

TEAM A31

# ASSURANT CHALLENGE

FOR SOCIAL GOOD

GITHUB LINK:

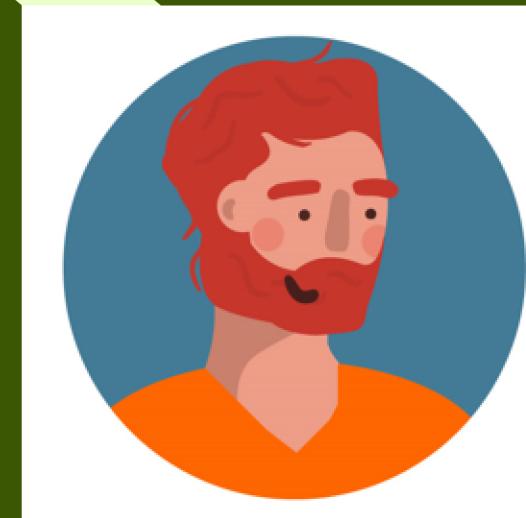
[HTTPS://GITHUB.COM/JULIACJ/SP24HACKATHON](https://github.com/juliacj/SP24HACKATHON)

# INTRODUCTIONS

# OVERVIEW

- Mission: To help people thrive by making the Connected World easier to live in and more enjoyable to experience.
- Goal: To not only help people thrive in a Connected World, but make a solution that benefits society as a whole

# PERSONAS



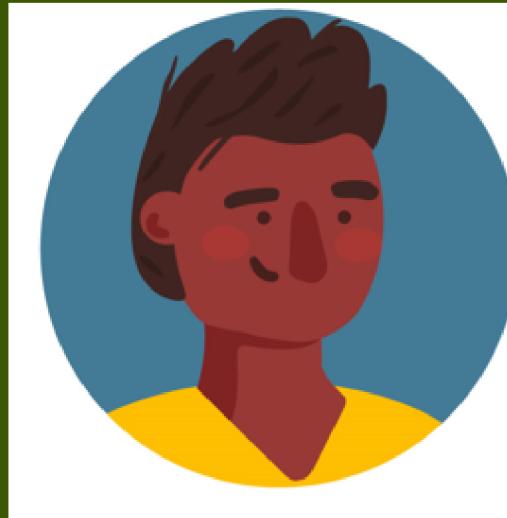
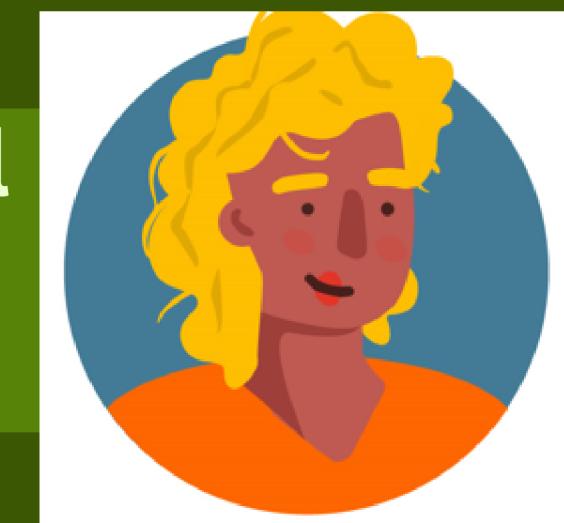
## Joe MacIntosh

- 62 Years Old
- Disabled
- Vetern
- Homeless

- 38 Years Old
- Single Mother

## Mary Cambell

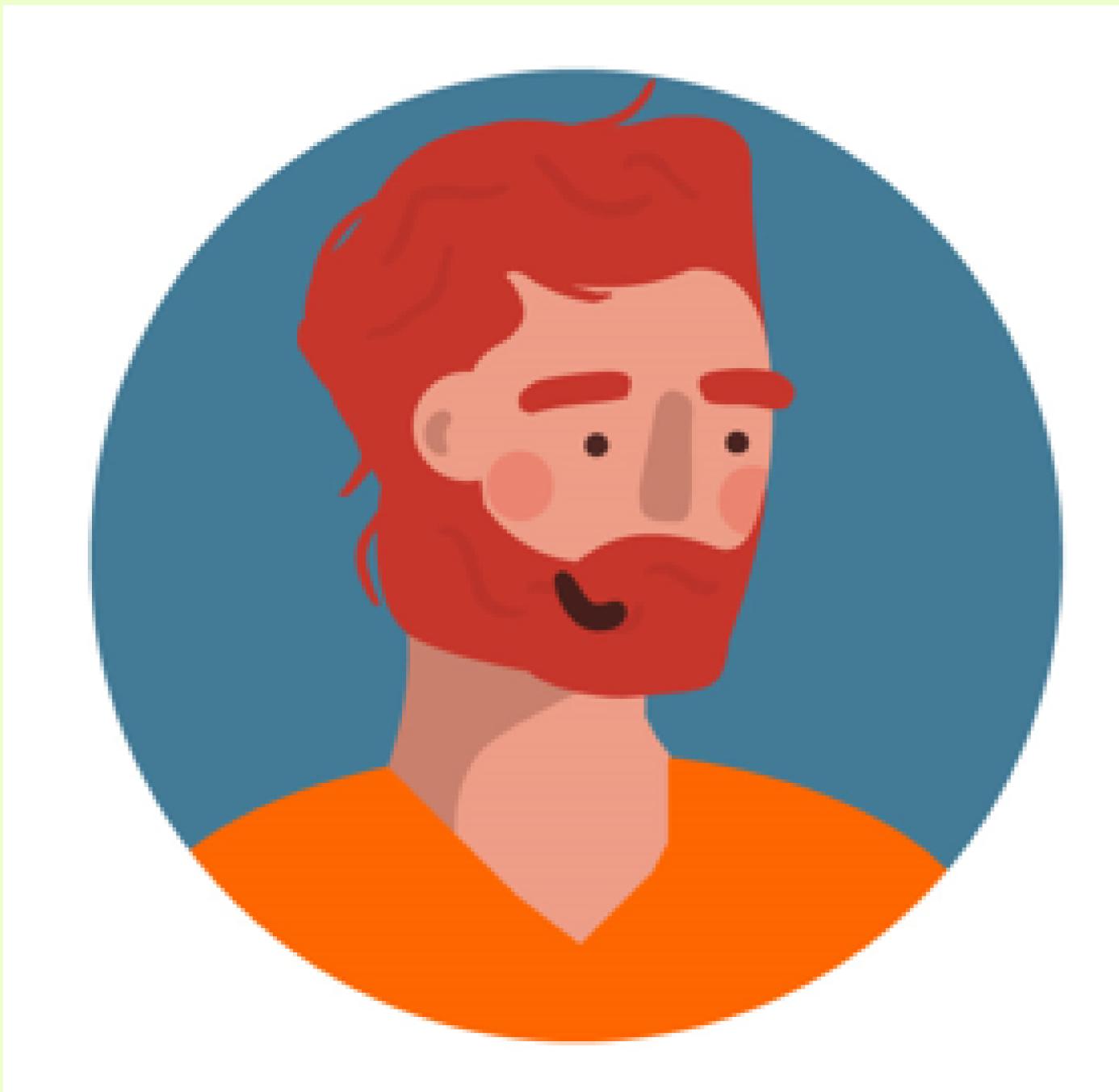
- Food Insecure
- Struggles with Addiction



