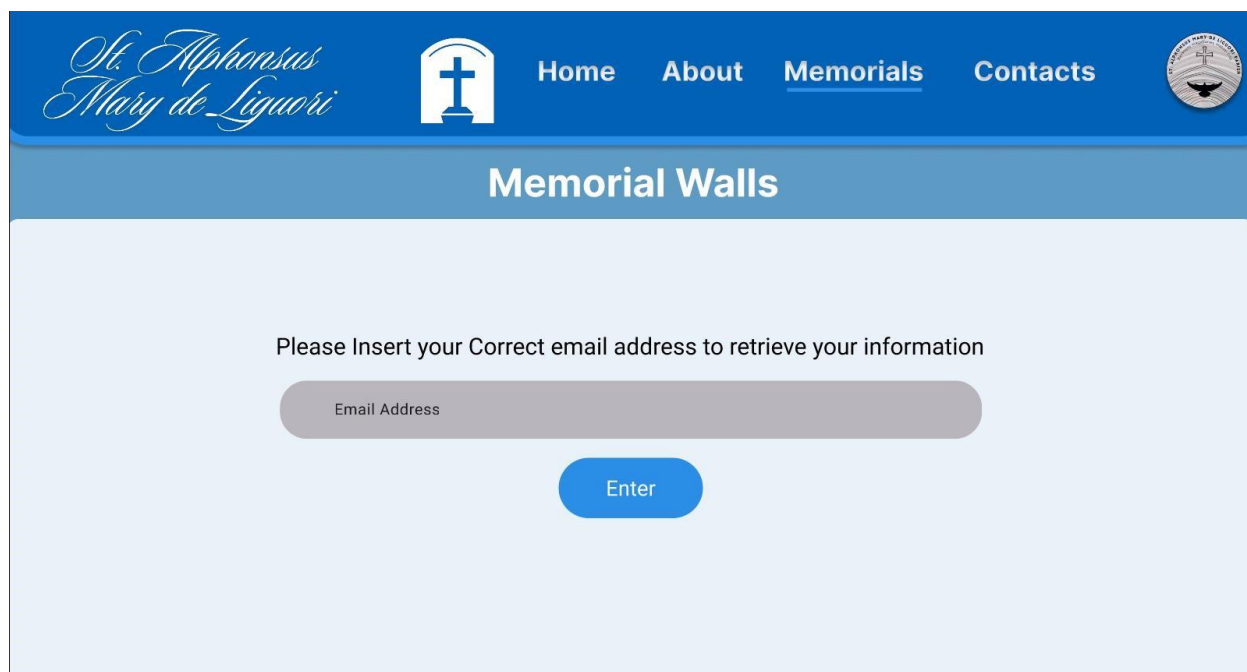


Figure 32: Avail Columbarry

The screenshot shows a web application interface for sending a letter of intent. It features a form with four input fields and a submit button. The fields are labeled "First Name", "Last Name", "Email Address", and "Mobile Number". The submit button is labeled "Send Letter of Intent".

