

# ❖ Project Writeup

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**Demo Link:** NA

**Prompt:** Web Application for Mozayik Village

## Abstract

I'm part of a (real) nonprofit that needs a website to help donors see their impact on a community in need. The app would display a virtual representation of the community (this could be a data table of numbers and descriptions, or we could try to incorporate graphics), so that donors could watch it grow as they continue to fund its development in real life. (ex. if they donate \$50 towards a goat, and another user donates the remaining \$50, they can see their contribution in a progress bar, and they can see a goat being added to the village when it is fully paid for.) The nonprofit is called Mozayik Village and they are developing a plot of land to make shelter / education / basic needs accessible to Haitians who were displaced in the 2010 earthquake.



## Models

### Donor

- has many donations

- has many resources\_purchased

### **Resource**

- has many donations, belongs to a family
- has many donors

Attributes:

- integer index
- integer cost
- string type (types: truck, building material, goat,
- boolean purchased?
- image
- string description

Methods:

- can be created by an administrator
- can be selected by a user

### **Animal**

- belongs\_to Resource

### **Attributes**

- integer age
- string species
- 

### **Vehicle**

- belongs\_to Resource

### **Material**

### **Other**

### **Donation**

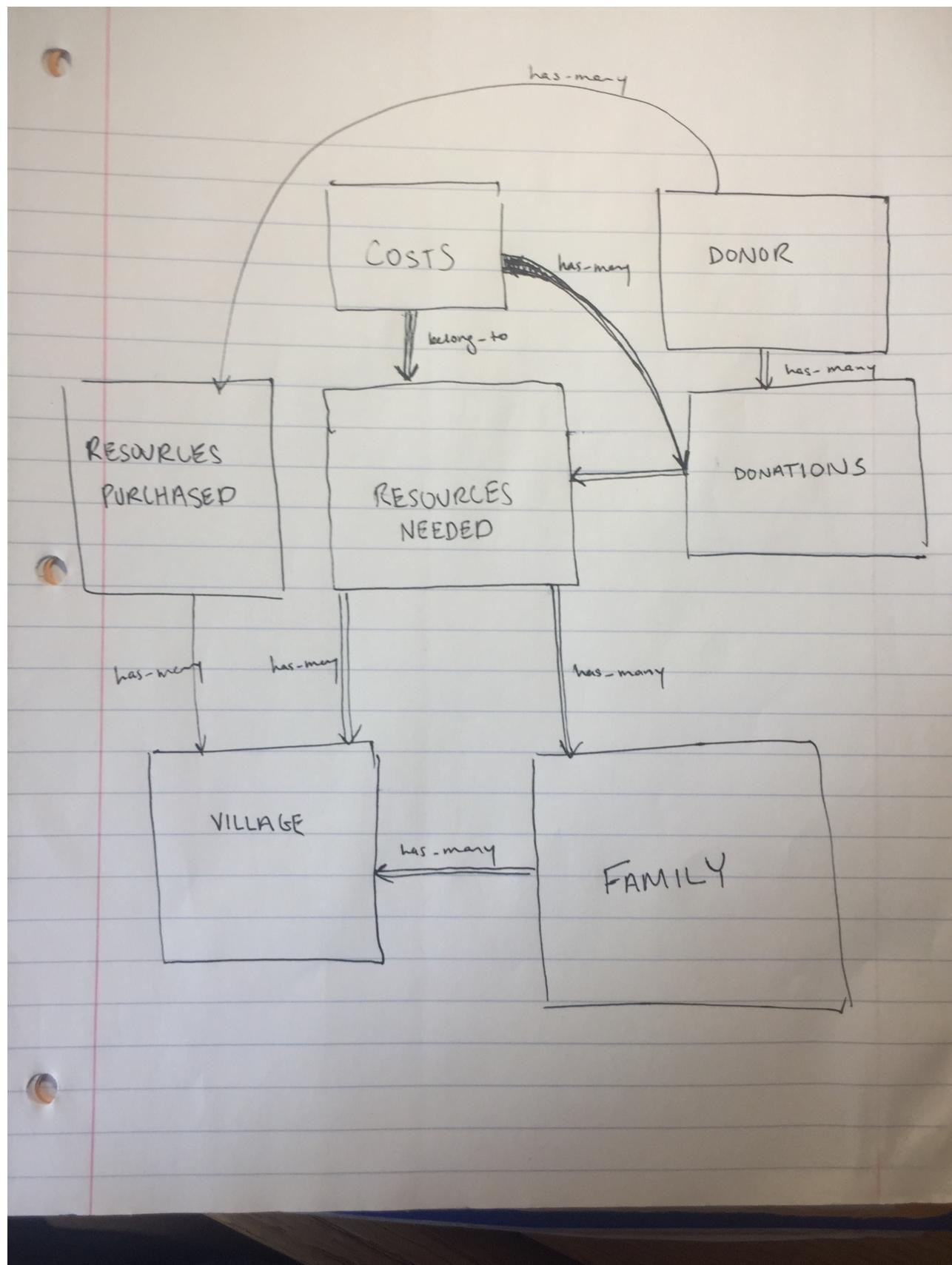
- belongs to donor

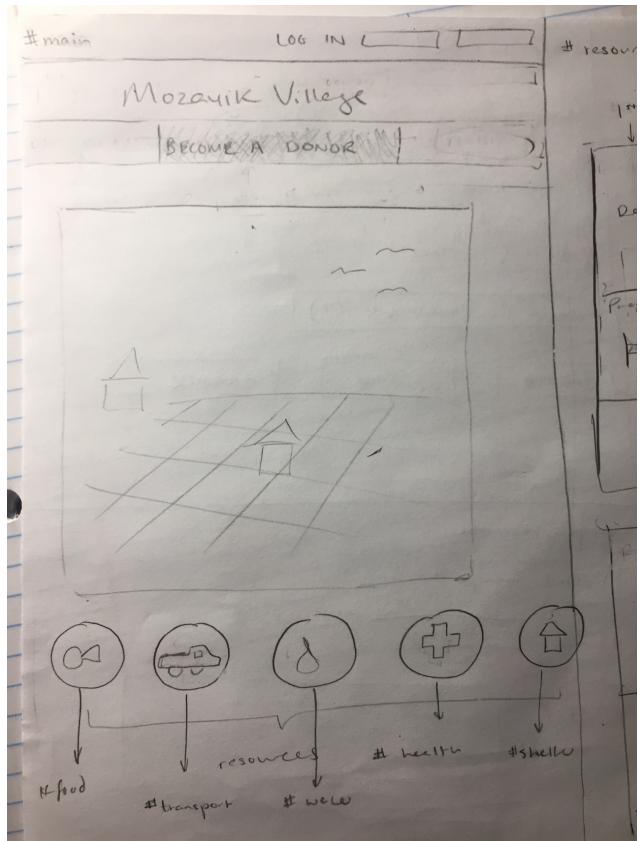
### **Family**

- has many resources
- names:arraylist
- picture:image
- needs:resourceid
- bio:text)
- resettled:boolean →