## Tom Smith

- 25 Years Old
- Works at “Homeless at Heart”
- Struggles with Outreach
- Wants to help as many people as possible

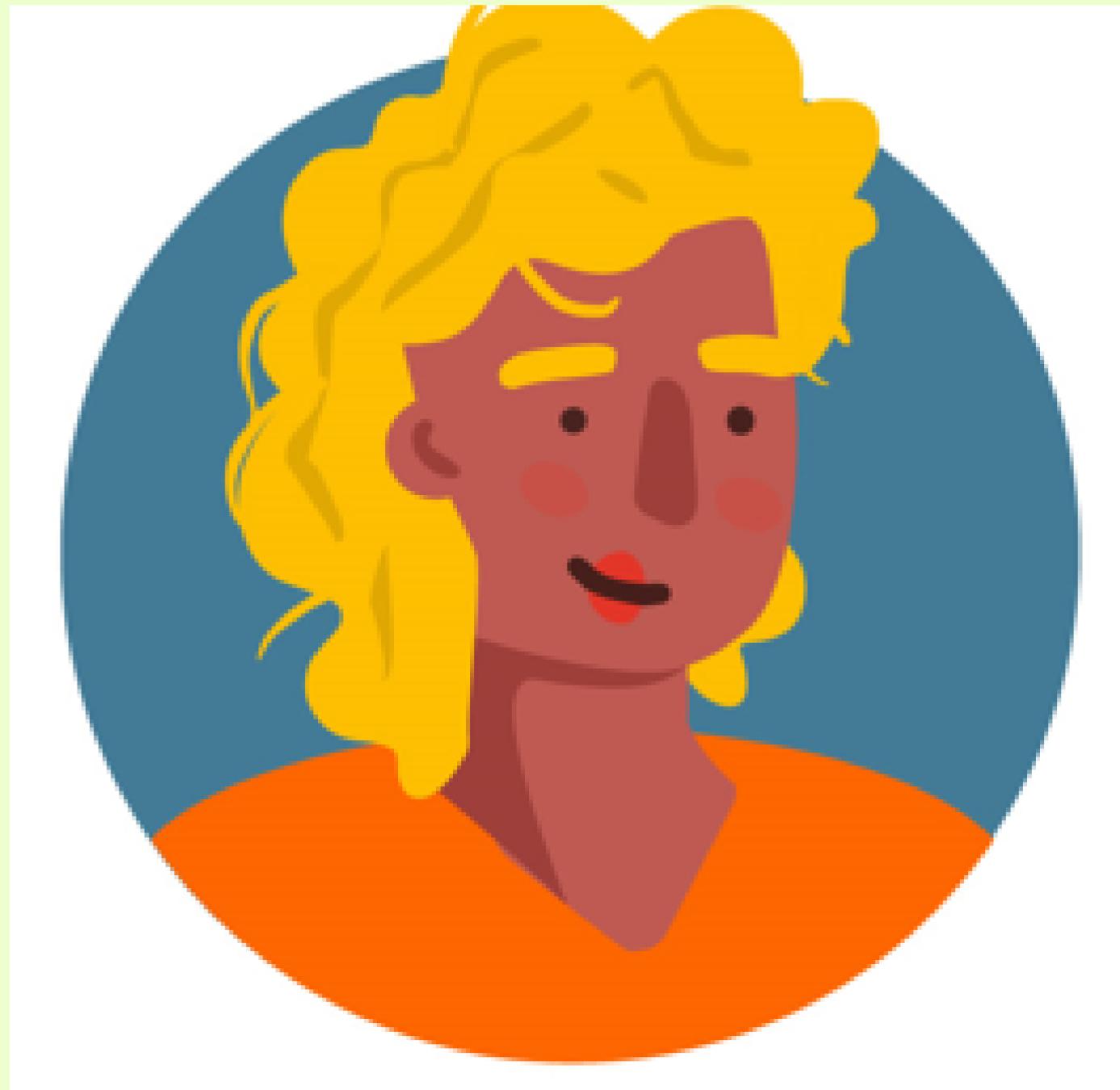
# JOE MACINTOSH



## Bio

- 62 years old
- Veteran
- Disabled
- Discharged from Military
- Homeless for 6 years
- Unemployed
- No contact with family
- Seeking a job and stability

