

A Step in the Right Direction

Out Without Doubt

Matthew Tominaga 02480686

Graduate School of Web Design & New Media Final Review - Original December 12, 2019 at 11:00 AM Academy of Art University

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POLICE INCIDENT CSVS

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SECTION 01

PRESENTATION

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AUTOBIOGRAPHY



Hello, I'm Matthew. I'm a

Graphic/Web Designer

and

Photographer

based in SAN FRANCISCO, CA.

My name is Matthew Tominaga and I am studying at Academy of Art University for a Master's degree in Web Design & New Media. I am a true native of San Francisco, born and raised and still currently living in the city. I graduated from University of San Francisco with a Bachelor of Arts in Graphic Design and a minor in French Studies. At USF, I learned a little web design and this new degree will further my knowledge in design and can take me to new experiences. I also went to St. Ignatius College Prep, which is important to me mainly because of the city that I live in and the connections that I can make down the road.

After graduation from USF, I've had trouble securing a full-time position. Most of the work for graphic design has been volunteering, which leads to freelance or part-time work. I was able to secure a job a graphic design position at ICA Cristo Rey Academy through networking and high school connections. But currently, I am in search of a new job. After seven years of graphic design at ICA Cristo Rey, I was laid off due to budgeting reasons. I am continuing with my volunteer service as a graphic designer and photographer for the International Ocean Film Festival creating digital and print marketing material and taking on small contracts while I search for a new position. Originally, my plan was to apply what I learned at Academy of Art to my work at ICA Cristo Rey, but now I will be able to apply my new knowledge to my future career.

When I finally graduate from Academy of Art, I want to be a UX/UI Designer, Visual Designer or a Front End Developer. At my Midpoint Review, I stated that I was interested in becoming a motion graphics designer, but after completing the advanced motion graphics class, I found I am not capable to succeed in terms of illustration. Through my final project, I have gained more knowledge in mobile app creation, AngularJS and javascript that I now feel comfortable becoming a UX/UI Designer, Visual Designer or Front End Developer.



EDUCATION



Academy of Art University

M.F.A. in Web Design & New Media

San Francisco, CA

2015/2019 expected

University of San Francisco

B.A. in Graphic Design, Minor in French Studies

San Francisco, CA

EXPERIENCE



ICA Cristo Rey Academy

San Francisco, CA

Media Designer
Graphics/Publications Designer

2016-2019 2015-2016

2008/2012

Freelance Graphic Designer

2012-2015

Marketing Intern

Aug 2012-Nov 2012

I had a few title changes over the course at ICA Cristo Rey. Created departmental publications (i.e. magazines, newsletters, invitations, signage, brochures, powerpoint/keynote presentations) working solely in Mission Advancement and branching out to other departments in the school. Photographed all special events including galas and special luncheons.

International Ocean Film Festival

San Francisco, CA

Volunteer Graphic Designer/Photographer

2013-Present

I design printed material, i.e. postcards, posters, invitations, programs, etc. for the festival and other events. I photograph the gala and film festival events.

Shark Stewards

Berkeley, CA

Graphic Designer/Volunteer

2013-2015

Designed a pro-shark t-shirt, a postcard banning shark finning and social media icons detailing reducing consumption of shark fin soup during Chinese New Year.

Able Services

San Francisco, CA

Graphic Design Intern (Paid)

2011-2012

Assisted Creative Specialist in designing brochures, invitations, business cards, flyers, proposals, and other print material. Assisted Payroll in creating documents as print & electronic fillable PDFs.

