



CuringCamPAINS

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Problem Definition

How do we help political campaigns recruit volunteers more effectively?



Overview of the Requirements

- Need:
 - Import contacts
 - Log outreach attempts
 - Download data
- Want:
 - Easy upload of contacts
 - Easy download of data
 - Efficient logging
 - Shuffle contacts
 - Access to previously sent messages as templates
 - Personalized profile



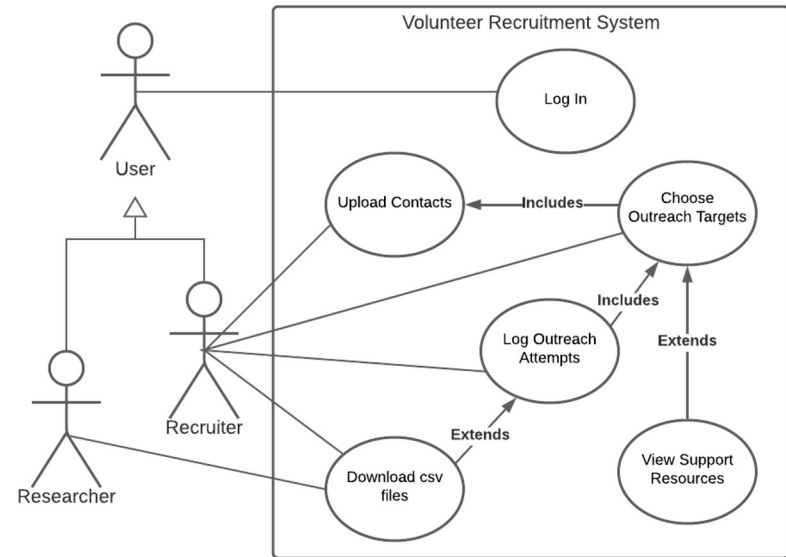
Use Cases

- **Type of users**

- Recruiter
- Researcher

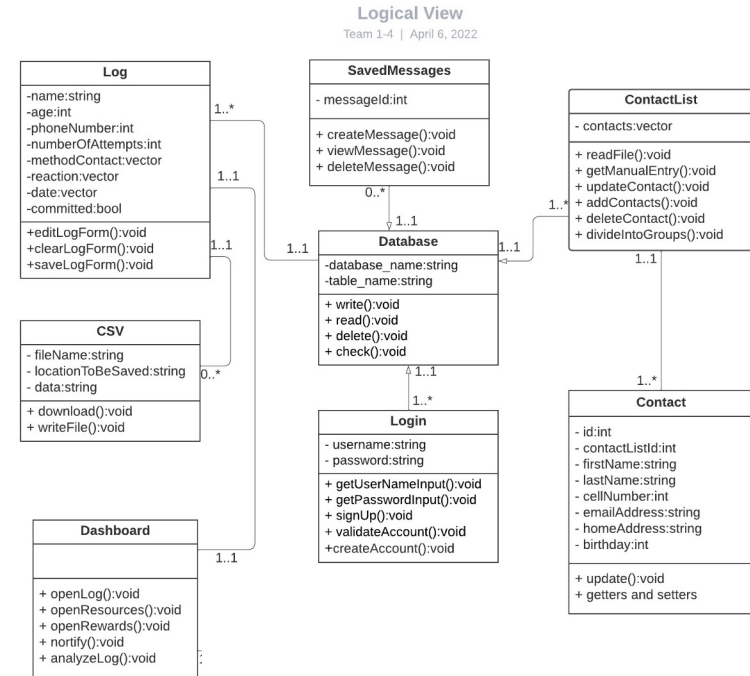
- **Main Use cases**

- Login
- Upload Contacts
- View Support Resources
- View Outreach Target
- Log Outreach Attempts
- Download CSV