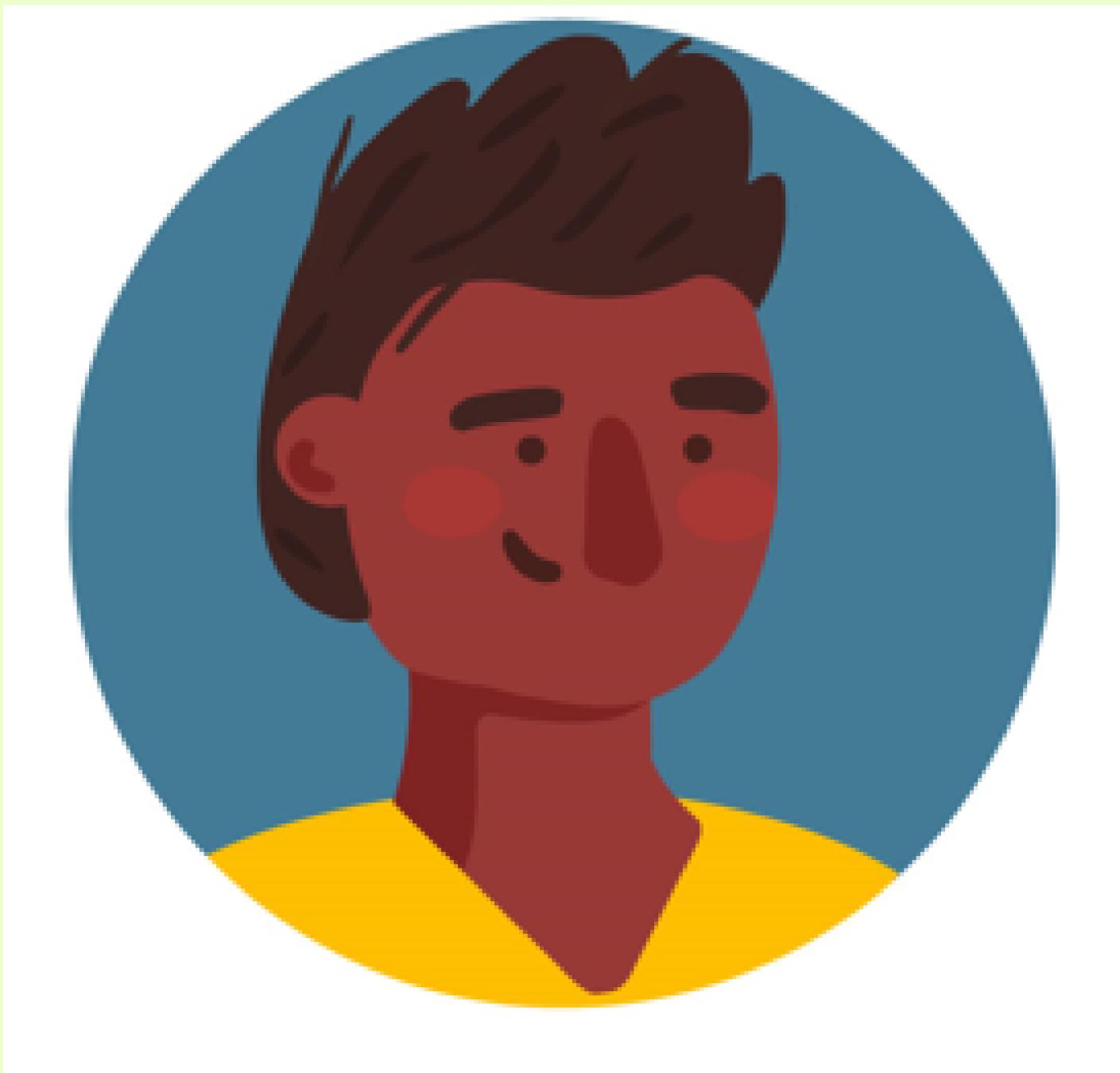
# MARY CAMPBELL



## Bio

- 38 years old
- Single Mother
- Food Insecurity
- Drug Addict
- Unemployed
- Lives in Section 8 housing
- Seeking Rehabilitation

# TOM SMITH

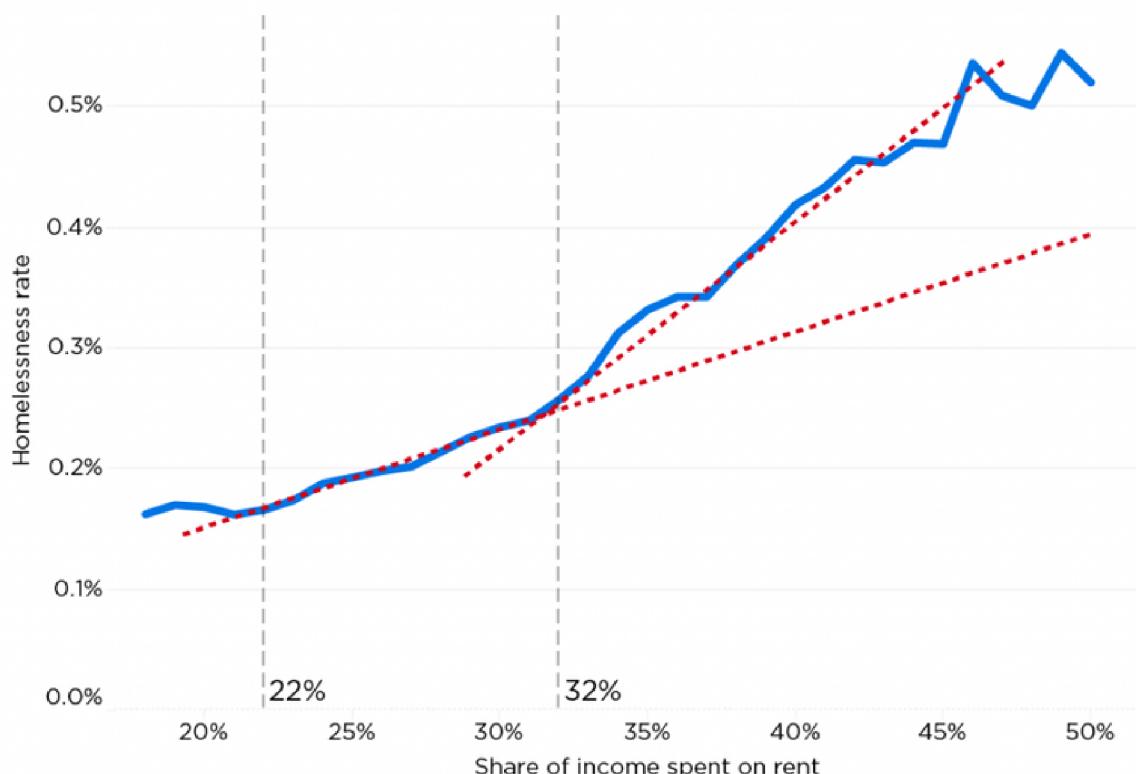


## Bio

- 25 years old
- Volunteer
- Has a wife and 3 kids
- Manager at “Homeless at Heart”
- Tries to get more volunteers and donations for shelter
- Struggling with outreach
- Strives to help as many people as possible