SKILLS



Graphic Design | UX/UI Design | Typography | Print Design | Front End Developing Branding & Strategy | Logo Design | Photography

WHAT I USE



Adobe InDesign CC | Adobe Photoshop CC | Adobe Illustrator CC | Adobe Premiere Pro CC Adobe After Effects CC | Brackets.io | Ionic Creator | Microsoft Office | Macbook Pro



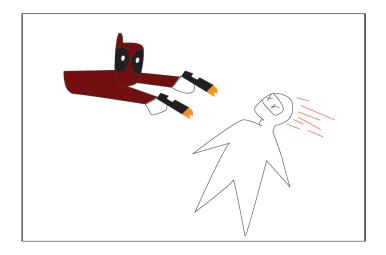
Louis' Restaurant Website

WNM 601: Inside Programming

Fall 2015

https://matthew-tominaga.com/AAU/Assignments/ WNM601/FinalProject/final_Home_Tominaga.html

Shows drawing and slide cut to next scene



Deadpool Intro in After Effects

WNM 643: Interactive Design & Concepts Fall 2016

https://matthew-tominaga.com/AAU/WNM613.html (scroll to the bottom)



SAMSUNG 4K QLED TV WEBSITE DESIGN PROPOSAL

Presented By Cherryl Susara • Nick Robinson • Trang Nguyen • Matthew Tominaga • Ryan Goulart Zhile Zhang • Sandra McNair • Yu Rou Wu • Micalyne Zimmerman Decagon Design Studio Website Design Proposal

WNM 610: Balancing Creativity & Profitability Spring 2019

https://matthew-tominaga.com/AAU/WNM610.html

Decagon Design Studio Website Design Proposal

WNM 610: Balancing Creativity & Profitability

Spring 2019

https://matthew-tominaga.com/AAU/WNM610.html

As a member of Decagon Design Studio, our group project was to create a website design proposal for the Samsung 4K QLED TV. Featured pages of my own work are: Proposal pages 12, 54, 55 | Client Survey pages 3, 4.

As Vice President, Branding and Strategy, Matthew heads up research on customer insights to optimize brand awareness and drive sales growth. Matthew provides expert leadership in terms of market research, competitive analysis and brand strategy to create a highly successful brand message. He is expert at finding effective solutions to various branding challenge using a variety of design principles.



PERCEPTION / TONE / GUIDELINESSAMSUNG QLED 4K TV REDESIGN

WHAT DOES THE TARGET AUDIENCE THINK AND FEEL ABOUT THE COMPANY AND CURRENT WEBSITE?

Samsung's target audience wants innovation and design to reflect in their products. The website adheres to the audience by being user-friendly and intuitive with modern design elements. The drawback of the current site is the inconsistent theme between pages. Also, not all of its products are featured on the homepage, which can lead to confusion.

HOW SHOULD THEY FEEL ABOUT THIS NEW WEBSITE?

The user should see connectivity between pages from home page to category page to product page. Navigation between pages will be easier to find so the user can follow their bread crumbs through their history. The redesign of the website also formats the most important content to fit into the frame of the screen that the audience is using.

ADJECTIVES USED TO DESCRIBE THE WAY THE WEBSITE AND THE COMPANY SHOULD BE PERCEIVED BY THE TARGET AUDIENCE

Adaptive. Authentic. Clean. Compatible. Consistent. Engaging. Informative. Innovative. Intuitive. Modern. Organized. Professional. Quality. Relevant. Trustworthy. User-Friendly.

SPECIFIC VISUAL GOALS FOR THE WEBSITE

The website should provide the user with informative content, but it should also visually provide a clear and user-friendly approach to navigating throughout the site. Larger buttons, splash images, centered tabs, and well spaced text will help convey the consistency between the pages as well as keep the user engaged in the website.



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ELEVATOR PITCH

Out Without Doubt (OWD) is a native application to safely guide users throughout any major city by method of foot travel. OWD will alert the user of potential hazards and caution them to take appropriate steps to avoid the situations. Data can be accessed in the application, which is updated daily based on the local police's criminal activity records.

