COMMUNITY

Donation & Services Mobile Application

FINAL PLAYBOOK

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EXECUTIVE SUMMARY

Tasked with creating a mobile app that addresses some of the extreme difficulties that arise when enduring a natural disaster, the CommUNITY app facilitates and prioritizes neighbor-to-neighbor mutual aid and relief through geo-located offers of and requests for goods and services, chat functionality, and virtual document storage. Meeting our client's list of requirements was forefront in guiding this project through ideation to implementation.

Through desk research, competitive analysis, and interviews with professionals working in the natural disaster relief space, we determined that the "big players" like Red Cross typically cover a large-scale disaster response immediately and effectively. We learned that there is an opportunity for smaller-scale neighborhood relief, especially when a disaster is damaging enough that professionals cannot immediately reach the affected area.

We concluded our research synthesis and transitioned into creating user personas of an archetypal neighbor (aka a recipient), donor, and volunteer, as well as current- and future-state scenarios for each. We then developed a feature list that accommodates persona needs, mindful of the requirements given by the client. We designed the wire flows of CommUNITY that culminated in iterations of high fidelity wireframes and annotated micro-interactions.

Throughout the process, we remained cognizant of the possibility that we are designing for individuals who may have various residency or citizenship statuses, and the app should not identify users directly, nor connect them to an app that may. We created a built-in chat feature to keep communication within the CommUNITY platform itself.

Although we designed the app for usage in a disaster, the app is not necessarily only a disaster response app; it can be used at any time. We displayed information and navigation in as straightforward a way as possible so that the user may easily complete desired tasks. CommUNITY is designed to be accessible and usable by a wide range of users, ideally fostering neighborhood connections in the process.



REQUIREMENTS

Our team approached the app requirements as though they were given by a client and used them as guiding principles through each design phase. They informed the overall look and feel of the app and in the case of the map, became home screen features. During our feature ideation phase, we ensured that each feature idea fit into one of these categories, and prioritized each feature within that category.

Design an application to coordinate community-led efforts and respond to natural disasters, which must include:

📃 Social media	integration
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	Interactive	mappino
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- A way for community organizers to view and manage volunteers, as well as track donations
- A way for community organizers to associate volunteers and donations with needs
- A way for users to volunteer and donate



PRODUCT OVERVIEW

Problem Statement

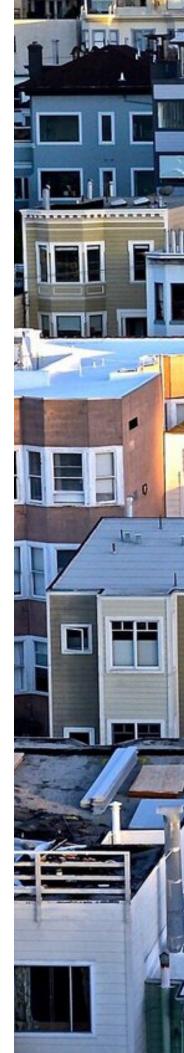
In times of community crisis, larger organizations are tasked with tackling large scale crises, while local communities are left to manage non-life threatening situations. Neighbors within a community need a way to mobilize assets, organize teams, and distribute donations to other neighbors in need.

How might we enable neighbors to form a network of mutual support?

MVP Overview

This product will focus on creating a neighbor to neighbor network that can be engaged during any natural disaster situation, with the MVP focusing specifically on hurricanes in order to keep a consistent storyline. The North-star Vision of the app is to enable neighbors to rely on community support, rather than being at the mercy of the response from large scale entities that usually provide response and relief like FEMA and Red Cross.

The CommUNITY App will enable community members to quickly organize relief efforts and respond to direct requests for assistance. It will also allow neighbors (whether they are volunteers, donors, or recipients) to pool and distribute resources, whether they are directed financial donations, donations of time and/or services, or donation of physical items like canned goods or clothes.



METHODOLOGY & PLANNING

Methodology

*Asterisked items denote required activities.

Phase	Methods	Deliverable
Discovery	 *Conduct user interviews *Analyze research Perform competitive analysis Produce a mood board 	Research Insights Presentation
	Craft a user journey*Draft personas	User Scenario Map Wireflow Diagram
Design	 Create sketches *Craft low-fidelity wireframes 	Wireframe Annotations
	 Design high-fidelity wireframes 	Clickable Prototype
Delivery	Facilitate Feedback Session	Final Prototype & Playbook

Project Plan

The CommUNITY app will come together over the course of 6 weeks. Each week will conclude with a major deliverable due by Tuesday 5pm.