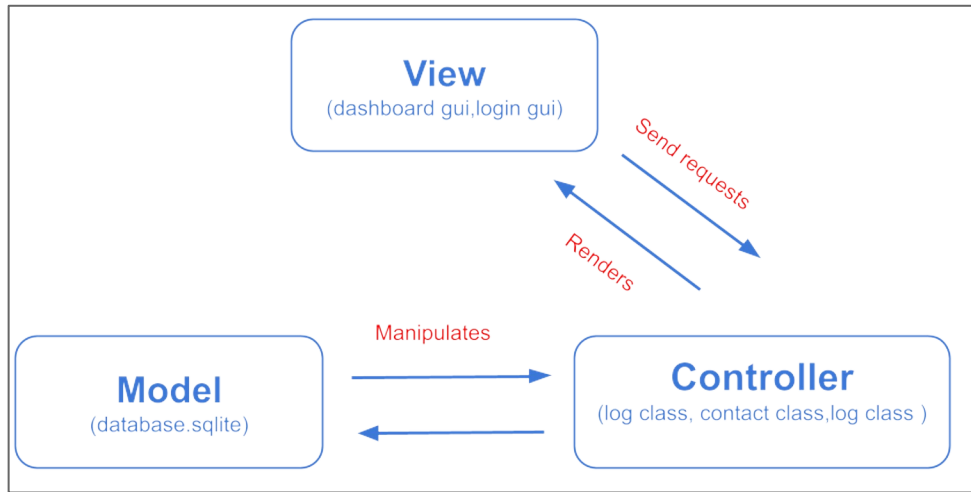
Project Overview

- Use of object oriented programming to isolate each class based on their functionality
- Use of the database parent class which will be inherited by different classes to facilitate database interaction
- Used sqlite database



Design Pattern

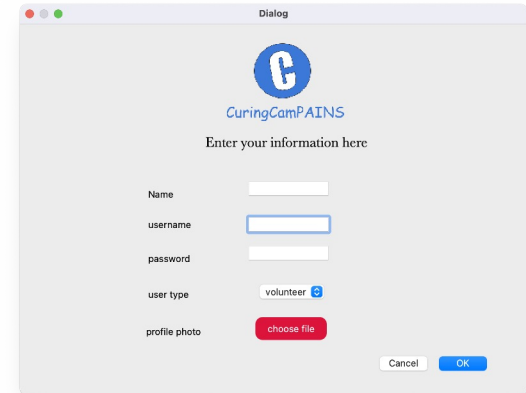
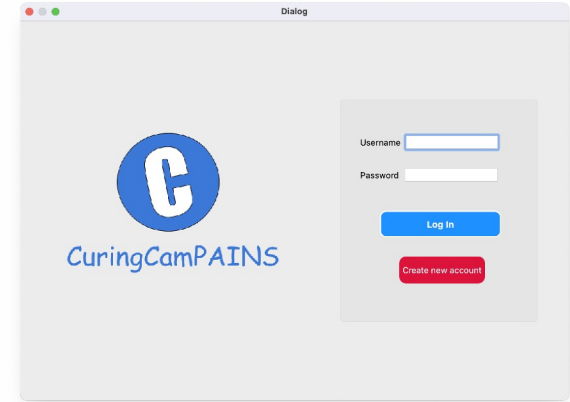
- Utilized the MVC design architecture
- Advantages
 - Easy for multiple developers to collaborate and work together.
 - Easier to update the application.
 - Easier to debug as we have multiple levels properly written in the application



Application Components

Login

- First user interface that the user is exposed to
- Roles:
 - To log the user into the system
 - To create a new user account
- Page description
 - Login Page
 - Requires a combination of username and password
 - password protected (hidden)
 - Include the logo of the software
 - Register to the system
 - Input the information of the new user
 - Upload the photo user



Dashboard

- Main page of the program
- Navigation sidebar
 - Lists contacts from the treatment group
 - Provides contact information
 - Log button opens a log form to record an outreach attempt
 - Dynamic: automatically shuffles the most recently logged contact to the bottom of the lists
 - Contacts that weren't reached out to for a while are at the top.

The screenshot shows a web application interface for 'CuringCampPAINS'. On the left is a sidebar with a user profile for 'Tafita' (a photo of a man) and three blue buttons: 'Dashboard', 'Contacts', and 'Resources'. At the bottom of the sidebar is a red 'Logout' button. The main area is titled 'Form' and contains a table with contact information. The table has three columns: 'Name', 'E-mail', and 'Phone'. Each row also includes a 'Log' button on the right. The contacts listed are Yordi Meng, Padd Meng, Steve Rogers, Tony Start, Michael Jordan, Hamna Younas, Paul Rogers, Susan Averett, Stafford Univ, Meyer Schaun, and Perez Ally.