THESIS OVERVIEW

Out Without Doubt (OWD) is a native application to safely guide users throughout any major city through use of navigational mapping and data collected through city government's open data networks. Through this app, users will be able to navigate through a city while staying aware of recent crimes that have happened in the past month. The objective for this app is to inform and alert the user and not to deter the user from going out or exploring the city. Users of this app are required to create an account so that they can access its features. Some of the features included in OWD are the main navigational map, a list of maps broken down by criminal categories, and a way to update the map based on an event witnessed or occurring at the moment. Each map has markers placed based on the current data by the local government or police where the user can tap and view information about the event. The marked events are color coordinated for better distinction among the different crimes.

STATEMENT OF INTEREST

From where my project currently is to where I first introduced the concept at the Midpoint Review, there have been some subtle, but obvious changes. At the Midpoint Review, the concept was called Waddle SF with an image of a penguin walking down a path with the San Francisco skyline in the background. I described a thesis project as a mobile-first responsive website to primarily guide tourists to their destination by the safest and flattest route situated only in San Francisco. Featured in the website would be a crime statistics page where users interested in seeing crimes could view them by different categories. This idea came about from news reports of tourists getting killed for camera equipment and the spike in car burglaries throughout the city at major tourist attractions. After the review, I was given the task to not make this project only about the negatives of crime and instead focus on how to inform the user about recent events and not be "you are going to get robbed if you go this way."

The project, now named Out Without Doubt or OWD for short, is a native application built in Ionic and Angular JS. Because the app has been built in Ionic Angular JS versus jQuery or Bootstrap, the app will perform better and visuals will be better looking. Through rounds of revisions, the original concept is still active in the final outcome. Users will be able to create their own navigational route and see past crimes that have happened on their route. The goal to alert the users of each crime that had happened as they travel down their path will be saved for a future goal. Users will also be able to view crimes by category as well as improve the data by adding a recent event that occurred or witnessed.

The plan for this project is to eventually make the app a national app and hopefully someday, a global app. Currently, the app is located to the San Francisco Bay Area. This will require accurate and current data which would need to be updated on a regular basis. By making this project more that a San Francisco app, it will bring awareness and bring safety to many people.

USE CASE DIAGRAM 1

Safely Going Home at a Certain Time

As a teacher working in an area known for gang vandalism, I want to be safe when traveling to and from work.









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Storyboard



Andrea just finished teaching and wants to go home.



Street gangs have been tagging the area fighting for control of the neighborhood.



Andrea wants to avoid the conflict so she opens up OWD.



She goes to the Map and enters her information.



The Map shows her route home.



Before she heads out of the building, she opens Recent Incidents to make sure there is no problems going home.



Andrea exits out of the school.



She heads out while referring to her phone to guide her safely home

USE CASE DIAGRAM 2

Post an Event After Hours

As a doctor working the night shift (7pm-7am), I need to alert any other medical staff and patients about the drug dealing outside across the street.





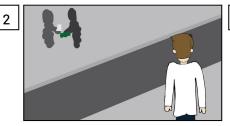




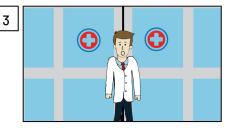
Storyboard



Doctor Bob comes out of the hospital at midnight for a break.



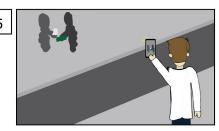
Across the street, a drug deal is happening.



Doctor Bob is suprised and puzzled that the event is happening next to the hospital.



He looks at his phone, opens OWD to post the event.



He takes a photo and uploads it to the app.

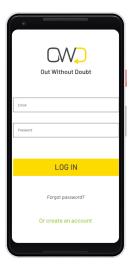


Doctor Bob shows an expression of relief and safety as he looks at his phone.

USE CASE DIAGRAM 3

Go Home During an Active Shooter Situation

My school just got taken off of lockdown because an active shooter was at a neighboring building. Even though the school is off lockdown, I am still shaken up and I want to avoid the situation near me.











LIVE PROTOTYPE DEMO

Click or type this link to preview the prototype:

 $\frac{\text{https://appery.io/app/mobile-frame?src=https://appery.io/app/view/13b7e833-f450-4da1-a8e3-fef12ccb2c32\&type=mobile}{\text{type}}$



STRATEGY & RESEARCH PROCESS

USER STORIES



ANDREA M.