DISCOVERY	Week 2	Week 3	Week 4	Week 5	Week 6
Research Insights	11.17.20				
User Scenarios		11.24.20			
Wireflows		11.24.20			
DESIGN					
Wireframes			12.1.20		
Prototype				12.8.20	
Delivery					
Final Prototype					12.16.20
Playbook					12.16.20



DISCOVERY & RESEARCH

Research & Interview Questions

The following aggregated research questions are organized by persona and guided our thinking in relation to our interviews, desk research, and persona creation.

Overall:

What happens before a natural disaster occurs? What happens when a natural disaster occurs? How do we systematically manage information from multiple sources and collaborate effectively to assist survivors, mitigate damage, and help communities recover and rebuild?

Community Organizer:

How do we engage local communities? How do we bridge the gap between neighbors in individual communities?

How do we identify high risk areas within a community? What will our time frames be for disaster assistance? What are our limitations?

Donor:

How will funds and other donations be disbursed? What information do we need to provide - tax deductibility info, other?

Volunteer:

How do I get the most up to date information for what help is needed?

How do we systematically manage information from multiple sources and collaborate effectively to assist survivors, mitigate damage, and help communities rebuild? How do I best communicate / represent my skills so that my volunteer time is best used? Is my safety ensured? How?

Neighbor:

How do we identify potential risk? How do we come up with contingency plans? How can I evaluate my preparedness for an emergency? What kind of technology, tools, and practices do I need? How will the appropriate parties be notified that I need help? How long will I need to wait to receive help? What if there is no cellular service?

Is help available for people in my network who have not registered? How?

Interview Participants

Our team conducted six 1:1 interviews, each averaging an hour to gather insight on the current state of community led efforts, Our participants ranged from first responders to PH.D students.

Tom: US Marshall

Experience in disaster response, search and rescue procedures, specifically related to hurricanes & wildfires. Main takeaway was that each disaster is unique to itself, and there are no standard responses for crisis. A tool to aid communities to support themselves is missing on the current market.

Tom: PHD Candidate, University of Hawaii at Manoa - Mutual Aid and response to crisis + pandemic. Tom helps bridge the gap between graduate students and other local residents via grassroots organizing. Biggest concern is privacy for undocumented residents and students and the disbursement of digital cash.

Lou: NYPD Sergeant, Office of Emergency Management

Member of the 9/11 emergency task force. Worked with city officials to create emergency response plans in the event of a natural disaster or terrorist attack. Biggest feedback is that many people know very little about general emergency preparedness.

Ashanti: Policy & Research Analyst A community leader who works with a variety of organizations to help provide resources to those in need. Biggest piece of advice was to enable people within the community to know how to access and operate various provided services.

Maggie: Campaign Manager Community organizer with 12+ years of experience in campaign management

Noted how important it is for your data to be correct to ensure that your message is heard and reaches the correct audience. Advice was to keep track of donations to build a user base.

Meg: Red Cross, Regional Manager of Volunteers, Colorado

Expert in volunteer management and deployment strategy, budget and finance, focus on wildfire response Highlighted that Red Cross response was immediate. Biggest challenge is public's perception of what donations may or may not be needed.



DISCOVERY & RESEARCH CONT'D

Key Interview Findings

Our questions followed a traditional disaster timeline which addressed preparation before an event, the disaster event itself, what the organized response looks like, how volunteers are managed, and how donations are managed and distributed.

We filtered the interview data into four main categories.

Community Awareness of App

- If holding in-person events, it's important to find creative ways to draw in community members to increase app awareness and downloads, i.e. with food vendors.

- Important to retain users to facilitate convenient peer-to-peer sharing of resources.

Communication is critical.

- Who has evacuated? Who needs what and where?
- Easy implementation is key because users may be in a time of crisis or disaster.

Increase in peer-to-peer interactions

-There are no "cookie cutter" situations; priorities can and do change based on disaster or nondisaster, type of need, location, neighborhood, etc.

-Important to focus on non-life threatening situations so that those in dire need can be cared for by trained specialists.

-Critical to consider technical issues where folks may not get notifications, see the app, or have internet connections. How might we find creative ways to reach them?

Increase in Donations

- Key to donations is ensuring that they are easily facilitated, and if online, easy to use on multiple devices.

- Recurring monthly donations are important to grassroots organizing.

 Important to consider how need for donations is communicated while balancing safety considerations (such as advertising that you have many resources to share while not stating your specific location.)



DISCOVERY & RESEARCH CONT'D

Competitive Landscape

Completed a competitive analysis across direct and indirect competitors to understand the current market.



C8 Coordinate: A global community designed to connect individual donors with individual victims. Donations can be financial or material.



Federal Emergency Management Agency (FEMA): A national government agency designed to provide emergency relief in the form of managing and disbursing grants.