## Homelessness climbs faster when rent affordability reaches 22% and 32% thresholds

An uptick in rent affordability beyond 22 percent translates into more people experiencing homelessness. Beyond 32 percent means a faster-rising rate of homelessness — which could mean a homelessness crisis, unless there are mitigating factors within a community.



Zillow Economic Research | Source: An analysis by Zillow Research Fellow Chris Glynn of the University of New Hampshire, Thomas Byrne of Boston University and Dennis Culhane of the University of Pennsylvania.

# BACKGROUND

## RESOURCES FOR MANY: WHY?

- In 2020 almost 581,000 people were characterized as ‘homeless’
- In 2022, around 61.4% of disabled people faced financial struggles.
- In 2021, 9.5% of children with two parents lived below the poverty level, compared to 31.7% of children living with a single parent.
- About 70% of homeless people have access to a smartphone or the internet

# OUR SOLUTION

WE CHOSE TO HELP A LARGE POPULATION OF INDIVIDUALS FIND SIGNIFICANT RESOURCES VIA A MOBILE APPLICATION.

THIS APPLICATION AIMS TO SUPPORT PEOPLE IN NEED (I.E. VETERANS, THOSE WITH FOOD INSECURITY, STRUGGLING PARENTS) ACROSS THE COUNTRY.

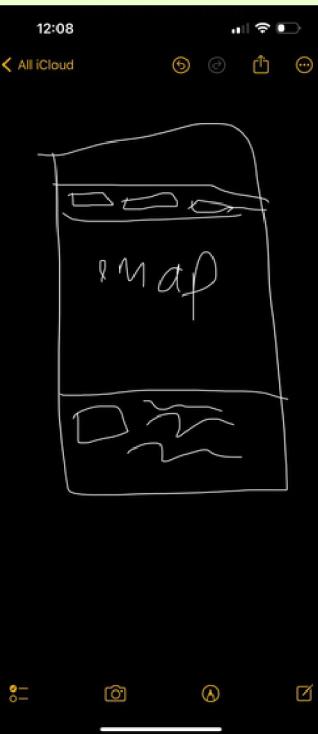
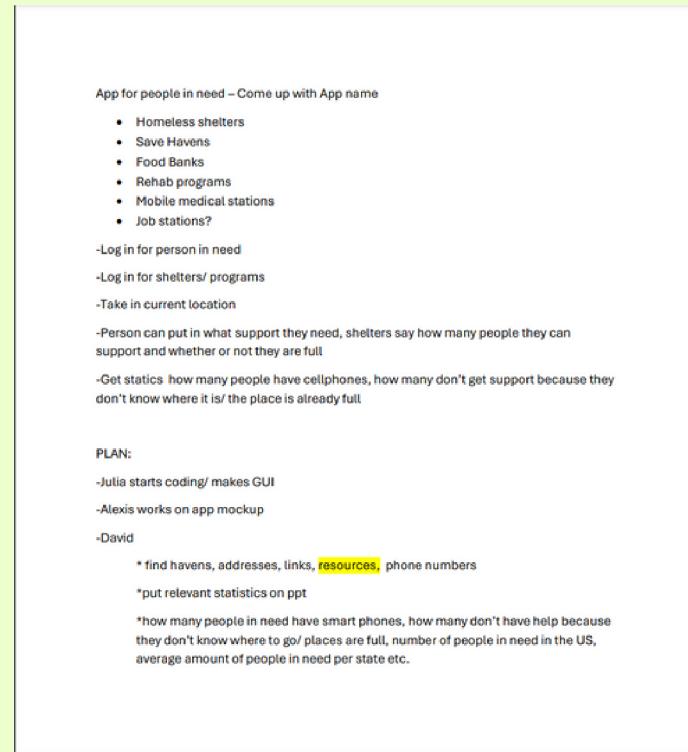
# OUR PITCH