Figure 333: Send Letter of Intent



St. Alphonsus Mary de Liguori

Home About Memorials Contacts

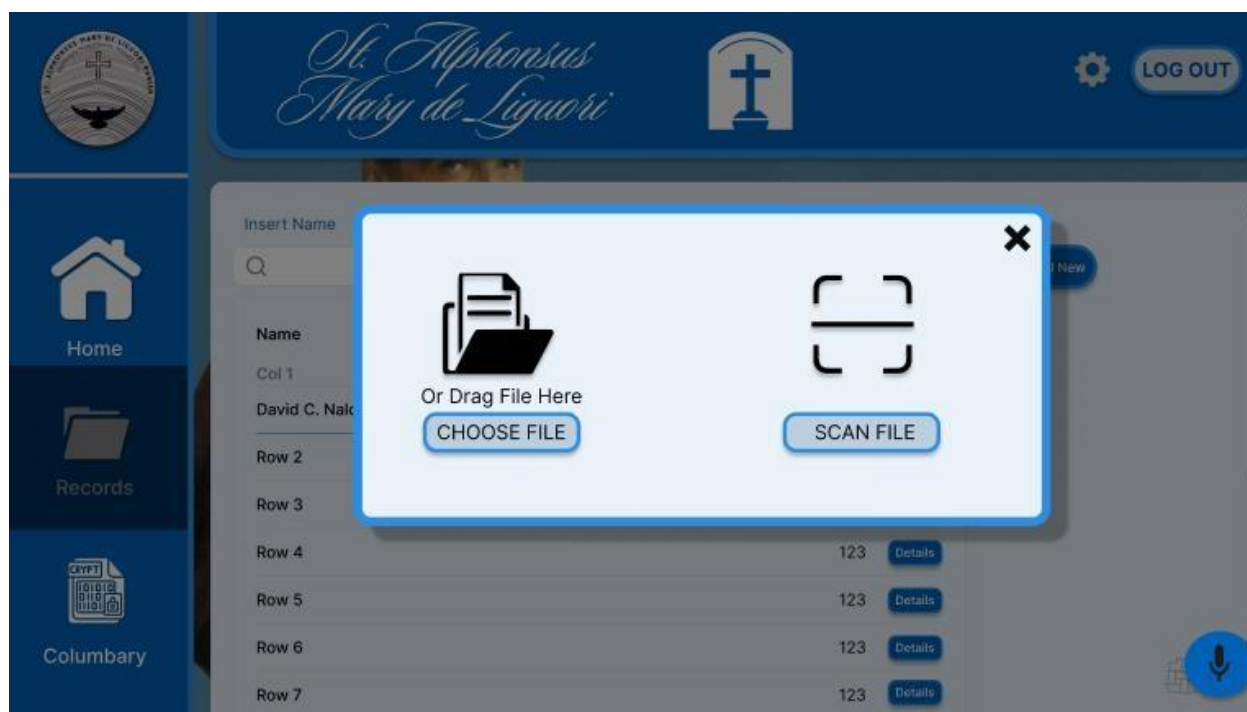
Memorial Walls

Please Insert your Correct email address to retrieve your information

Email Address

Enter

Figure 34: Retrieve Columbary



St. Alphonsus Mary de Liguori

LOG OUT

Home

Records

Columbary

Insert Name

Q

Name

Col 1

David C. Nalc

Row 2

Row 3

Row 4

Row 5

Row 6

Row 7

123

123

123

123

Details

Details

Details

Details

Or Drag File Here

CHOOSE FILE

SCAN FILE

New

Figure 35: Send Letter of Intent - Add New Records

7.2 Technology Stack

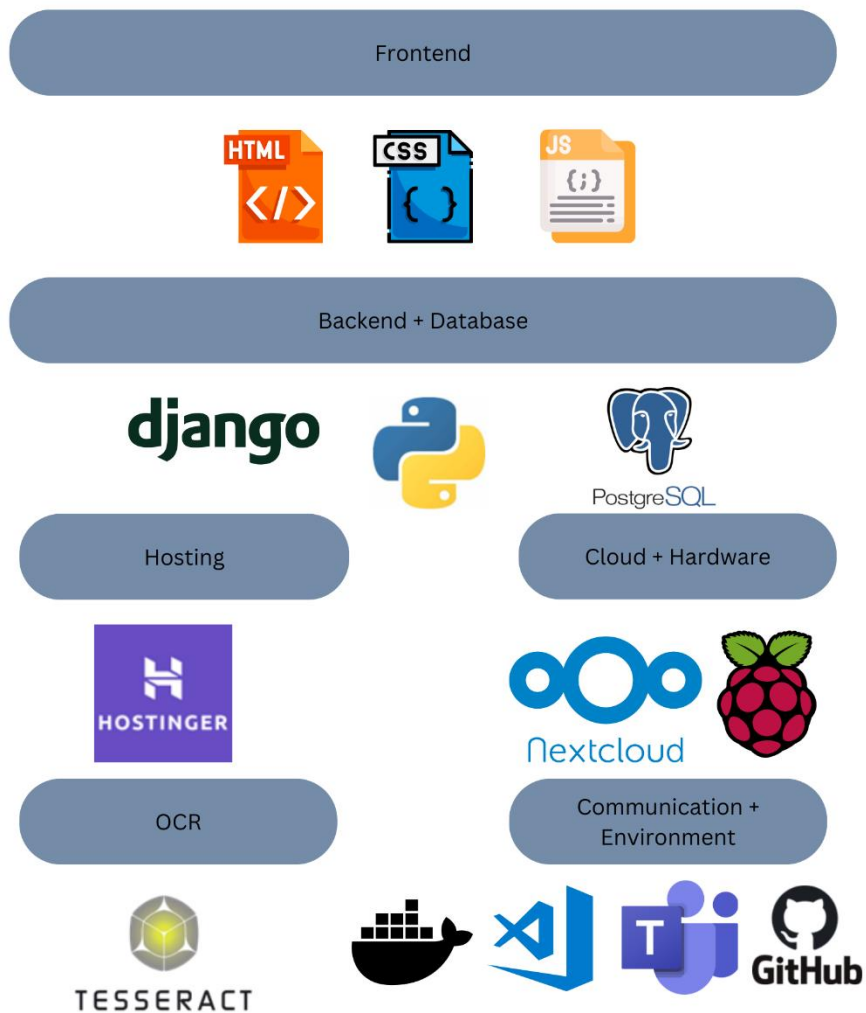


Figure 367: Technology Stack

7.3 Github Repository

The screenshot shows a GitHub repository interface. At the top, there's a navigation bar with 'main' branch selected, '24 Branches', and 'Tags'. A search bar and 'Add file' button are also present. Below this, a table lists repository files and folders with their commit messages and timestamps. To the right, there's a sidebar with repository statistics: 0 stars, 1 watching, and 0 forks. Below this, there are sections for 'Releases', 'Packages', 'Contributors' (5 users), and 'Languages' (JavaScript 50.9%, CSS 43.0%, Python 3.4%, HTML 2.6%, Dockerfile 0.1%).

File/Folder	Commit Message	Time Ago
accounts	Merge branch 'main' of https://github.com/APC-SoCIT/APC-...	11 hours ago
django_project	Fixed issue with main, Credits Justin Ong	13 minutes ago
docs	MNTSDEV 10 PHISHDA PAPER	4 days ago
pages	Merge branch 'main' of https://github.com/APC-SoCIT/APC-...	11 hours ago
.gitignore	feature_backend/10_KPMS_Seperate_Production_and_Local_...	4 days ago
CONTRIBUTING.md	Initial commit	5 days ago
Dockerfile	Initial commit	5 days ago
LICENSE	Initial commit	5 days ago
README.md	FIXED README.md	10 hours ago
docker-compose.yml	Initial commit	5 days ago
logo.png	Initial commit	5 days ago
manage.py	feature_backend/10_KPMS_Seperate_Production_and_Local_...	4 days ago
requirements.txt	Initial commit	5 days ago

Figure 378: Github Repository

Official Phishda Chambers of the Burning Ashes System Github Repository, The repository can be accessed here: <https://github.com/APC-SoCIT/APC-2024-2025-T2-10-Chambers-of-the-Burning-Ashes-System.git>