Citizen: A free, large city app (currently in 20 cities) designed to increase transparency between the city and its residents by providing real time, live updates.



Meals on Wheels: A semi-global donation based service that provides food to the elderly and those in need.



American Red Cross: A national response service designed to quickly respond to emergencies by providing services such as clean water, shelter, & food.



Salvation Army: A semi-global, Christianbased space intended to train for community assistance by providing food, emergency relief, rehabilitation services, clothing, and shelter.





National VOAD: An association of organizations that mitigate and alleviate the impact of disasters by providing forums, promoting collaboration and coordination.



Next Door: A semi-global community where neighbors can borrow and sell items, exchange recommendations, and read the latest local news.



Findinas

The emergency response ecosystem is saturated with top-down models, and models that fuse the different approaches necessary to address the extreme disparities in the scale of effects of foreseeable and unforeseeable emergencies. Through research and interviews, we discovered that overlapping capabilities and areas of responsibility mitigate the consequences of any single organization's failure and diversify the types of services provided.

Market Opportunity Identified:

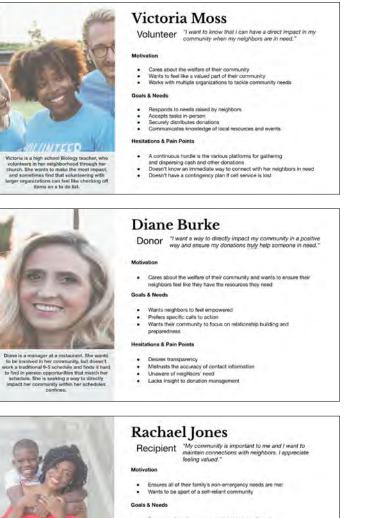
The opportunities to impact the crisis space are at the poles of crisis mitigation. Individuals struck by a crisis who are in need of support can dial 911 and wait for assistance from government agencies, but that channel of mitigation can be overwhelmed. However, during an event where survival is uncertain, victims are unlikely to have the mental clarity (and perhaps not even the technological capacity) to seek rescue by sorting through a vast catalog of non-profit agencies and NGOs. Alternatively, hyper-localized and passive functionality present opportunities to enable neighbors to offer one another mutual support in modalities that are impossible for larger agencies to replicate.

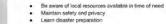


SYNTHESIS

Personas

Through our research and synthesis, we pivoted our focus into the Neighbor persona. With goals constantly changing for an individual household, we identified 3 role-based personas that are common for a neighbor in a community. These personas would guide the design of our MVP and help us align our focus on the core function of the app.





Hesitations & Pain Points

Unaware of local resources and services Limited internet access No current way to submit a direct request & receive a local response



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SYNTHESIS CONT'D

Journey Mapping

Next, we focused on journey mapping through the lens of the identified role-based personas, the research conducted was used to inform a *current state hurricane response as well as a future state hurricane response.* We created a timeline which includes a "blue skies" period before awareness of a natural disaster, through to the events that occur after the disaster has occurred for both the current and future state journeys. Throughout these journeys, we integrated our three user personas and their involvement with the app, the disaster, and each other. These steps helped us identify potential areas of need and feature opportunities.

Current State

Disaster Type:	erstanding to	Duay's disasi	er response	Journey
Milestone	Disaster Preparation	Disaster Approaching		
Step	Increase Awareness	Get Prepared	Helping Out	Late Preparation
Persona	Volunteer	Volunteer	Donor	Recipient
Doing	The smuch hurricane seasor is apercaiding and Victoria is actively informing ber existing the no. Lot building then hurricane sits with works, butteries can cannot goods. Victoria from that her noighbors are waintly delived in their engineers for the disastin reason. While cancessing her neighbors' homes, the pilot shares's fandous with the intergence provide designated for execution out of the city.	As the first hurticlaw is announcid for the season, Victoria boards up her vindowr to minimum damage (a) and have an effort and damage the season of the season do hits same. As the network home with more vapaline for the huriclaw fit is the calls the policit of react the homeless that are in need of sheller.	The news resinity is mounced that the humicane is increasing is userably and will impact throatened of kines. Write care for fair sommaulting Daire calles major relief organization is denote throaty to their eliteriti following the sterms' (insect,	With the announcement of a (stonger hurricane binding in heim than 12 hours, Rechael nutries to the above to gather water and canned goods to heliter in glace at neme with her son. Unfortuneary, all th stores due stops at any but of welve and canned, goods.
Thinking	I want to manimize the disarter's meant on my commonity.	What might my mighting mmid Blat they do not already have or have access to? What might I need that I do not annoty have or have access to?	What is the must such a type of densition to mitigate the expected effects of the horricane?	She is wondering low sim is going to previde for her tamily in the immediate future if she can't access these supplies for a write.
Feeling	Care and curreldention for neighbors hope that efforts will aid others	Mix-of-ansiety, Intercontents, and hope that preparations, will be sufficient:	Caubicus, sommer helpful conserved	Panii: and fear, worry
Opportunities	EARly alert reighbors with preparation guides for seasonal disasters	Foster a community far neighbork to meet and build trust with each other	Streamine local collection efforts Advertise last minute collection drives	Alert heighbors to the resources available at local stores.