Name	E-mail	Phone	
Yordi Meng	unknown11@gmail.com	201233000	Log
Padd Meng	unknown12@gmail.com	201233002	Log
Steve Rogers	unknown12@gmail.com	201233005	Log
Tony Start	unknown12@gmail.com	201233007	Log
Michael Jordan	unknown13@gmail.com	201233010	Log
Hamna Younas	unknown12@gmail.com	201233011	Log
Paul Rogers	unknown13@gmail.com	201233012	Log
Susan Averett	unknown12@gmail.com	201233029	Log
Stafford Univ	unknown13@gmail.com	201233030	Log
Meyer Schaun	unknown12@gmail.com	201233031	Log
Perez Ally	unknown12@gmail.com	201233032	Log

Contacts

- To upload contacts, the user has 2 options:
 - Upload a file
 - Enter contact information manually
- When uploading a file, the file finder opens up and the user chooses a .csv file
- Error handling is incorporated in the manual entry option.
 - The contact has to be 18 or above.
 - Phone number needs to be a 10-digit number.
 - Recruiter cannot upload the contact duplicates.
- Random assignment to one of the three groups

The image shows a composite of three screenshots from the CuringCampAINS application. The top-left screenshot shows a sidebar with a user profile for 'Oyu' and navigation buttons for 'Dashboard', 'Contact', and 'Resource'. The top-right screenshot shows a 'Macintosh HD' file finder window with a table of folders. The bottom-center screenshot shows the 'Enter your contact here' form with fields for First Name, Last Name, Phone Number, Email, Address, and Age, along with 'Save' and 'Upload File' buttons.

File Finder Window (Macintosh HD)

Name	Date Modified
Applications	Apr 5, 2022 at 4:03 PM
Library	Jan 18, 2022 at 7:02 AM
System	Jan 1, 2020 at 3:00 AM
Users	Jan 1, 2020 at 3:00 AM

Enter your contact here Form

First Name: Justin

Last Name: Smith

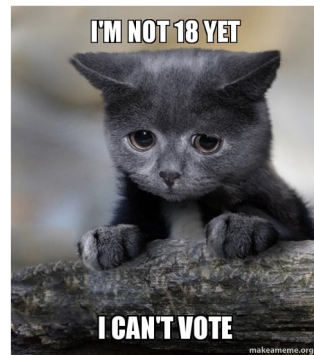
Phone Number:
Invalid phone number!

Email: smithjus@lafayette.ec

Address: RISC

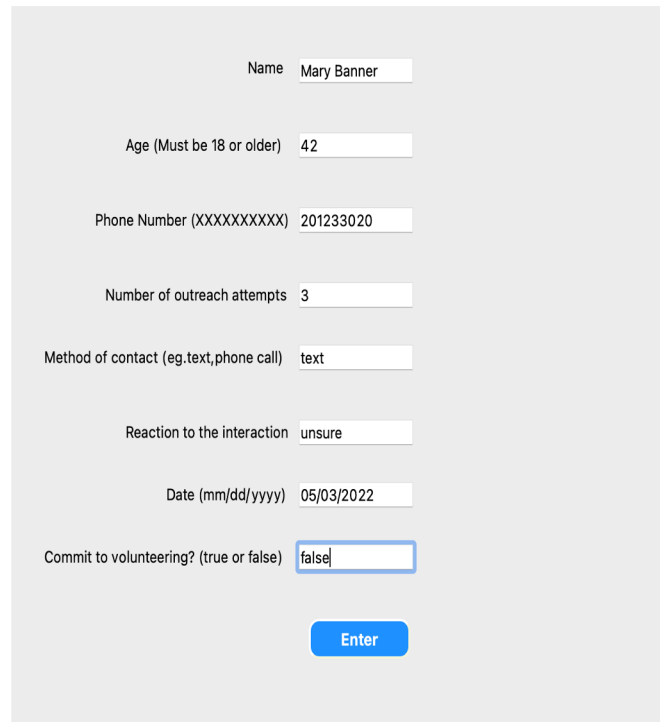
Age:
The contact has to be above 18!