KRISTINE C.



JERICKO G.

Occupation: Religious Studies Teacher (High School)

Age: 42

Location: San Jose, CA Technology: Apple iPhone 8

Bio

Andrea is a high school religious studies teacher in San Jose, CA. She commutes to the school from her home by Caltrain.

Story

Andrea is a religious teacher for a Catholic high school in East San Jose, a tough neighborhood known for vandalism, violence and theft. As a commuter with no car, she has to experience and witness some of the illegal exchanges. She can use OWD app to create a plan to safety go to work and to go home.

Occupation: Accounting Graduate Student

Age: 26

Location: Daly City, CA

Technology: Apple iPhone 10

Bio

Kristine is a 1st-year accounting graduate student at San Francisco State University. She currently resides in Daly City and commutes to school.

Story

Kristine is currently attending SFSU for a Master's in Accounting. Being in an open campus means that there are always liabilities and safety concerns. It happened that while she was in class, a person with a gun entered her campus. After the ordeal, Kristine can use OWD app to find more information about the incident and find a way home.

Occupation: Respiratory Therapist

Age: 29

Location: Oakland, CA

Technology: Samsung Galaxy S9

Bio

Jericko is a respiratory therapist for Kaiser Permanente in Oakland, CA. As an on-call specialist, he works different hours depending on the days.

Storv

Jericko has been assigned to the 12-hour night shift (7pm-7am) during his first week on the job. He is unfamiliar with the Oakland scene and hasn't gotten is bearings yet. On his first night, he witnesses a sketchy scene and wants to alert others using Out Without Doubt.

STRATEGY & RESEARCH PROCESS

MINIMUM VIABLE PRODUCTS (MVPS)



Description: Out Without Doubt is a native mobile app that helps users avoid

high crime areas.

Single Benefit: Makes traveling safer.

Single Target Audience: Foot traffic/bicyclists

Single Technical Feature: Interactive markers with data information



Description: Sometimes a crime happens in front of you. That's why you can

alert others through OWD.

Single Benefit: Keeping up to date with current data.

Single Target Audience: Victims or witnesses of crimes

Single Technical Feature: Real time posts



Description: With the amount of data already collected, law enforcement can

use the app as a visual guide.

Single Benefit: Enforcing/patrolling areas of high crime

Single Target Audience: Law Enforcement (Police)

Single Technical Feature: Ability to view crimes by category or all at once.

STRATEGY & RESEARCH PROCESS

TARGET AUDIENCE

- Foot Travelers (anyone able to walk) or Bicyclists
- Age: 15-60
- They own and use a smartphone or mobile device with cellular connectivity.
- · They have been a victim of theft or know someone who has been a victim of theft.
- They are aware of their surroundings when traveling out on the streets.

AUDIENCE INTERVIEWS

Ouestions

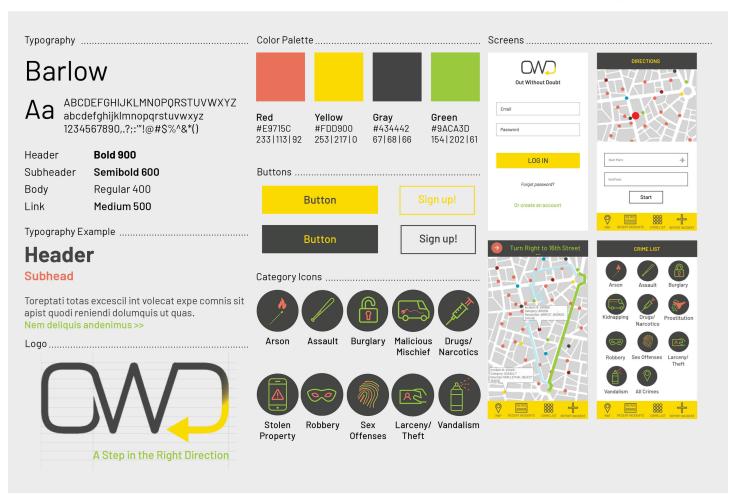
- 1. What emotions motivate you (fear, anger, happiness, etc.)?
- 2. What directional/GPS apps do you use? Why do you use ____ app(s)? What stands out in this app?
- 3. How often are you aware of your surroundings (i.e. people near you)?
- 4. Suppose you were alone, wandering in a new city, what challenges do you think you would face and can my product help you with these challenges?
- 5. What are your biggest objections to using my product?