Part 2 of 2 Understanding today's disaster response journey

Personasz Neimine (Volumber Clamber 5 Steelprent)

Milestone	Impact	Search & Rescue	Initial Response	Larger Response
Step	Disaster Occurs	Awaiting help	Decides to help	Community Response
Persona	Volunteer	Recipient	Volunteer & Donor	Volunteer & Recipient
Doing	Al the human posites lookful, Victoria shellow 34 been inductive community hashed by vicida and historia. All egy sums and human sets the first transition of the any local solates and meetings her lood and water society.	Evens in a flood zone, Ratteelt normal to patitive Rooded Lausing damage to all of an analysis beginging on the first local all the human Universit of what that GA Racel and Ferrism more up to the isocate floor of the home anwaiting the science to ensit	As the rain and kinds begin to aid bit everyone begins to assess the current staudion. Ferturently, Watch and Dane were not heavily impacted by the hermicraft (begins and winds, With exits summed juscid and with butters in storing (blue others) the items for advances to be mergine deviced and with the terms for advances to be mergine deviced and the store for advances to be mergined and and the store for advances to be mergined and and the store of the commanity service to help attem and distibute resources to the community.	Upon amini to the neightenhand community factor, Victor is assigned the take 34 download statistation there to make the many which will be statist approxima- the goods to produce type in the size. Sales that day, there are a statistic to community coefficient and the dual into a temporary statement this more to noted to take. Upons Vectors impression gathere include upons Vectors impression gathere include the Upons of the size to an extension of the Upons of the size that are back to the shorter.
Thinking	What is the damage to my person, honse family. Trionds, neightions? hope everyone is alay.	Rachael is wordering if the water will records. How long will the ground floor of her hore to immattade? Will the focuse be fixedis? Will the water and fixer be immatted with motid? brit safe to go outside?	What is the most remesiate need that I i.in help with?	Diane wooders it they are in the right place at the right time, Rachael is very goodful for the towided assistance
Feeling	Fightened, warried	Relief and uncertainty.	Tropidation to see how much damage has been done and how the humicane has attested neighbors, friends, family, sell; apropers, and care to fix the damage	Suddenend by the damage to commonity; beauty and strongth to rebuild
Opportunities	Inform commonity of non-digital commonication channels to ensure nughbors (by informed of imparture) synthesis	Communicating with neighbors to assess what is going on in her immediate invironment.	community board to connect there who are below with these who have excess and are willing to share. Also continuiny board for these tonking potential wryles they rund, the bearing a faller tree.	Finding a way to best sort through and distribute donations quarkly and proper for gov (org / agency - motorer (like FEMA, Red Creek, etc.)



SYNTHESIS CONT'D

Future State

Crisis State	Disaster Preparation								
Step	Baseline Awareness								
Persona	Volunteer	Volunteer	Volunteer	Volunteer	Donor	Danar			
Doing	Vintoria R a local representity volutions propining her- neightorymouthing for the occurring hardcare testion- vities and hardcare testion- vities and to construct the she is able to party always and poor measurem-	Version sinces the Community Provail is come- or reach was to be religibles and while theme about the first inservance of the season that is tog approximations and emission to an except along when the post and emission has a code, along work the protein and emission to a linear about when the community of the line investigate area	As Victoria femilital har post, she notice an updition to share har consolvin'ly post to har social media accounts, she descript in do this to fer missage and information about the neurocene can match a within audience.	Victoria alio isotien à Respone L'écury within comminitry intervenie sin can exican konset ind englisser en caran konset available intervent.	Dison is destant, for home to prep for forme to prep for the function of and the demailed a fine terms, one may a surplay of that she take to domain an energibbors in rund.	Done gathers her sum and puts them as her parage She then tas the lines to also her her some registers when when an insure of larent that may be helpful aduring the hermicane work as flavlunges, Baraker, and water bottlar. Quine addit her allo code to the HL so them his mat can use here to also a human from them.			
Thinking	This will be the first year she uses countUNITY to help her neighbors	If there will be any history using the typ or any points of confusion	This a great way to get mensages out to farge groups.	Educated and propored	In the past, Diane wouldn't be size whilt to do with these itimic	Diane is hoping her processe approach val be able to help her neighbors in need.			
Feeling	A sense of urganicy to leftern and prepare neighbory: socient for see bow the commitment of a set boy will help.	Elated that so far the process has been sample	Agamterst	Panic and Mar, worry	Helpful and kepenul				
Opportunities	Single Sign On Enable rangitions to navity unboard and sign on to the commUNITY app	Peec2Peer Cosm/UNITY Board : a single location for migroom to identify, ensue and view requests, as well as and volunteer services Interactive Map - Interactive Maps allow mers- to simplice volunteers are located	Easy Share Link - Allowy regulatory to share User volumeter devices and doubtion mounts to wider sudience	Climited Resource Library - A repository of preparatives which and inks based to group which area -	Single Sign On Enable mightions to early priceard and sign on to the torsmitNITY age	Donation Tab. Entitle's dovations of goots and lines to explain carb and new your loc donations of motory. Interactive Map. Memotive Maps allow users to the flow close comps are located			