# OUR PITCH

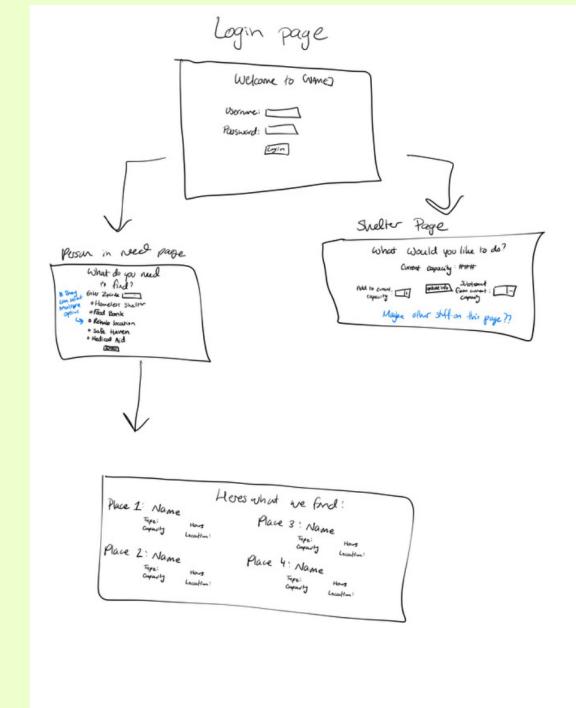


# CREATING CLOSECARE

## FINDING ITS PURPOSE



## MAPPING IT OUT



## BRINGING IT TO LIFE

```
1 //Hackathon-SP2024
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Linq.Expressions;
6 using System.Text;
7 using System.Threading.Tasks;
8
9 namespace Hackathon_SP2024
10 {
11     public class AccountManager
12     {
13         List<Account> allAccounts = new List<Account>();
14         List<Helper> allHelpers = new List<Helper>();
15
16         public AccountManager()
17         {
18             StreamReader sr = new StreamReader("C:\\Users\\Admin\\source\\repos\\Hackathon-SP2024\\SP24\\Hackathon.csv");
19             string line = sr.ReadLine();
20             line = sr.ReadLine();
21
22             while (line != null)
23             {
24                 Console.WriteLine(line);
25                 string[] data = line.Split(',');
26                 string name = data[0];
27                 string type = data[1];
28                 string user = data[2];
29                 string pass = data[3];
30                 string email = data[4];
31                 string phone = data[5];
32                 string location = data[6];
33                 string day = data[7];
34                 string des = data[8];
35                 string hours = data[9];
36
37                 int capacity = Convert.ToInt32(data[10]);
38                 int current = Convert.ToInt32(data[11]);
39                 string limits = data[12];
40                 string address = data[13];
41             }
42         }
43     }
44 }
```

STEP 1

STEP 2

STEP 3

# OUR MVP

FOR PEOPLE IN NEED

FOR HELP PROVIDERS

FOR EVERYONE

[Edit Account](#)      Hello, Mary Cambell      [Logout](#)

Please enter your current city:

What do you need help finding today?

Homeless Shelter  
 Safe Haven  
 Food Bank  
 Rehab Program  
 Medical Station

[Search](#)

Your Account

Name: Homeless at Heart	Description: Homeless Shelter Food bank Medical Station	Limits: No Limitations
Username: HomeHeart	Current Capacity: 158	Your Address: 3715 Northside Pkwy NW Atlanta-GA 30327
Email: No Email	Maximum Capacity: 200	Hours: M-F 9am-5pm
Phone: 404-441-2630	Percent Full: 79	