7.4 Cloud Hosted Prototype

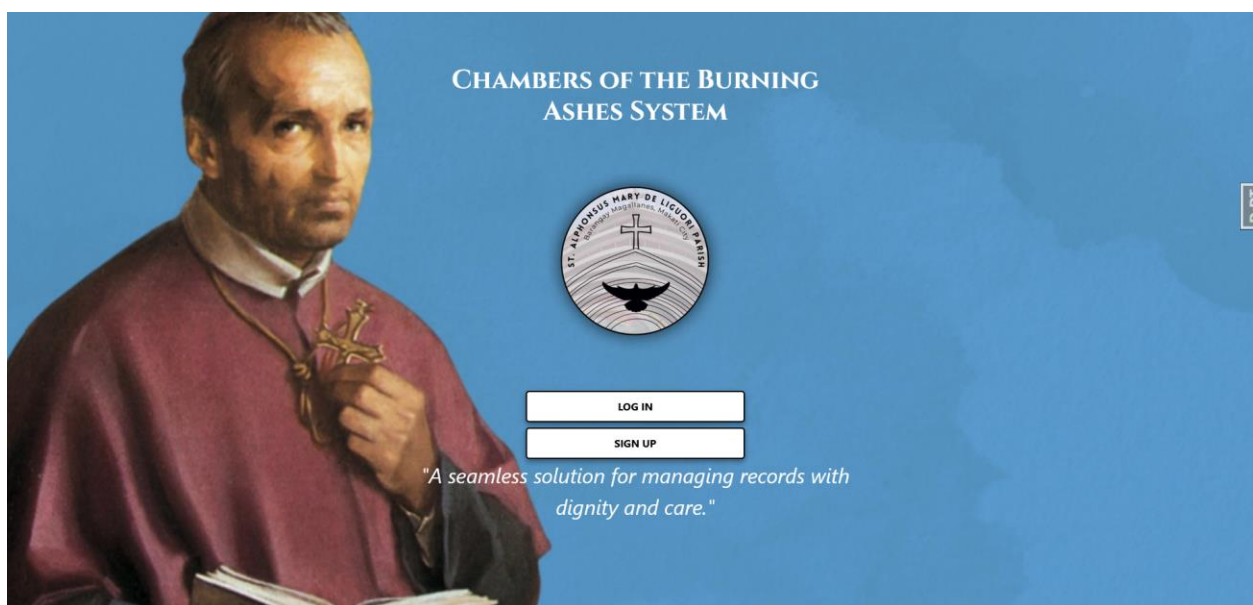
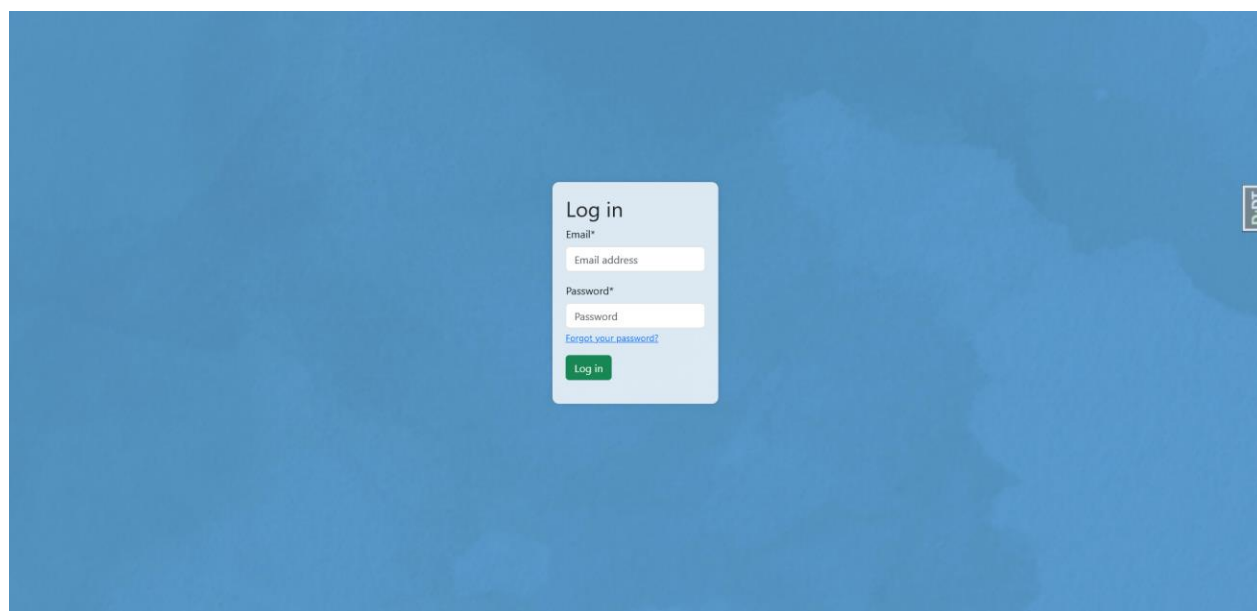
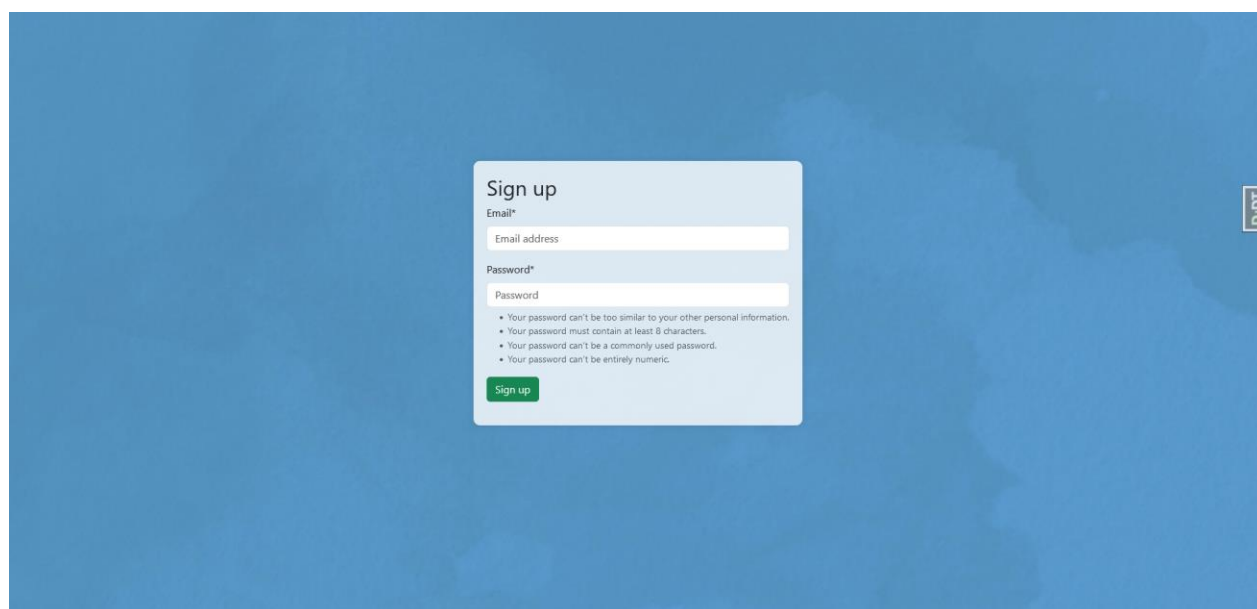


Figure 38: Landing Page



The image shows a login page with a blue background. In the center, there is a white box with a light blue border. Inside the box, the text "Log in" is at the top. Below it, there is a label "Email*" followed by a text input field with the placeholder "Email address". Below that, there is a label "Password*" followed by a text input field with the placeholder "Password". Below the password field, there is a link "Forgot your password?". At the bottom of the box, there is a green button with the text "Log in". On the right side of the page, there is a small vertical logo that says "DDT".

Figure 391: Login Page



The image shows a sign up page with a blue background. In the center, there is a white box with a light blue border. Inside the box, the text "Sign up" is at the top. Below it, there is a label "Email*" followed by a text input field with the placeholder "Email address". Below that, there is a label "Password*" followed by a text input field with the placeholder "Password". Below the password field, there is a list of four bullet points: "Your password can't be too similar to your other personal information.", "Your password must contain at least 8 characters.", "Your password can't be a commonly used password.", and "Your password can't be entirely numeric.". At the bottom of the box, there is a green button with the text "Sign up". On the right side of the page, there is a small vertical logo that says "DDT".