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Crisis State	Disaster Approaching					Disader Imminen
Step	Disaster Preparedness					Late Preparation
Persona	Donor	Recipient	Recipient	Recipient/Danar	Danar	Volunteer
Doing	An Diane finaliton har linding, while motions like unition to siline this information its here unitial media accounts. She decides to do so, so her message can reach as many mighbors as possible.	Ruchani receives notifications via the commUNITY and frami Victoria reporting frame sensitive, internations about the impeding furnicane and fram Dario regarding items she is unarring.	Pactual votices that Dance have few entra flashlights and in just in two blocks www.She uses the commUNITY messaging service to reach out to Diane and see if the still feat an estra flashlight available.	Rachani and Diana an able to connect via Um Connect via Um Rachael is able to rooke a fashight prior to the furnicane approaching	Durne rockstne her durustion leding to remove the labitional flashlights dhe had.	Victoria kas und through the resources and identified extra fair for the mightness. The update: her post on the preceptered community. Board and encourages has meightons to used through the Canado Resource Jahray for last musice tops and help on how to safety as through a numere tops and help on how to safety as through a numere top and help on how to safety as through
Thinking	1	She has teen traivailing and hasn't had time to prepare for this humans. She peny Diard's port to see it there is anything, the wight be in mean fol.	It would be great if she could meet with Diano for the witra floatvight.		Durine is hearing her projective approach will be able to belie incr men Name in const	Event though the resources are in the app, some neighbors may not have read them and it could be received in draw their admittion be specific ones.
Feeling	Accomplianed and then the weil actually be able to hole www.ecom	Husternii urgenpanel, het jestenii for the historial neighboes, despite increasing them for estrant panels at time.	Gestion is			
Opportunities	Easy Share Link - Allows real/block to share their volunteer vorvers and donation reparts to wider Judence	Peer/SPeer CommUnitY Board stopp to almonton to comptions to perifying create units your trace of at well to lead volunteer services	CommUNITY Chair - Excelets court provinity convertations was Budteotil technology	ControlUNITY Chat Enables Cosier propriatify conversations with Bluetooth (cchnology	Donation Table Environment dama borns of goods and marks to popular cash age sensions for donations of marries	Per/2Per/CommUNITY Baard: a simplification for on others to Unstity, cruste, and write reports, as well as und valuement tervizes. Clusted Resource Library - A reportiony of perpendices articles and trips based on perpendices articles and trips based on