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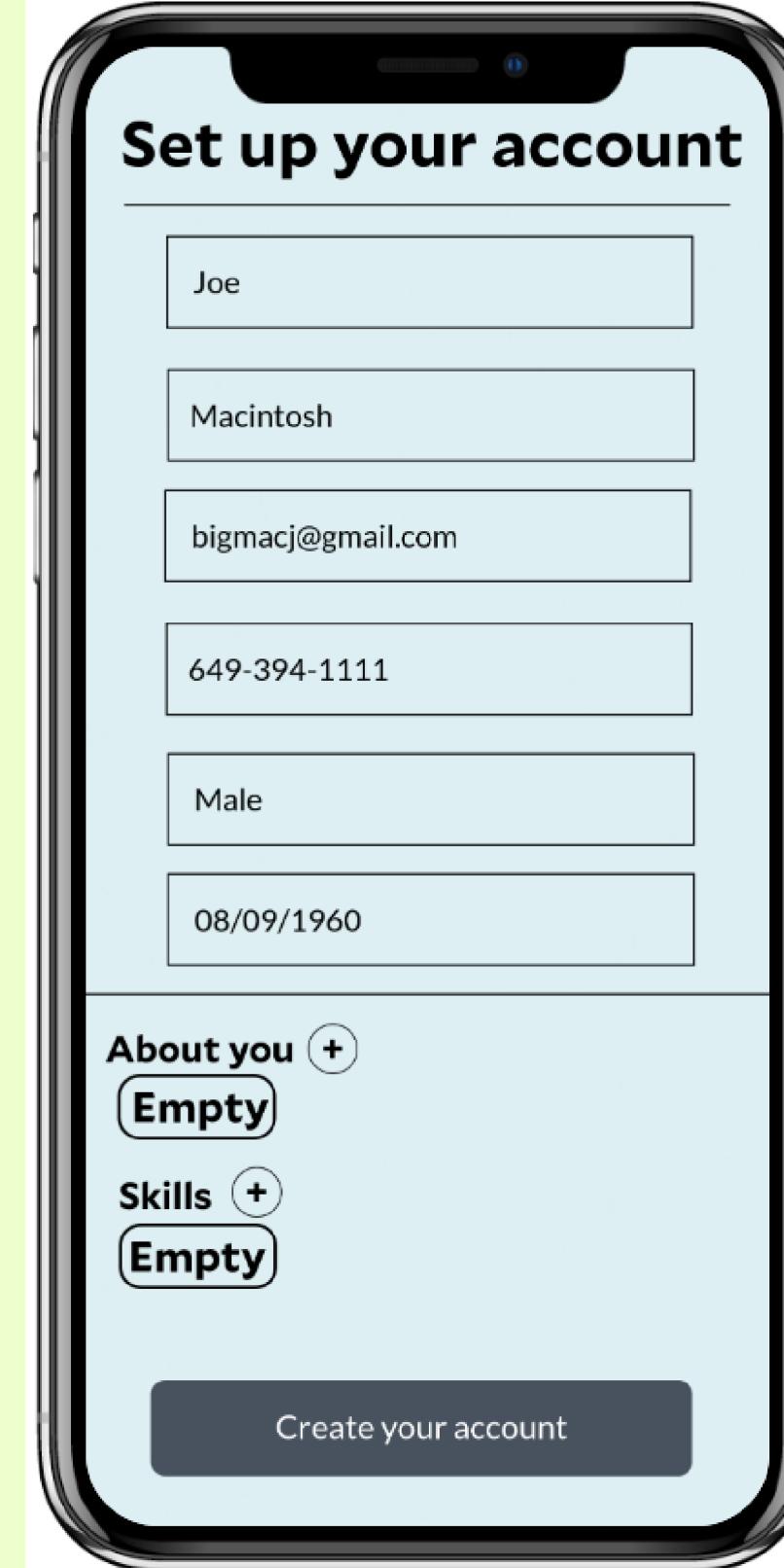
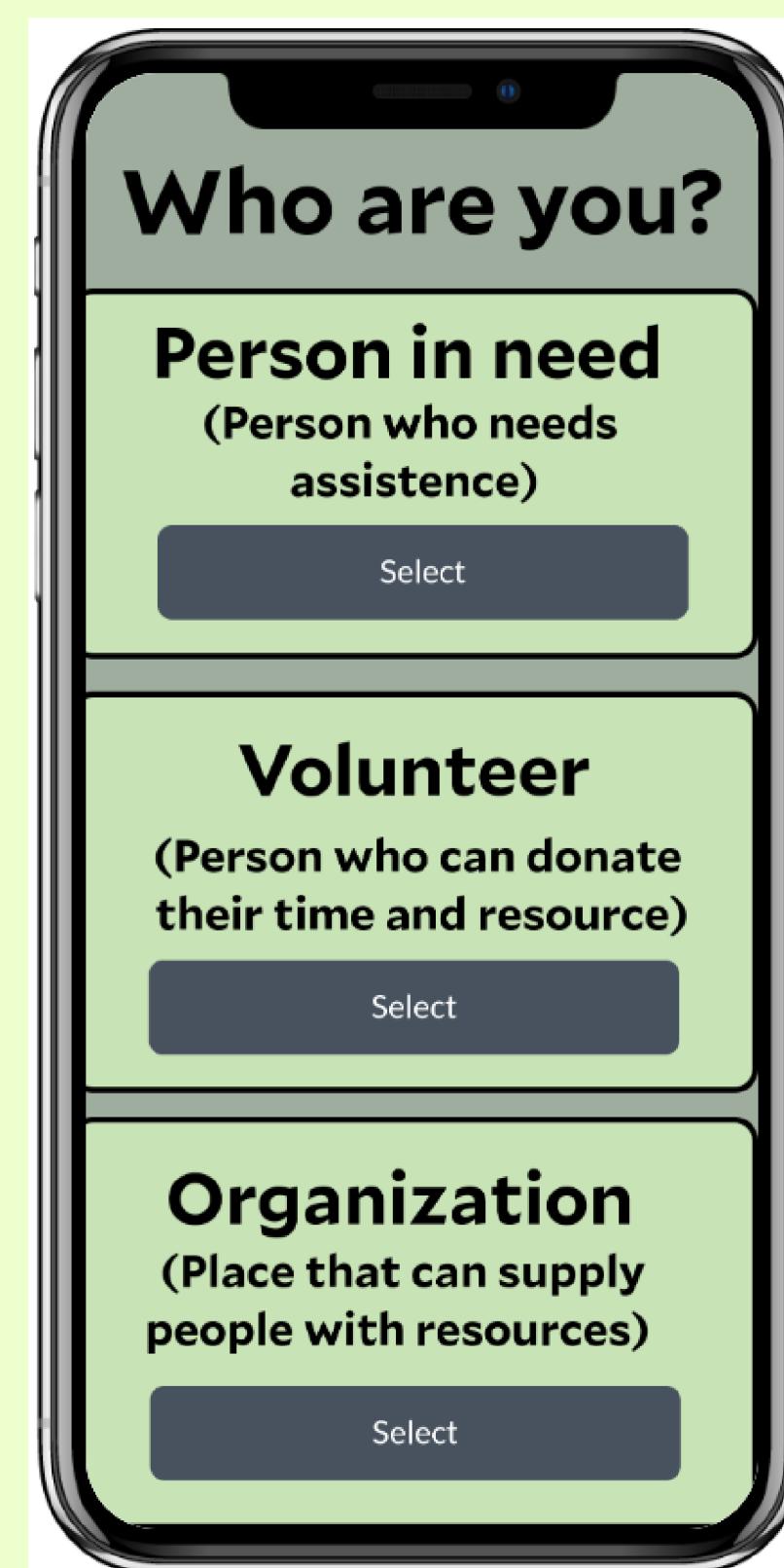
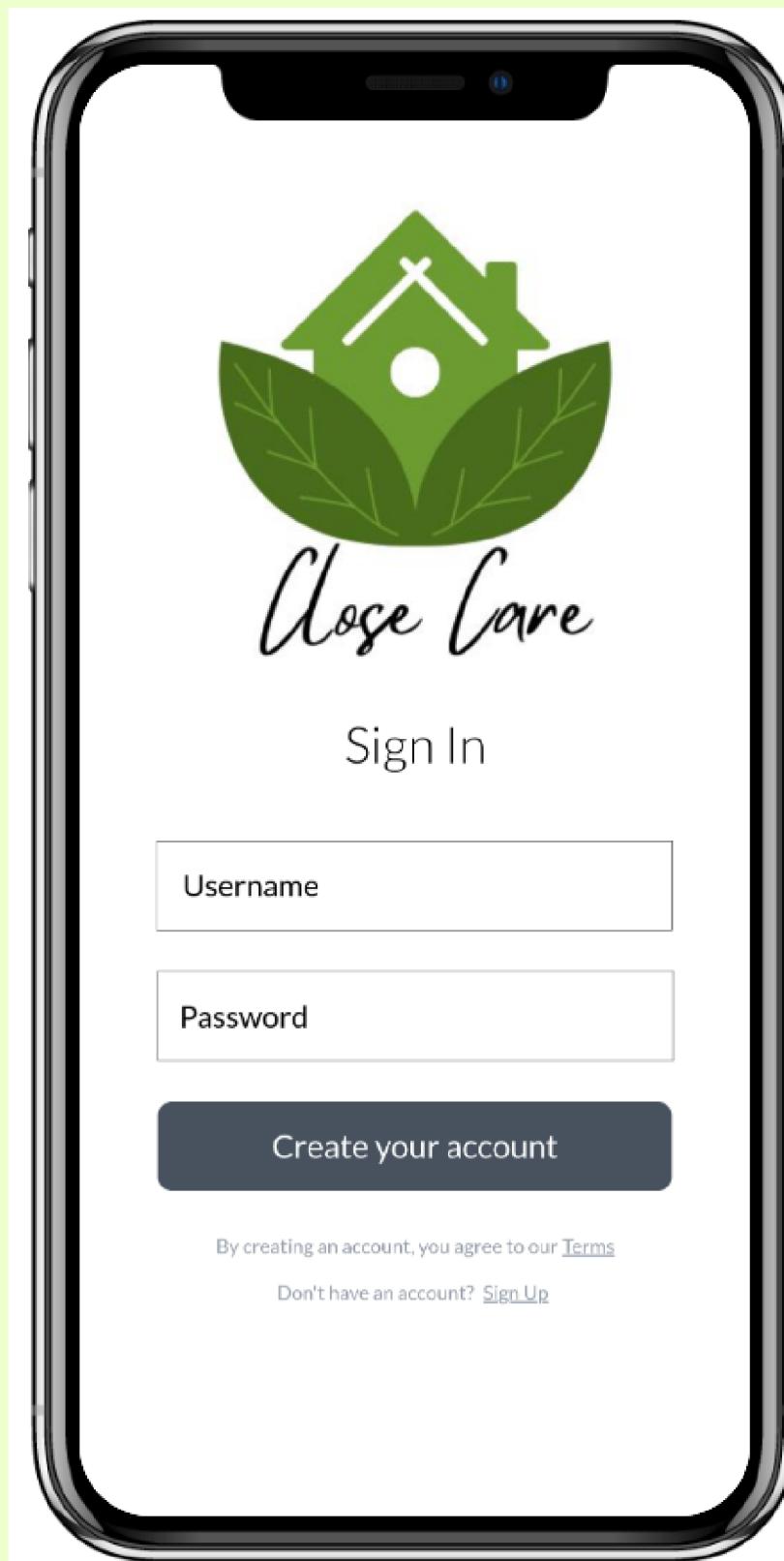
Name: <input type="text"/>	Description: <input type="checkbox"/> Homeless Shelter	Limits: <input type="text"/>
Username: <input type="text"/>	<input type="checkbox"/> Safe Haven	Current Capacity: <input type="text"/>
Password: <input type="text"/>	<input type="checkbox"/> Food Bank	Maximum Capacity: <input type="text"/>
Email: <input type="text"/>	<input type="checkbox"/> Rehab Program	Your Address: <input type="text"/>
Phone: <input type="text"/>	<input type="checkbox"/> Medical Station	Street: <input type="text"/>
	Hours: <input type="text"/>	City, State: <input type="text"/>
		Apt. #: <input type="text"/>
		ZIP Code: <input type="text"/>