Key Points

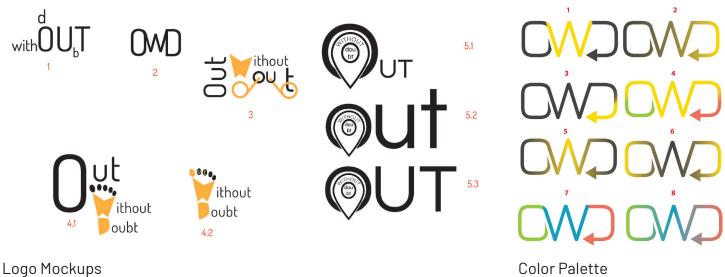
- Consistent design especially with directions & vital information
 - Landmarks, bus system
- Translate language for foreign uses
- Include time, distance, bicycle vs. walking options



UI Style Guide



LOGO PROCESS



LOW FIDELITY WIREFRAMES

Built in Adobe XD











HIGH FIDELITY WIREFRAMES

Built in Adobe XD











CLICKABLE PROTOTYPE

Built in Adobe XD

https://xd.adobe.com/view/9f28fb4b-d21e-40b4-403d-6869c78c39c2-e919/

PAPER PROTOTYPE TESTING

Scenario with tasks and before/after

Four Rounds of Testing: Two in Spring 2018 | Two in Spring 2019

Prototype Testing 1

Scenario

As a college student stuck in the library studying into the late hours, I need to alert any other students about the homeless outside.

Task 1

You will need to alert others through your account with the app.



Tester 1: Nicole

Age: 18

Occupation: High School Student

Prototype Results 1

Conclusions

- This is the second time Nicole has taken this test (photo from 4/13/18)
- "I like the new design. It looks more put together like something I would use."
- Would like icons instead of a dropdown list of crimes when selecting in the Post Event page

Paper Prototype Test 1 - Spring 2019

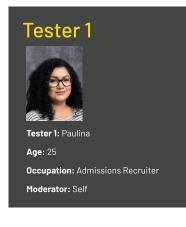


Header: written directions with dropdown of upcoming steps.

Markers are colored by crime.

Fastest route highlighted first with options in

For future updates: include person icon for gps location of where you are to the map, travel time tool for route options



Scenario 1

As a doctor working the night shift (7pm-7am), I need to alert any other medical staff and patients about the drug dealing outside across the street.

Task

You will need to alert others about the drug dealing through your account with the app.

Scenario 2

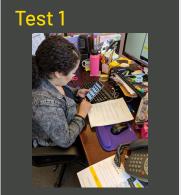
As a teacher working in an area known for gang vandalism, I want to be safe when travelling to and from work.

Task 1

Find the safest way to and from work

Task 2

Search up information about vandalism that is local to your area.



Conclusions

Scenario 1, Task 1

Look at Citizen App - ability to upload videos, categorized by GPS location, view count and emoji reaction options

Suggests changing from post event to recent events with posting capabilities

Scenario 2, Task 1

Method of completion was through Crime List. Suggests having a directional map per crime category.

Scenario 2, Task 2

Method of completion was through Crime List. No suggestions.