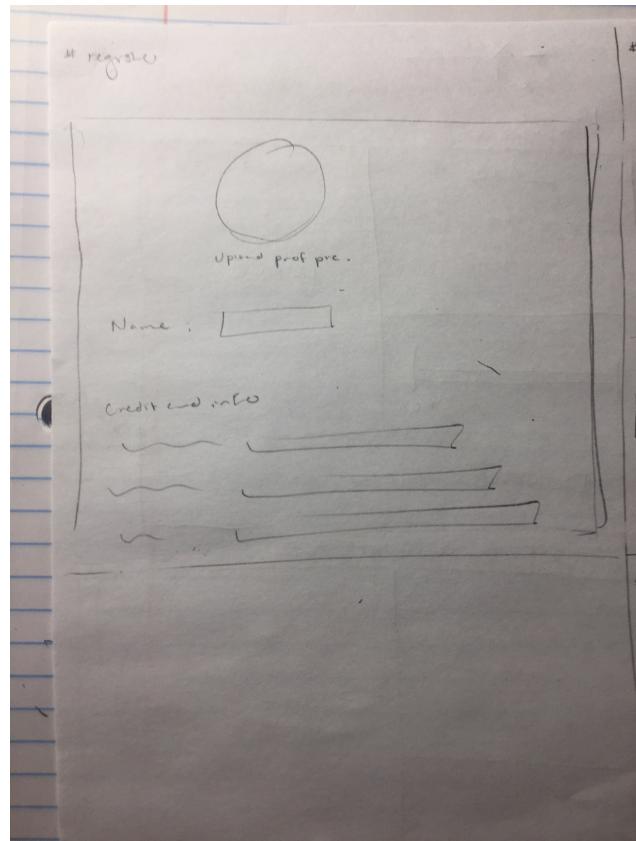
### **Administrator**

- can add resources

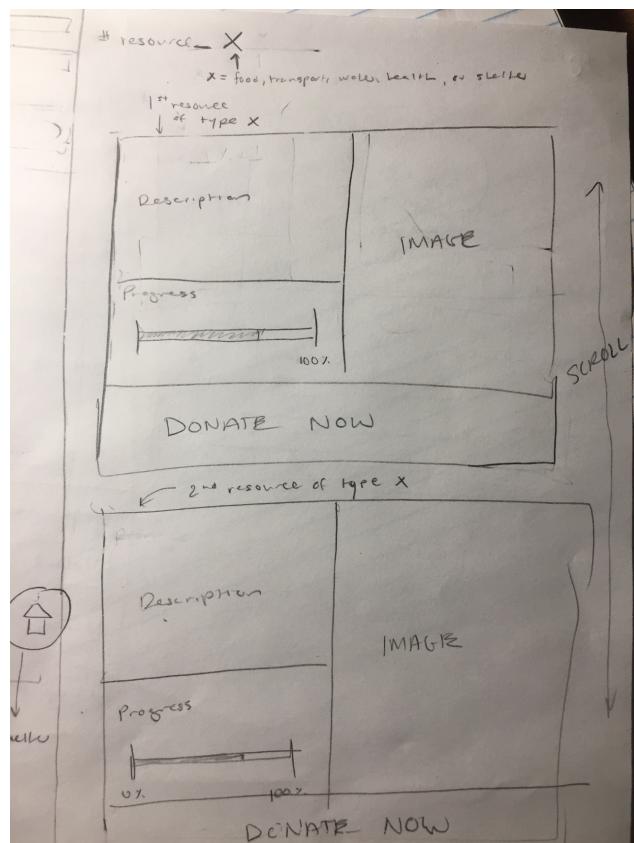
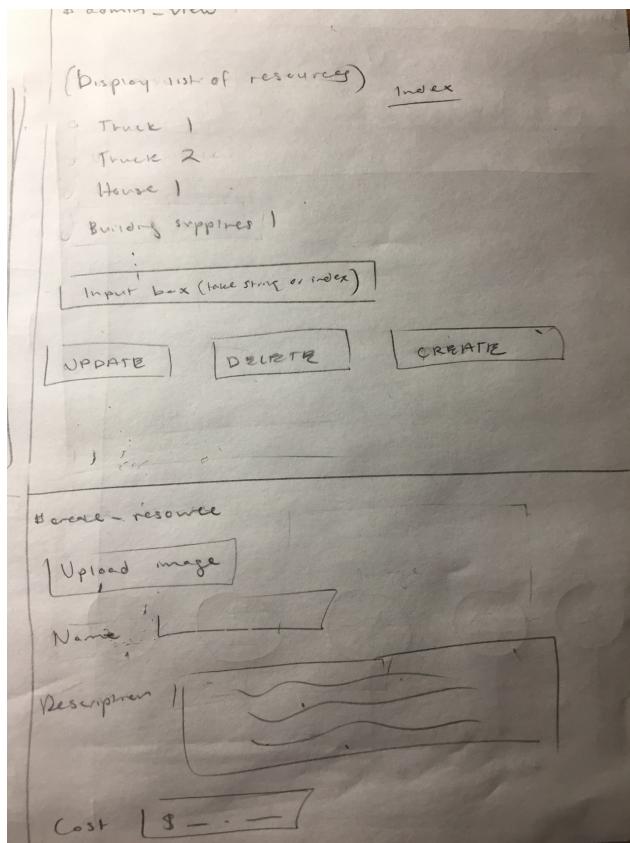




#views/home/index.html.erb



views/user/register.html.erb



views/admin/edit.html.erb

## Features

### Feature 1

- Users can log in

They can see the village

They can view the families

They can see what resources they have and what needs to be purchased

They can also donate to the village

- They can make transactions
  - Select a resource and select an amount to donate

### Feature 2

- An administrator can log in, add a resource / information about it, what family it would be used for, and why it is needed

## Division of Labor

- Dorothy: Family controller, Heroku, graphics? (3D village? progress bar? icons?)
- Johnathan: Donation Controller, styling, maybe some APIs (news API?) + google oauth
- Liz: User/donor controller

- Rachel: resources controller, devise, administrator account,
- main view (shows all resource icons)

Work queue (other responsibilities):

- database relationships
- 

## View

- Main view: shows all resources & completion
  - Icon for each resource
  - Log in/signup
  - Navigation bar
- Resource view: one for each resource
  - Image
  - Associated family
  - Donate now button (redirects to donation page for that specific resource)
- Donation view: allows user to enter financial information
  - credit card input
  - validation
  - what you're donating to
- Family view: allows user to examine specific family

## Ambition Features

- Host on a website like Heroku (5 points)
- Use Devise in your application for authentication (5 points)
- Have some styling to make the app prettier (5 points)
- Interact with an API that provides a service (Stripe, Lob, etc.) (10 points)

## Helpful Sites

<https://guides.rubyonrails.org>

## Upcoming

- Meet on Wednesday [@doc](#) 2-4pm
- Make views sketch [@Rachel W](#)
- make figma mockup [@Johnathan Z](#)
- scaffold models & figure out functions [@doc](#)
- meet Sunday 11/25, time TBD [@doc](#)
- Project due 11/27 [@doc](#)