Crisis State	Disaster imminent	Disaster Occurs			Disaster Passes		
Step	Late Preparation Sheltering & Awalting Help				Initial Response	Community Response	
Persona	Recipient.	Volunteer	All	Recipient	Volunteer	Donor	Donor
Doing	After successfully acquiring an here the needed. Rochail theritim to girlely excite exampling in control of the second second action on the examination of the second second action and decides to read Unough the resources the host suggested.	Victoria Metts neighbors that the hardcone is now ammuching and they seculate to the Convolution the Convolution of the Convolution of the convolution of the convolution of the seculate to the fluore of the pisch of the upstand by semiany.	While shettering in plane, respirators sue the CosmrAHHTY app to determine where help to located and if it is nearby.	Richael uses the CommUNITY log to part on the Year2New ConstUNITY Deart Ted here is key build be can say a true han faither on the can. See wort the also to three anywhere for anywher is lower her homes for anywher.	the Foer2Peer CommUNITY Board and offers to come and take local the following day. He	Dennis sens Mictorius posi- on the Sacial musici, account registrille, d'he hasticame they work expecting. Dennis free- haurs away bat citans hear post tie con any suchates and concernise if anyona media hear.	Uppricatelying the lark and repering the CommUnitY app. Durink (elicide) to make a domation like his previous Vennis on avoid and anywei has an actue member in his previous ventilis on avoid and well put the member is and other for inter any analysis of the second for the second second and for the second second second second for the second second second second for the second second second for the second second second second second second for the second second second second second second second second second for the second second second second second second second second second for the second seco
Thinking	Londonbly showed have valuationed this earlier, but britter late than recver	The Build chill will be crucial in Incoving with needs held		Not save what to do, Perhaps recipition can help remove but of give hor white to her perents who live in an area that sustained less domine.	Glad the wickloy and warms to finite.	He was aware of the humanic and wares to her when 3 merced	If will far easier to denote money, for regains than thy to travel to help. He each theta Victoria to can this money for good
Feeling	Overwhelmed 6x1 more prepared	1	-	Scared and confused.		Carlous	Concerned and Reipful
Opportunities	Peer2Peer CommUNITY Board - a single facation for neighbors to identify, assues, and view inquests, as well as lend volunteer services Curated Resource Library A repository of prequiredness articles and lists loaned for peergable and	ConsulUNITY Chat Encodes clearer provinting convertiations with Biurtooth technology	Interactive Map Interactive Maps allow users to sign how close denors are located. Also allows for grotagging of food and water victions set up by FEMA, Ret Cross. Inc.	Peer2Peer Commi/INITY Board - a single liculate for neighbors to adamthy, created, and view received, an well as lend volunteer tervates	Peer2Pier CommUNITY Board - a single location for neighbors to identify, coale, and view requests, as well as lond valuations vervices. CommUNITY ChatEnables Colore available conversions with illustrach technology.	Easy Share Link - Allows neighbors to share their velutions rervices and downline requests to willer audience:	Denution Tab - Enuties dosations of goods and finits in oppose cash app verviews for denutions of money



SYNTHESIS CONT'D

Ideal Feature List

We maintained a "big ideas" document to identify and track potential opportunities for post-MVP features as we conducted our research. The idea of 'The Vault' came during this stage, which we integrated into our MVP. Many of these ideas were generated directly from our interviews or gaps in service we identified during our user journeys. The following list represents the ideas we identified as the opportunities with the most reach and potential.

Social Media Integration

- 1. Easy Share link
 - a. Enable neighbors to REQUEST DONATIONS and VOLUNTEERS
- 2. Community Chat
 - b. Enable CLOSER PROXIMITY CONVERSATIONS with Bluetooth technology
- 3. Single Sign On
 - c. Enable neighbors to easily on-board and sign-on to the community

Interactive Map / Mapping

- 1. Location & Safety Status Updates *powered by Bluetooth
 - a. Enable SHARING OF LOCATION AND WELLNESS STATUS to the community app and connected social media accounts.
- 2. Interactive Maps
 - b. GEOTAG FOOD / WATER stations set up by FEMA/Red Cross, etc

Volunteer Management

- 1. Peer2Peer Community Board
 - a. IDENTIFY REQUESTS for services
 - 2. CREATE REQUESTS for services
 - 3. ALLOW USERS TO VOLUNTEER

Donation Management

- 1. Donation Tab
 - a. ENABLE DONATIONS OF GOODS
 - b. ENABLE CASH DONATIONS via the popular cash app services

Recipient Usage

- 1. Curated Resource Library
 - a. Create a REPOSITORY of preparedness articles & links based on geographic area b. Create a CATALOG OF LINKS to larger organizations once they are deployed
 - in their community
- 2. Secure Digital Storage
 - a. Create vault to STORE LEGAL DOCUMENTS such as proof of home ownership, copies of ID's, etc in case they are lost





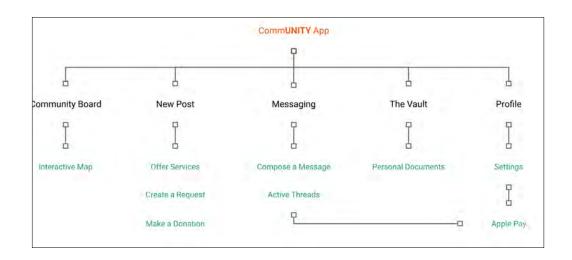
Guiding Concepts for the MVP

Prior to designing the solution, we ideated and prioritized concepts that would help bring the required functionality to reality in the MVP release of CommUNITY. We also incorporated an additional feature to help bring differentiation to similar competitors.

Social Media Integration	Donation Management
Enable neighbors to share posts with social media channels	Enable neighbors to identify requests for donations and create posts for donating goods
Interactive Map	Digital Storage
Enable geotagging of posts offering services, requesting help and making a donation	Enable neighbors to store digital copies of legal documents in case they are lost during a disaster
Volunteer Management	
Enable neighbors to identify requests for services and create posts for offering services	

Information Architecture

Bringing together the guiding concepts, the sitemap informs the architectural design and user flow of the experience. This created a framework for our user scenarios, wireframes. and later our high fidelity prototype.