Figure 402: Sign Up

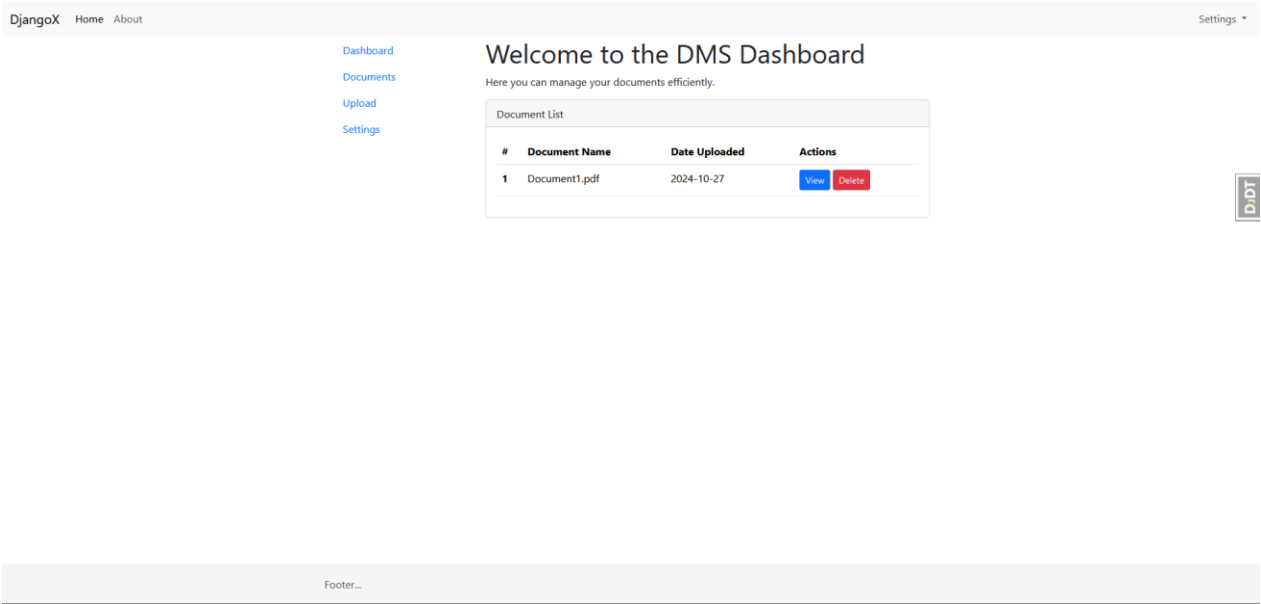


Figure 413: Dashboard

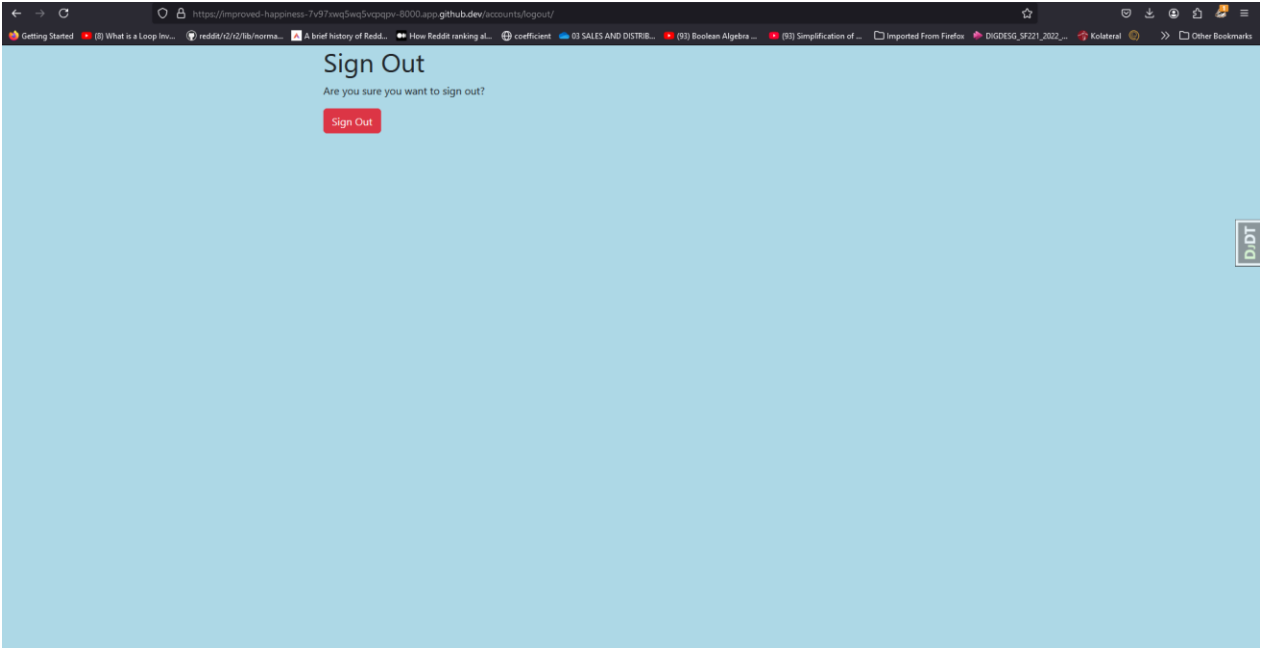


Figure 424: Sign Out

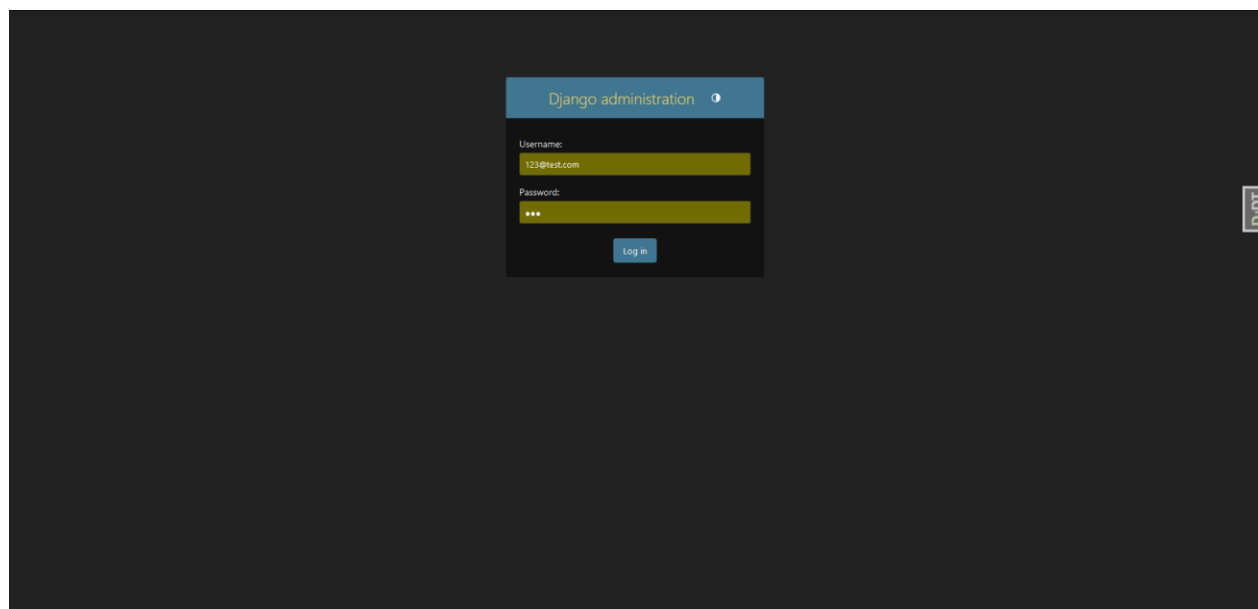


Figure 435: Django Admin Page

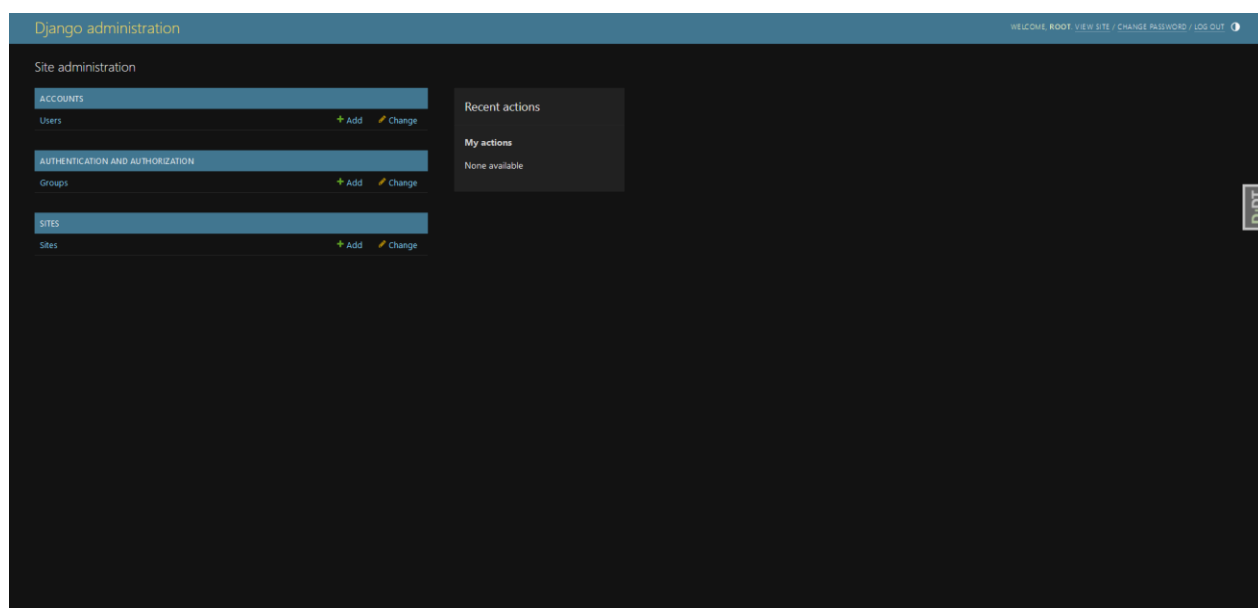


Figure 446: Django Administration Landing Page

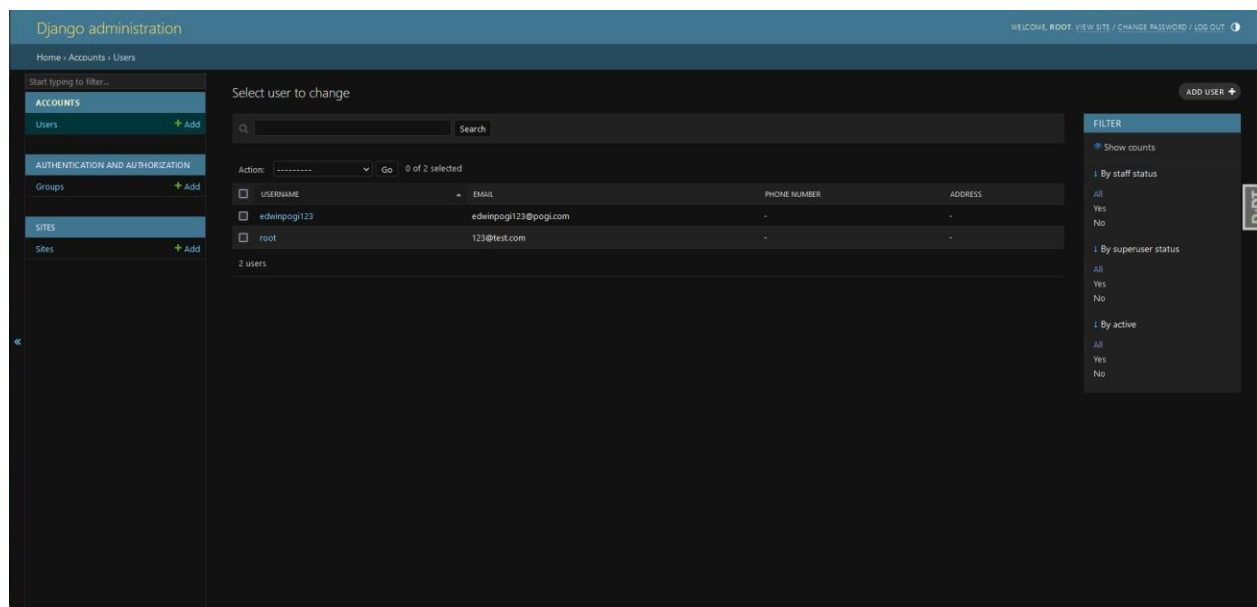


Figure 457: Accounts Panel

The screenshot shows the 'Add user' form in the Django administration interface. The left sidebar is identical to the previous figure. The main content area is titled 'Add user' and contains a form for creating a new user.

Form Fields:

- Username:** A text input field.
- Password-based authentication:** A radio button group with 'Enabled' (selected) and 'Disabled' options. A note states: 'Whether the user will be able to authenticate using a password or not. If disabled, they may still be able to authenticate using other backends, such as Single Sign-On or LDAP.'
- Password:** A text input field with a password strength indicator showing four red bars. The indicator text reads: 'Your password can't be too similar to your other personal information.', 'Your password must contain at least 8 characters.', 'Your password can't be a commonly used password.', and 'Your password can't be entirely numeric.'
- Password confirmation:** A text input field with a note: 'Enter the same password as before, for verification.'
- Personal info:** A section header followed by input fields for 'First name', 'Last name', 'Email', 'Phone number', and 'Address'.

The bottom right of the interface shows the user 'WELCOME, ROOT' and links for 'VIEW SITE', 'CHANGE PASSWORD', and 'LOG OUT'.