Paper Prototype Test 2 - Spring 2019

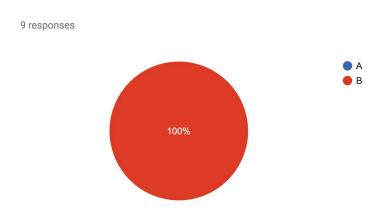
Test 1: Before & After Scenario 1, Task 1 I'm considering removing local news and replacing it with recent incidents based on Paulina's suggestions. The nav bar will be Map, Recent Incidents, Crime List, Report Incident.



A/B TESTING

UX testing based on visuals of wireframesPrimary conducted in Spring 2019 using Survey Monkey

REPORT INCIDENT PAGE



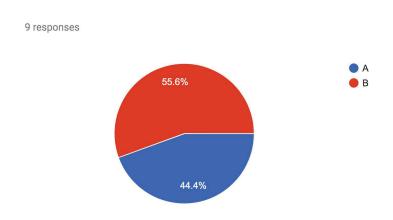
- I like seeing the maps with red dots highlighting incidences in area
- I like the various choices
- I like seeing the locations of incidents laid out.
- It makes it look more official. It give an idea of location and event.
- · The red circles draw me into the format

REPORT AN INCIDENT Type of Crime Assault Burglary Kidnapping Description Update



- The button to Report matches the title at the top
- I like the dots that show where things are happening
- · Red dots draw me in.
- Term report

MAP ROUTE PAGE



- the extra box isn't needed...it takes up more map visibility/space (B)
- mode of transportation is very obvious (A)
- 'A' has the extra box for walking or biking and it's not necessary if I'm en route. It's more helpful if I'm setting up my mode of transportation. (B)
- gives you a choice of a route by walking or by





bicycle.(B)

- A reminder of which I'm using?(A)
- Less cluttered. (B)
- I like how it shows how you are traveling (A)
- Bc of options- walking & bicycling (A)
- Distinction of walking or bicycle seems unnecessary (B)

TECHNICAL PROCESS

PHASE 1

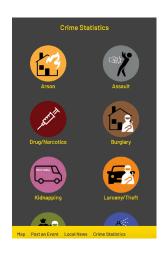
Hybrid Application with Google Fusion Tables

At the first stage of project building, Out Without Doubt was a hybrid application built on Purecss.io framework, which is similar to Bootstrap except the grid is either by fifths or twenty-fourths. The project also had a different layout of pages including a local news page where the user could find news and information based on the city in which the user was located. The maps were to be built in Google Fusion Tables and Google Maps API, but it has now been dissolved and Google Maps API requires a fee to use its features. Local news was to be imported as an rss feed, which has become outdated and therefore, the local news feature in OWD was removed.









PHASE 2

Hybrid Application with OpenStreetMaps and geoJson

After the dissolving of Google Fusion Tables and the pay-to-use requirement of Google Maps API, the next step was to find an alternative with similar principles. GeoJson features importing CSV files with correct latitude and longitude coordinates to create custom marker maps or heat maps. GeoJson works with OpenStreetMaps to display the data.

PHASE 3

Ionic Creator with OpenStreetMaps and geoJson

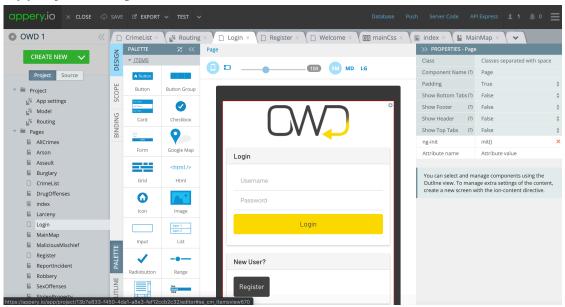
Realizing that Academy of Art University allows native app creation, Out Without Doubt became a native app instead of a hybrid application. The first software found to be useful was lonic Creator, an online app builder with compatibilities in both iOS and Android and required a monthly subscription. lonic Creator built apps in AngularJS, a form of javascript with abilities to alter the code in HTML and CSS. Unfortunately, the technical aspects of lonic Creator proved too difficult as OpenStreetMaps and geoJson had problems with connectivity. OpenStreetMaps account login also failed to work and the use of its APIs never occurred.