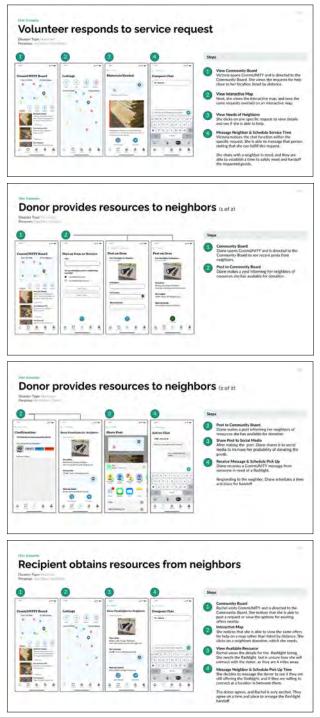




DESIGN CONT'D

User Scenarios

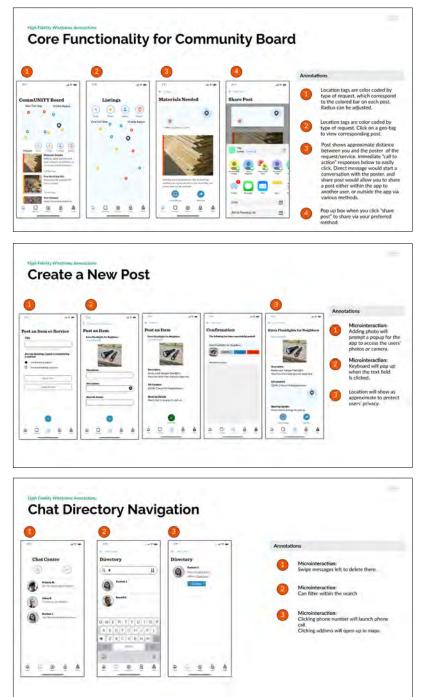
We organized key high-fidelity wireframes against the users flow to visualize the neighbors' journey through their role-based tasks. These wireframes depict the happy paths, key feature sets, as well as annotations for describing the experience.



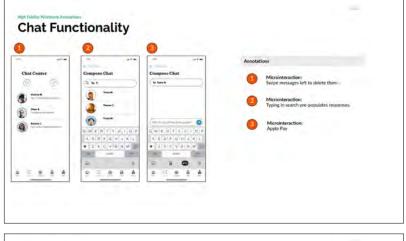
DESIGN CONT'D

High Fidelity Wireframes + Annotations

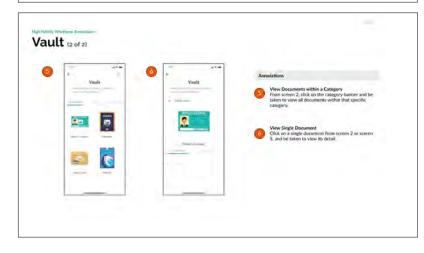
Based on the MVP guiding concepts and site map, we designed the first draft of high fidelity wireframes with feature annotations. These wireframes depict the happy paths, key feature sets, as well as annotations for services and micro interactions.