Figure 468: Fill Up Page

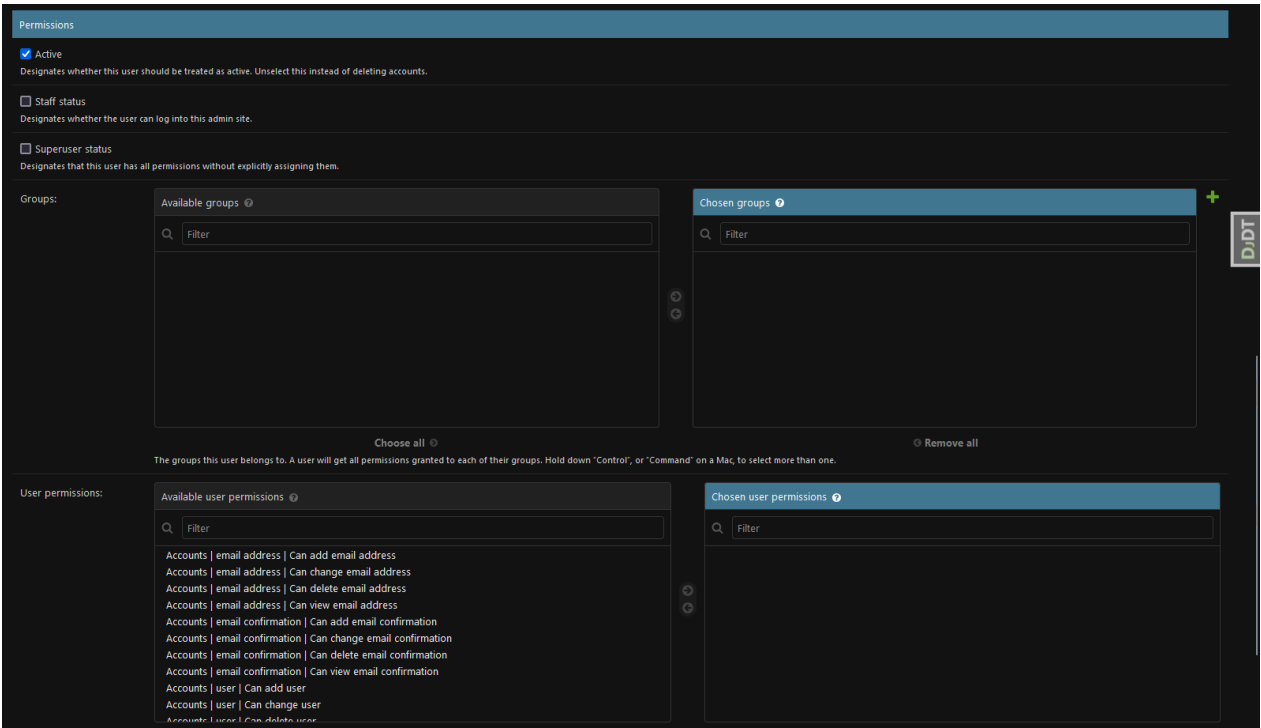


Figure 479: Permissions Page

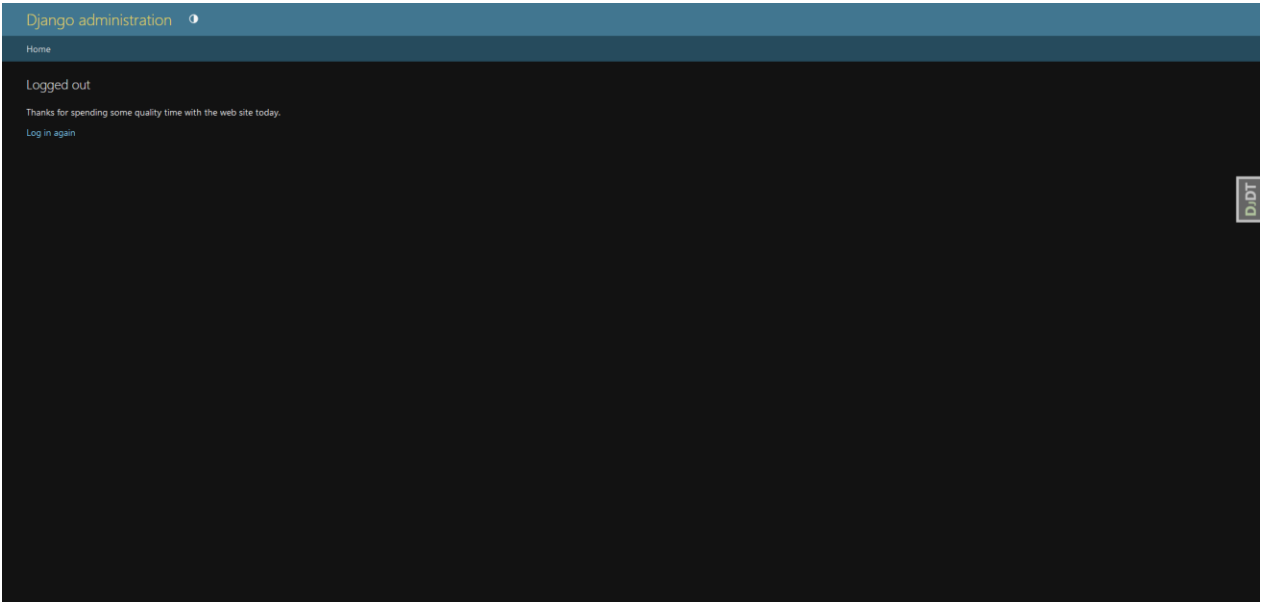


Figure 480: Log out Prompt

VIII. Appendices

Appendix A: Project Vision

The vision for the Chambers of the Burning Ashes System (CBAS) is to revolutionize the management of columbarium services at St. Alphonsus Mary de Liguori Parish by implementing a modern, secure, and efficient web-based application. This system will streamline and automate the parish's current manual processes, significantly reducing errors and enhancing data security. By providing a document management with robust backup and encryption capabilities,

CBAS will ensure accurate tracking of columbarium vaults, secure storage of customer data, and seamless retrieval of information. Ultimately, this project aims to improve operational efficiency, foster trust and satisfaction among customers, and empower parish staff with a Userfriendly tool that simplifies their daily tasks.

Appendix B: Schedule/Release Plan

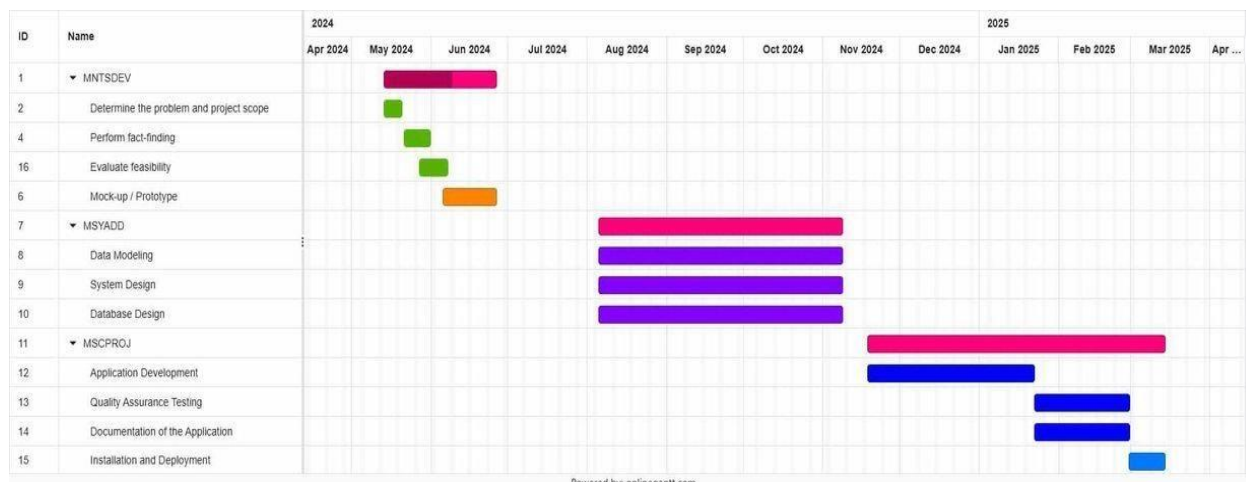


Figure 491: Log out Prompt

Target Group: St Alfonso's Parish Columbarium

Goal: To digitize and create a document management system with the utilization of OCR and analytics.