PHASE 4

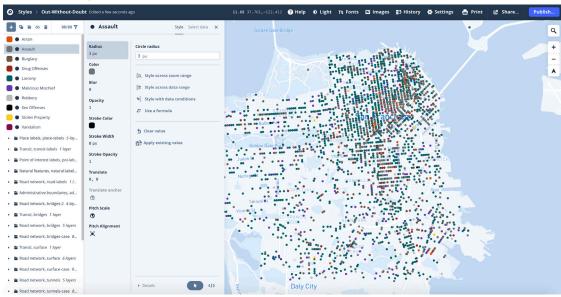
Appery.io and Mapbox

Appery.io, similar to lonic Creator, is another app builder with an annual fee to use more of its advanced features. Some differences about Appery is that buttons and navigation were fixed and some adjustments needed to be made to the wireframes. But, Appery also provided docs and examples to create a working native application, where lonic Creator failed to do. Seeing that OpenStreetMaps and geoJson failed in Phase 3, a new mapping source, MapBox, became the source of displaying data. Similar to geoJson and OpenStreetMaps, the use of MapBox is completely free. Mapbox is similar to Google Maps API in that Mapbox has its own APIs and example doc pages. Appery features an html widget to add custom html, but it didn't allow full html from <!DOCTYPE html> to </html> so the work around to getting the app to feature Mapbox maps was to create the html pages, upload it, and <iframe> it back into Appery.io.

Appery.io Design Creator



Mapbox Style Creator



ANALYSIS & CONCLUSIONS

ANALYSIS

I am happy about how my project turned out. I would like it to be closer to how I designed my wireframes, but during the coding process, I found that the language required to code my project was too advanced for me. A part of the script that I found as an example to install waypoint navigation was a SDK, which I never worked with before. I already knew that from earlier classes that what I wanted was advanced javascript or java and I had to alter the project so at least it could perform.

From the start of designing Out Without Doubt to where it is now, I am amazed at how many hurdles I had to overcome. First, it was the deprecation of Google Fusion Tables in early 2018. Then, Google Maps API was no longer free. Next, I couldn't access OpenStreetMaps APIs and geoJson's Github downloads weren't connecting with the custom OpenStreetMap. Then, I had to deal with Ionic Creator and the lack of support and docs to help me continue with the program. It wasn't until about 2 months ago that I found MapBox and Appery.io that finally, I had two working programs. Connecting the two was worrisome as time was winding down, but I managed to think outside and link the two through using my personal website to host the html pages.

CONCLUSION

What to do after the review?

Besides finishing classes at AAU, my goal for this project is to learn more about java and AngularJS so I can improve OWD. One of the biggest changes that can made for this project is the ability to update data automatically. I know that it's possible. DataSF has an export feature called Soda API, which I want to learn more about to see if I can apply it to my project. The area that I wanted to code and make it work was the ability to show the user that when they are in the vicinity of a recent crime, it will alert them through a pop-up. This is the advanced code that I will need to learn and if I do come across this advanced language, it will benefit me in the future.

PROJECT LINKS

Proof of Concept: https://docs.google.com/presentation/d/1iM0RX5uZFHnDwUDbPNrVhfcdeS_pTq3izEep0XwEPAM/edit?usp=sharing

A/B Testing: https://docs.google.com/presentation/d/1S3yDvDKRDyrJhmpYJChlCZYwtur30HxU1clfn7lYsC8/edit?usp=sharing

Paper Prototype 1 Spr. 18: https://docs.google.com/presentation/d/11ccpKqtjLDbc3_1shKcRF46e48ZYufFQc-FcWbSxX6k/edit?usp=sharing