Buttons: Save, Upload File



Log Form

- The Log Form is an organized way for the organizer to store the data they gathered from their interaction with the potential volunteer.
- Takes user input and saves each entry to database
- Autofill()
- Why it is important or how does it contribute to the overall project
- Initial barriers and solutions



The image shows a digital form titled 'Log Form' on a light gray background. The form contains several input fields, each with a label and a value. The labels are: 'Name', 'Age (Must be 18 or older)', 'Phone Number (XXXXXXXXXX)', 'Number of outreach attempts', 'Method of contact (eg.text,phone call)', 'Reaction to the interaction', 'Date (mm/dd/yyyy)', and 'Commit to volunteering? (true or false)'. The values entered are: 'Mary Banner', '42', '201233020', '3', 'text', 'unsure', '05/03/2022', and 'false'. The 'false' value is highlighted with a blue border. At the bottom right of the form is a blue button with the text 'Enter'.

Field Label	Value
Name	Mary Banner
Age (Must be 18 or older)	42
Phone Number (XXXXXXXXXX)	201233020
Number of outreach attempts	3
Method of contact (eg.text,phone call)	text
Reaction to the interaction	unsure
Date (mm/dd/yyyy)	05/03/2022
Commit to volunteering? (true or false)	false

Enter

Resources

- Efficiency and personalization
- Update the profile photo
- Change color
- Messages
 - Create
 - View
 - Delete

Customize your experience with the following resources

Update Profile Photo

Change Color

Create Message

View Message

Delete Message

Create / View / Delete

Write and save your message here

Title:

Text:

[Back](#) [Save Message](#)

Delete undesirable message

Title:

✓ Reach out
Meet
World

Delete

Read your saved messages

Title:

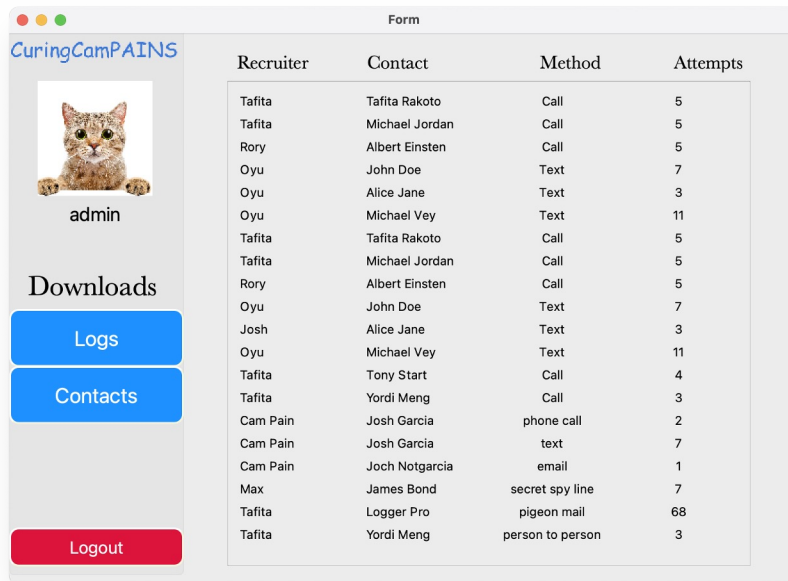
Reach out

View

Hello.I am reaching out to talk about a campaign we are making

Researcher page

- Page for the researcher
- A preview of the list of logs generated by the recruiters
 - Displays name of the recruiter, name of the contact, method of contact, and number of outreach attempts
- Download section
 - Allows the researcher to download log and contact data for all recruiters to a specified csv file



Recruiter	Contact	Method	Attempts
Tafita	Tafita Rakoto	Call	5
Tafita	Michael Jordan	Call	5
Rory	Albert Einstein	Call	5
Oyu	John Doe	Text	7
Oyu	Alice Jane	Text	3
Oyu	Michael Vey	Text	11
Tafita	Tafita Rakoto	Call	5
Tafita	Michael Jordan	Call	5
Rory	Albert Einstein	Call	5
Oyu	John Doe	Text	7
Josh	Alice Jane	Text	3
Oyu	Michael Vey	Text	11
Tafita	Tony Start	Call	4
Tafita	Yordi Meng	Call	3
Cam Pain	Josh Garcia	phone call	2
Cam Pain	Josh Garcia	text	7
Cam Pain	Joch Notgarcia	email	1
Max	James Bond	secret spy line	7
Tafita	Logger Pro	pigeon mail	68
Tafita	Yordi Meng	person to person	3

Project management tools

- QtCreator (development)
- Github (version control)
- Slack (team communication)
- LucidChart (diagram)
- GoogleDraw (logo)
- GoogleDoc (report)
- GoogleSlide (slide presentation)