Needs: To have a web-based platform.

Value: The new digitalized system will increase the security of the data due to its multiplatform capabilities and help the Parish locate certain data about columbaries without physically searching for it. Additionally, it aims to visualize data and generate reports.

Key features: Documentation Management System, AI Voice Assistant, Analytics, Nextcloud Pi.

Release Plan

Our release plan is divided into three sections according to our course subjects: MNTSDEV, MSYADD1, and MCSPROJ. The project is on schedule with the completion of Release 2, including this paper. The complete product backlog is available in Table 16.

Release 1

- Research paper
- Presentation deck
- Low-fidelity prototype

Release 2

- Model diagrams
- System design
- High-fidelity prototype

Release 3

- Functional prototype
- Deployed systems

- Quality assurance testing

Appendix C: Product Roadmap

Table 10: Product Roadmap

MNSTDEV	MSYADD	MCSPROJ
Inception <ul style="list-style-type: none"> • Client Search • Ideation Planning <ul style="list-style-type: none"> • Identify the problem/scope • Evaluate Feasibility Meeting <ul style="list-style-type: none"> • Meeting with the client • Process Immersion Low-Fidelity Prototyping <ul style="list-style-type: none"> • Create wireframe • Conceptualize use process flow Proposal <ul style="list-style-type: none"> • Presentation Deck • Documentation Paper 	Modeling <ul style="list-style-type: none"> • Data Flow Diagrams • Entity-relationship Diagrams • Improvement of Use Case Diagram • Sequence Diagrams • State Machine Diagrams • Package Diagrams Design <ul style="list-style-type: none"> • System Design • Database Design High-fidelity Prototyping <ul style="list-style-type: none"> • Figma Model • Responsive Design Construction Plan <ul style="list-style-type: none"> • Repository Generation • Drafting of Documentation Plan • Module Assignment • Team Training 	Development <ul style="list-style-type: none"> • Functional Prototype • Documentation Testing <ul style="list-style-type: none"> • Quality Assurance • Client Assessment Internal Deployment <ul style="list-style-type: none"> • Installation • Integration External Deployment <ul style="list-style-type: none"> • User-facing website • Payment Gateway