[Save & Logout](#)

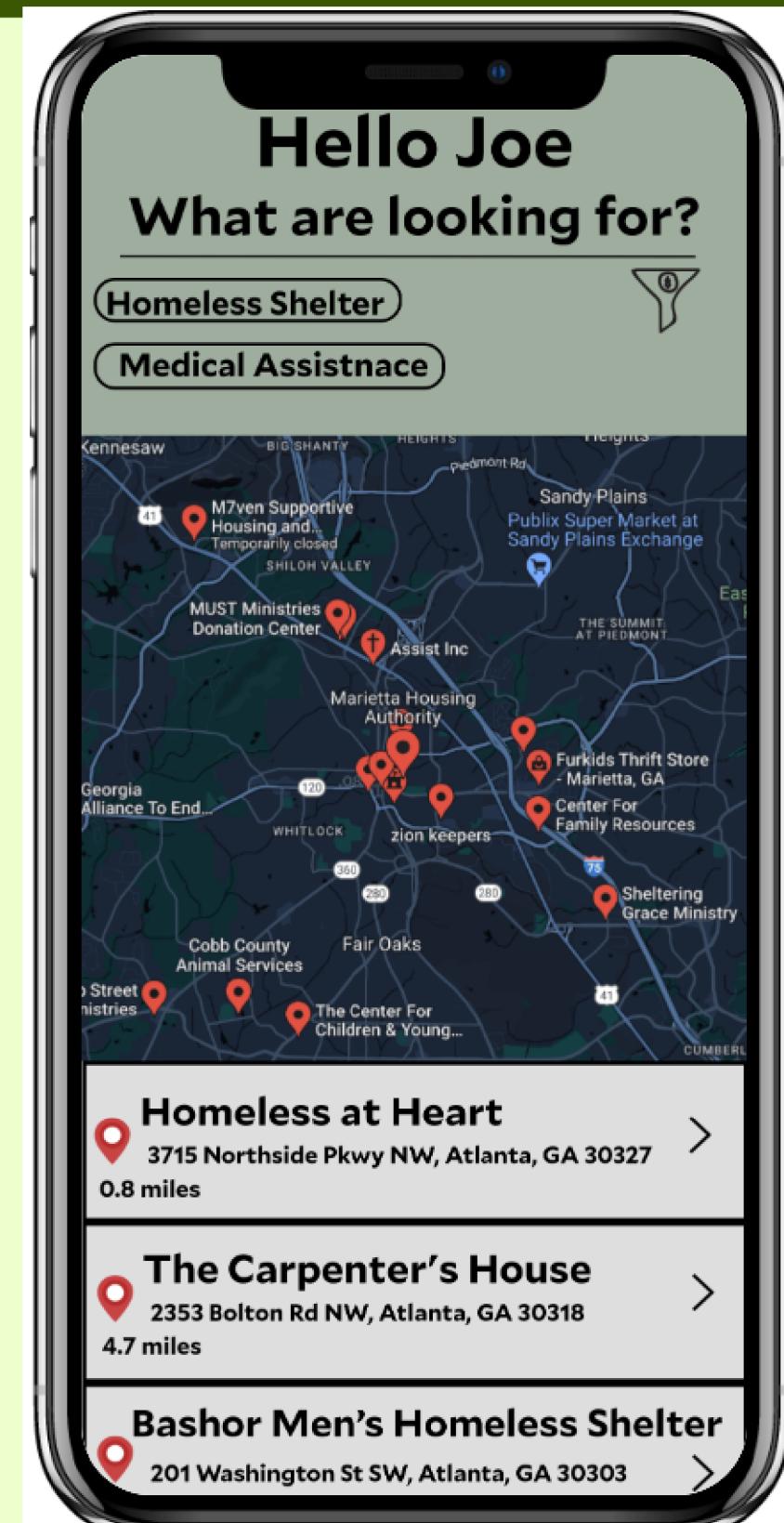
[Go Back](#)      Here's what we found!      [Logout](#)