DESIGN CONT'D





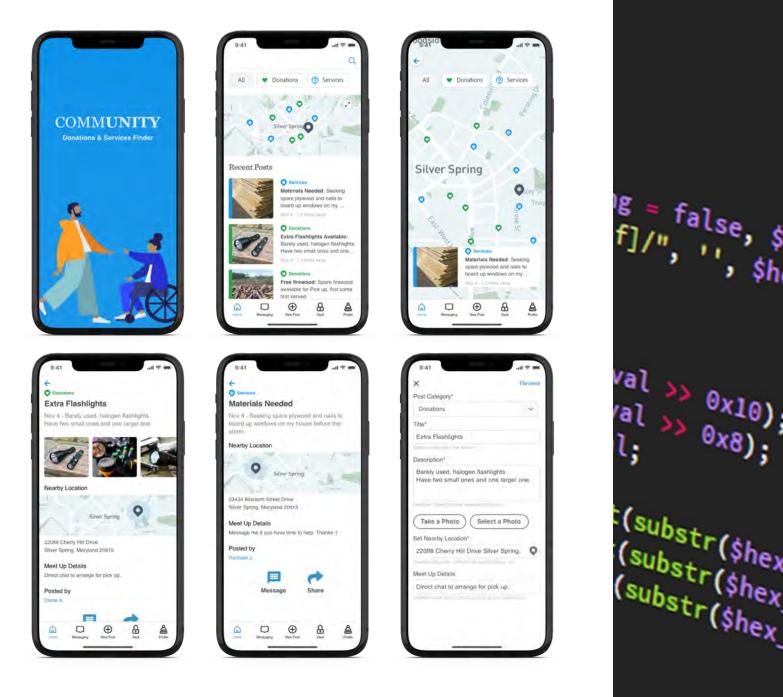




PROTOTYPE

Final Prototype

After 2 internal rounds of feedback, we landed on our final high fidelity wireframes. We organized the frames into a polished prototype, complete with links and micro-interactions. The prototype encompasses the user flows for all 3 role-based personas: volunteer, donor, and recipient and is ready to conduct user testing.



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PROTOTYPE

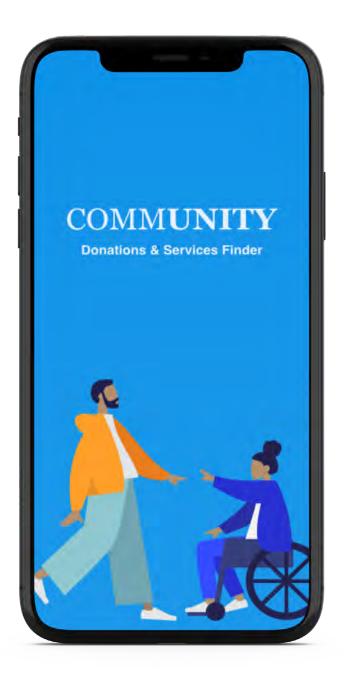


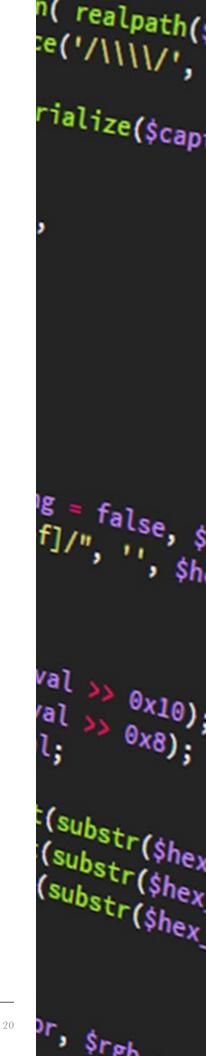
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PROTOTYPE

Final Prototype Link





NEXT STEPS

User Testing of Current State Prototype

We organized the wireframes into a high-fidelity prototype. The prototype encompasses the user flows for all 3 role-based personas: volunteer, donor, and recipient. Testing will follow for overall ergonomics and specific tasks per user type based on the following questions:

Volunteer

Task: Reach out to a neighbor in need

- 1. How would you start a chat with your neighbor?
- 2. How would you find a neighbor in need near you?
- 3. How would you lend yourself to your community via this app?
- 4. How would you share a post to social media in order to increase exposure?

Donor

Task: Create a donation list

Task: Share your donation post to Twitter

- 1. How would you donate an extra item/items you have around the house?
- 2. How do you know what resources your neighbors are in need of?
- 3. How would you conduct a search to see if a similar item has 4. already been donated or requested?
- 5. How would you share a post to social media in order to gain more views?

Recipient

Task: Find a nearby donation for a flashlight Task: View your digital driver's license

- 1. How would you search for an item you need?
- 2. How would you create a post for something you need if it wasn't already available?
- 3. How would you show proof of identity if you lost or didn't have access to your hard copies?
- 4. How would you contact the donor you need to get in touch with?



NEXT STEPS CONT'D

MVP to Full implementation

Future iterations of the app would include "nice to have" features that were not feasible to explore within the initial 6 week time period, such as:

Bluetooth-enabled messaging

This feature would alleviate overburdened cell networks in time of disaster, or in the case that they're not functioning at all by allowing instant messaging with neighbors within close range.

Resource & Supply Calculator

Estimates a persons potential survival time based on their current provisions (like food and water). These estimations will be based on nationally accepted preparation guidelines and recommendations per type of disaster.

Community Awareness Library

Deposit of articles and literature to help the community prepare early for natural disasters and to lessen the workload of the community organizers after a disaster.

Insurance Discounts

Offered as an incentive for neighbors to download the app.



APPENDIX

Links to Project Resources

Mural Board Google Drive

Week 1 Creative Brief

Week 2 Presentation

Week 3 Presentation

Week 4 Presentation

Week 5 Presentation

Competitive Analysis

Journey Map - Current State & Future State

Interview Notes & Questions

Research Synthesis

Research Synthesis + Personas (Week 2)

Feature List

Whimsical Site Map

Link to Final Prototype