Appendix D: Teams Meetings

Date: 05/10/2024

Agenda: Onsite Meeting with client & visiting the phishda team office



Figure 502: Onsite Meeting with Client

Date: 25/10/2024

Agenda: Group meeting

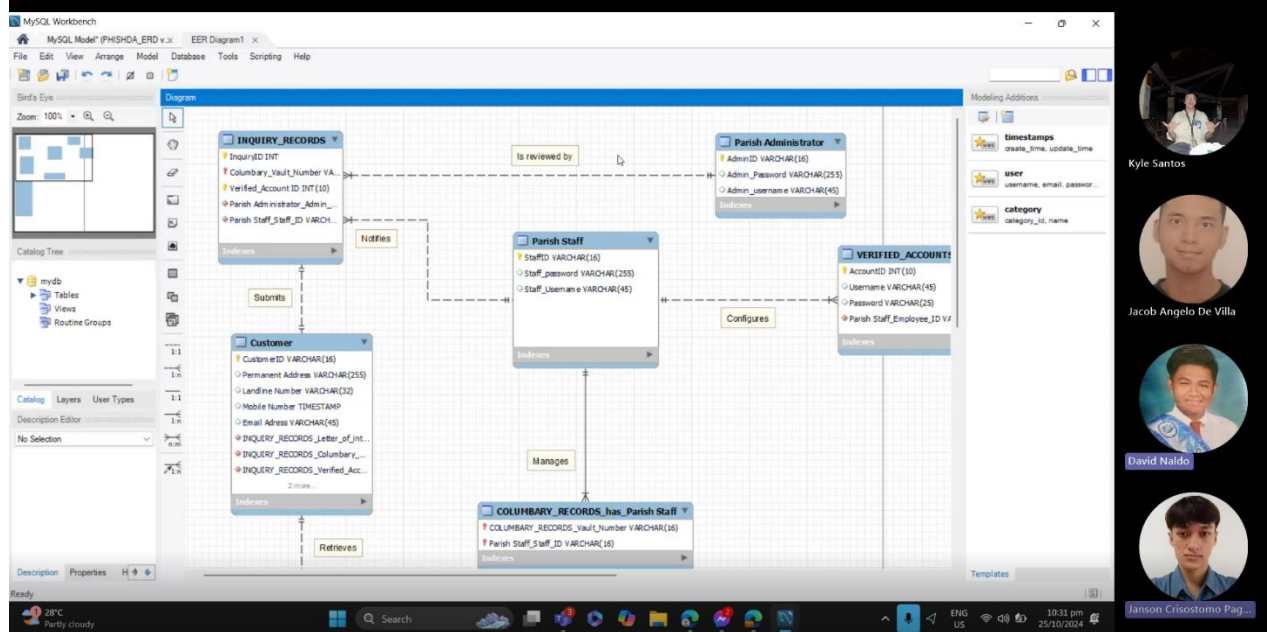


Figure 512: ERD Discussion Meeting

Date: 28/10/2024

Agenda: Group meeting

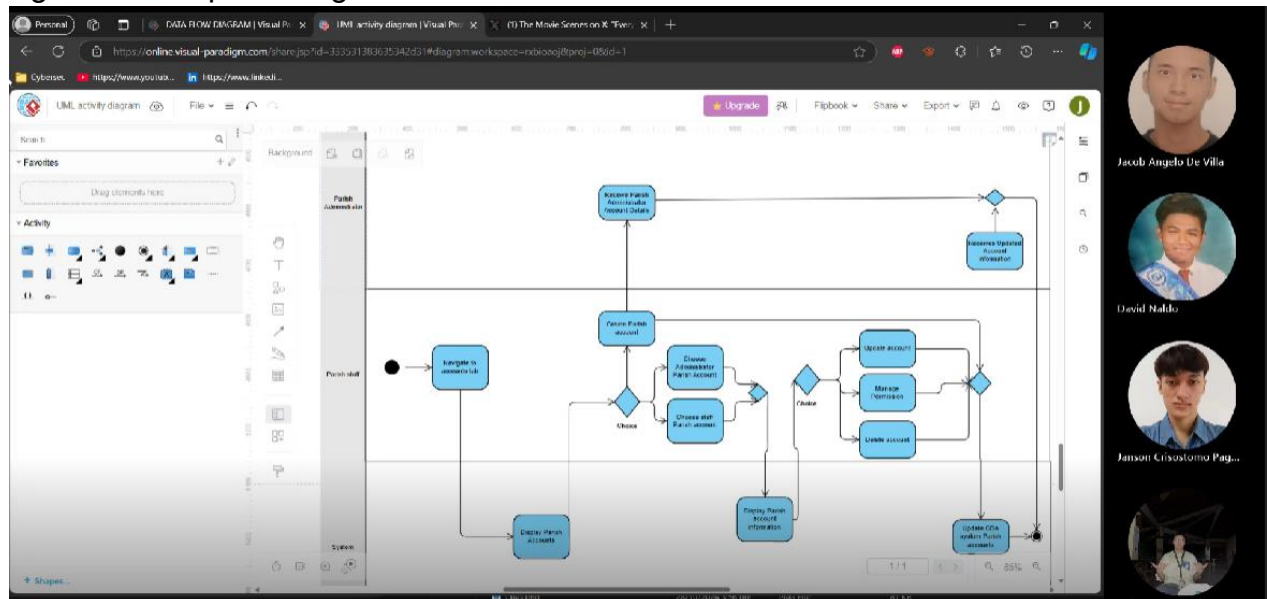


Figure 523: Activity Diagram Discussion Meeting

Date: 24/10/2024

Agenda: Meeting with consultant.

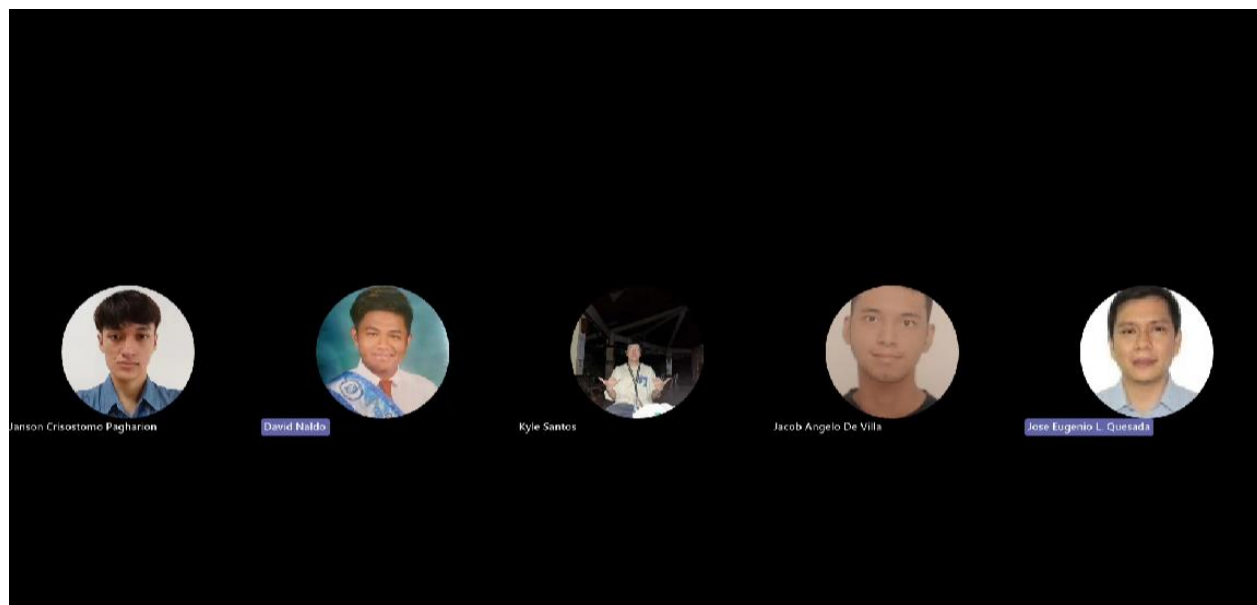


Figure 534: Consultant Meeting

Date: 28/10/2024

Agenda: Final Meeting Before Finals Defense.

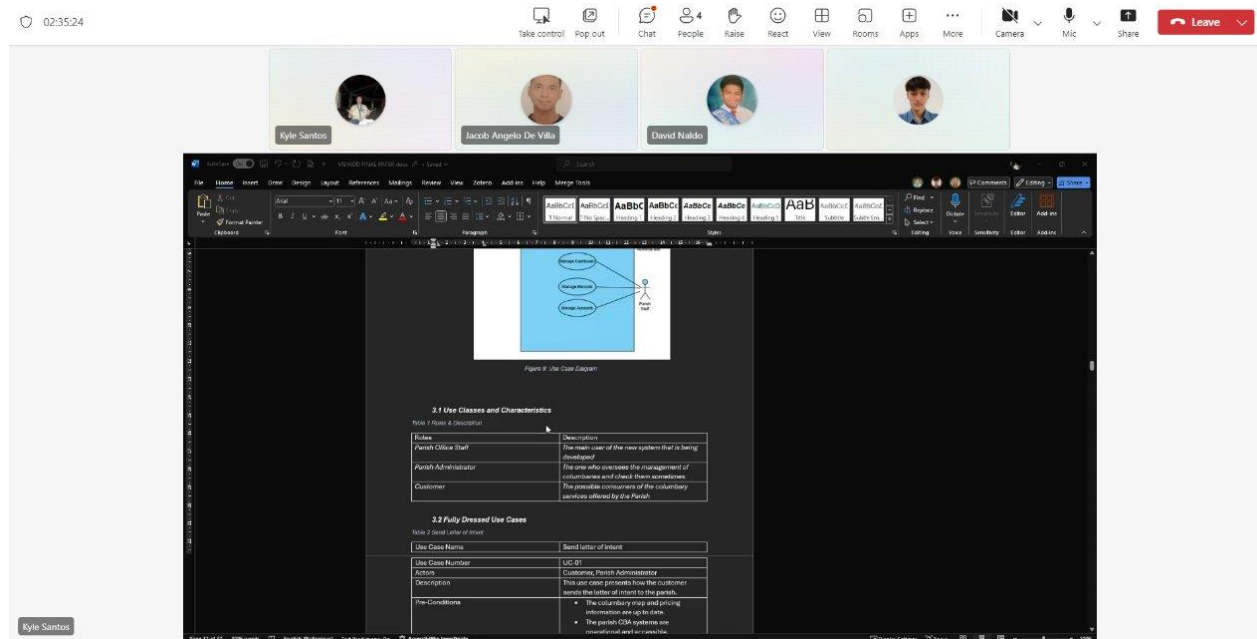


Figure 545: Final Meeting Before Finals Defense