Bashor Men's Homeless Shelter 201 Washington St SW Atlanta-GA 30303 Men Only W-M 6pm-7am This location is 88% full.	The Carpenter's House 2353 Bolton Rd NW Atlanta-GA 30318 No Limitations M-S 5pm-11am This location is 100% full.	7 Bridges to Recovery 2840 Plant Atkinson Rd SE Atlanta-GA 30339 No Limitations M-S 9am-5pm This location is 65% full.	Atlanta Fire Department Station 10 447 Boulevard SE Atlanta-GA 30312 No Limitations Open 24 hours This location is 100% full.
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# IN-APP DEMONSTRATION



# IN-APP DEMONSTRATION



# WITH 12 MORE HOURS....

- WE WOULD HAVE MADE A SMOOTHER, PRETTIER GUI
- MADE A WEBSITE TO GO WITH THE APP
- ADDED A “FILTER” TO RESULTS PAGE
- ADDED A LARGER DATABASE OF RESOURCES
- ADD MORE OPTIONS AND INFORMATION FOR VOLUNTEERS
- ADDED A PAGE FOR EXTRA RESOURCES, SUCH AS HELP LINES AND CHARITY PROGRAMS

# QUESTIONS



# THANK YOU!

**TEAM A31**  
ALEXIS MCGRUDER  
DAVID BAZAN  
JULIA JOHNSON

# SOURCES

## Statistics:

[https://healthpolicy.ucla.edu/our-work/publications/older-adults-and-adults-disabilities-california-struggle-make-financial-ends-meet#:~:text=A%20majority%20of%20respondents%20\(61.4,their%20living%20expenses%20and%20bills.](https://healthpolicy.ucla.edu/our-work/publications/older-adults-and-adults-disabilities-california-struggle-make-financial-ends-meet#:~:text=A%20majority%20of%20respondents%20(61.4,their%20living%20expenses%20and%20bills.)

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiAlY--xcKEAxXHG9AFHfXUAq8QFnoECBOQAw&url=https%3A%2F%2Fwww.pewresearch.org%2Fshort-reads%2F2023%2F07%2F24%2F8-facts-about-americans-with-disabilities%2F%23%3A~%3Atext%3DOverall%252C%2520there%2520are%2520about%252042.5%2Cccare%2520or%2520independent%2520living%2520difficulties.&usg=AOvVaw3A\\_uqluEZbryLqe6HsiGH4&opi=89978449](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiAlY--xcKEAxXHG9AFHfXUAq8QFnoECBOQAw&url=https%3A%2F%2Fwww.pewresearch.org%2Fshort-reads%2F2023%2F07%2F24%2F8-facts-about-americans-with-disabilities%2F%23%3A~%3Atext%3DOverall%252C%2520there%2520are%2520about%252042.5%2Cccare%2520or%2520independent%2520living%2520difficulties.&usg=AOvVaw3A_uqluEZbryLqe6HsiGH4&opi=89978449)

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiAlY--xcKEAxXHG9AFHfXUAq8QFnoECBOQAw&url=https%3A%2F%2Fwww.pewresearch.org%2Fshort-reads%2F2023%2F07%2F24%2F8-facts-about-americans-with-disabilities%2F%23%3A~%3Atext%3DOverall%252C%2520there%2520are%2520about%252042.5%2Cccare%2520or%2520independent%2520living%2520difficulties.&usg=AOvVaw3A\\_uqluEZbryLqe6HsiGH4&opi=89978449](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiAlY--xcKEAxXHG9AFHfXUAq8QFnoECBOQAw&url=https%3A%2F%2Fwww.pewresearch.org%2Fshort-reads%2F2023%2F07%2F24%2F8-facts-about-americans-with-disabilities%2F%23%3A~%3Atext%3DOverall%252C%2520there%2520are%2520about%252042.5%2Cccare%2520or%2520independent%2520living%2520difficulties.&usg=AOvVaw3A_uqluEZbryLqe6HsiGH4&opi=89978449)

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjF-tr-xsKEAxXg4skDHZzHA7QQFnoECBAQAw&url=https%3A%2F%2Fusafacts.org%2Farticles%2Fwho-are-our-nations-veterans-and-how-is-their-standard-of-living-changing%2F%23%3A~%3Atext%3DThe%2520Census%2520Bureau%2520estimates%2520that%2Cover%2520age%252018%2520is%25202011.6%2525.&usg=AOvVaw2I6\\_01MuUGCibQ0jw\\_BI4d&opi=89978449](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjF-tr-xsKEAxXg4skDHZzHA7QQFnoECBAQAw&url=https%3A%2F%2Fusafacts.org%2Farticles%2Fwho-are-our-nations-veterans-and-how-is-their-standard-of-living-changing%2F%23%3A~%3Atext%3DThe%2520Census%2520Bureau%2520estimates%2520that%2Cover%2520age%252018%2520is%25202011.6%2525.&usg=AOvVaw2I6_01MuUGCibQ0jw_BI4d&opi=89978449)

# SOURCES

**Graph:** <https://www.zillow.com/research/homelessness-rent-affordability-22247/>

**Persona Images:** [https://www.freepik.com/free-vector/hand-drawn-people-avatar-collection\\_5162728.htm#query=circle%20avatar&position=39&from\\_view=keyword&track=ais&uuid=6ee3b453-fcb5-4f20-8565-17dcd9aaa13e](https://www.freepik.com/free-vector/hand-drawn-people-avatar-collection_5162728.htm#query=circle%20avatar&position=39&from_view=keyword&track=ais&uuid=6ee3b453-fcb5-4f20-8565-17dcd9aaa13e)

**Logo Image:** <https://www.canva.com/features/free-stock-photos/>