

Apocalypse Survival - Food and Water Calculator

User story

The user is in need of resources to be able to survive the zombie apocalypse. They will need food and water, but they don't know how much they will need for the time they are staying locked down, but with this app they will be able to enter their role in the group and how long they are staying locked down. There are roles that everyone will take up to help them survive. Every group should have a hunter, gatherer, and caregiver. There may also have children that will need different things based off their age. Based off who they are the app will tell them what amount of food and water they will need for their time in lockdown.

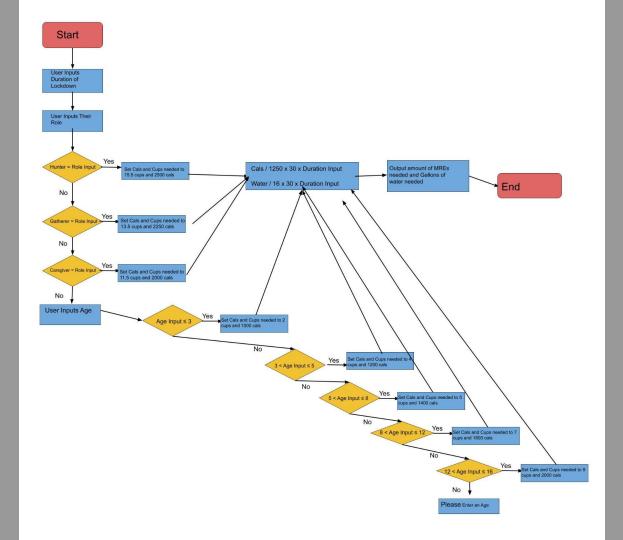
Initial backlog breakdown

From the user we need to get there name, duration of lockdown, and role. We will need their age only if they are a child.

The app will output the amount of MREs and water the person will need based off the information that they entered.

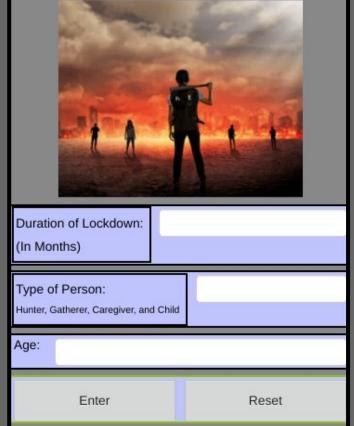
The app will get the output by taking average needs of these people and doing an equation for how long they will need supplies for.

FLOW CHART



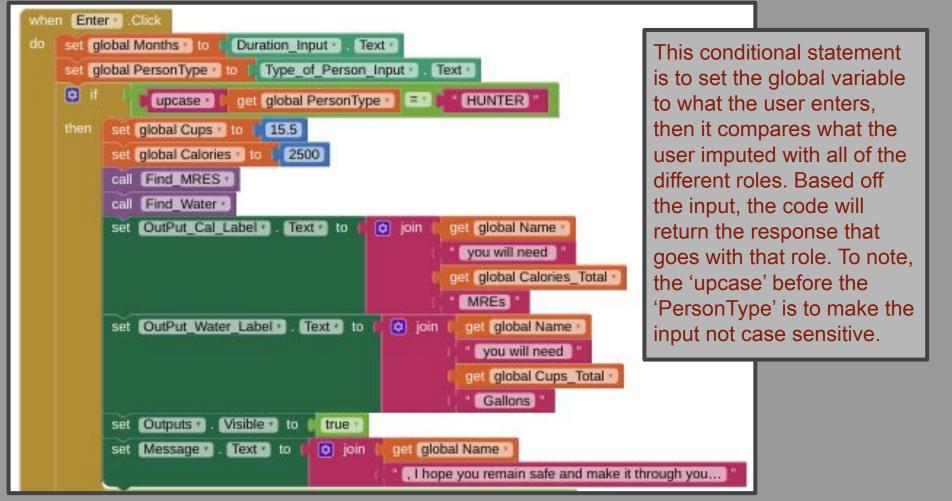
Graphical User Interface





The two images are from different points while going through the app. The first is the first thing that the user sees when they open the app and the second is after they enter their name.

Screenshots of blocks of code (explanation of what they do)



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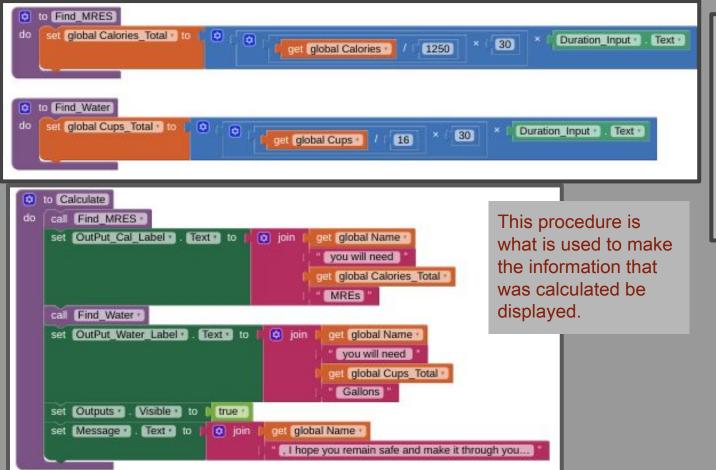


This part is from the pervious conditional statement. This block makes the age section visible for the user to enter their age because their role didn't fit the other three and would most likely be child. It also changes what buttons are visible.

This conditional statement compares the users entered age with different ages and based off the age the user enters the amount of calories and cups of water they need will be put into global variable.

```
when Enter Age. Click
do of Age Imput. Text S 3
then set global Culors to 2
set global Calories to 1000
call Calculate
else if Age Imput. Text S 3 and Age Imput. Text S 5
then set global Culors to 4
set global Calories to 1200
call Calculate.
```

Screenshots of blocks of code (explanation of what they do)



These procedures are what calculate how much food and water the user will need based of the role they entered and the duration of their lockdown.

Issues that came up for you.
What did you struggle with?
What did you want to create but wasn't able to?

Some issues that I had were when I tried to change what buttons did what and moving them around, I had to do this because at times the user would have to click to buttons to get their result, but from moving their functions, I was able to make that not happen. I wanted to add more things to give different advice based off the information the user enters and make their region something they would be able to enter.