Paper Prototype 2 Spr. 18: https://docs.google.com/presentation/d/1JBReAXQ0zBPR3KyftQdljWv9Kj6gicNA9BxlffYujJQ/edit?usp=sharing

Paper Prototype 1 Spr. 19: https://docs.google.com/presentation/d/11Y9HStNFA8-zFD09D8uYtsUkW57lH7M9ovvS8fYS9TQ/edit?usp=sharing

Paper Prototype 2 Spr. 19: https://docs.google.com/presentation/d/1c8Zal-GEICyOd-x4f610P7KBwsWMPVXcnsG8PvLloFY/edit?usp=sharing

Audience Interviews: https://docs.google.com/presentation/d/1ibMWqkWi-ZB69j4BcXrB4GPGbeJDQhe 03XhVaR0VNXI/edit?usp=sharing

MVPs: https://docs.google.com/presentation/d/12xcBIY8GHcpRNBCEG2cwQiNHI35yL3pc4UkSQkGjkiY/edit?usp=sharing

Personas: https://docs.google.com/presentation/d/1VLmoZjE7nt7wD01jmPTjkCSaYSmQegJGAPVaNxSs m9A/edit?usp=sharing

Low Fidelity Prototype: https://matthew-tominaga.com/AAU/thesis/project/index.html

Clickable Prototype: https://xd.adobe.com/view/9f28fb4b-d21e-40b4-403d-6869c78c39c2-e919/

BIBLIOGRAPHY

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- "CrimeWatch Past 90-Days." City of Oakland. Data.oaklandnet.com. N. p., 2019. Web. 5 Dec. 2019. «https://data.oaklandnet.com/Public-Safety/CrimeWatch-Maps-Past-90-Days/ym6k-rx7a/data»
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SECTION 02

SUPPLEMENTAL CONTENT

25 POLICE INCIDENT CSVS

SUPPLEMENTAL CONTENT

POLICE INCIDENT CSVS

Open Data

All crime incident reports are exported from the city government's open data website. Not every city has open data or doesn't regularly update so not all cities can be reported. Listed in this project: San Francisco Open Data, Oakland, CA Open Data, Marin County Sheriff Open Data. Also, some cities do not categorize data as well as San Francisco. For example, Oakland doesn't separate their latitude and longitude from the address, which requires manual separation from cells in the csv so MapBox can read the coordinates to plug points onto the map.

Arson Data

Date	Time	Day	Incident Nun	Category	Description	Resolution	Address	Lat	Lon	Location	1					
11/4/19	2:40	Monday	190833264	Arson	Arson of Veh	Open or Acti	03RD ST \ M	37.7858292	-122.40149	POINT (-122	.40148983	36418	53 37.7	858292	1318811
11/4/19	14:01	Monday	190834488	Arson	Arson, Attem	Cite or Arres	OFARRELL S	37.7858929	-122.41215	POINT (-122	.41214750	7802	54 37.7	858929	2711297
11/5/19	6:30	Tuesday	190838452	Arson	Arson	Open or Acti	EXETER ST \	37.7213025	-122.39901	POINT (-122	.39900693	30004	45 37.7	213025	2269158
11/5/19	23:11	Tuesday	190838963	Arson	Arson	Cite or Arres	FRANKLIN ST	37.7812864	-122.42219	POINT (-122	.4221867	1763	73 37.7	812863	8629654
11/8/19	1:49	Friday	190844998	Arson	Arson of Veh	Open or Acti	GILMAN AVE	37.7203491	-122.39187	POINT (-122	.39187034	13734	77 37.7	203490	9845266
11/8/19	16:14	Friday	190846502	Arson	Arson, Comn	Open or Acti	HEMLOCK ST	37.78728	-122.42002	POINT (-122	.42001957	74741	74 37.7	872800	2558399
11/10/19	4:10	Sunday	190859282	Arson	Arson, Attem	Cite or Arres	SACRAMENT	37.7933149	-122.40664	POINT (-122	.40664329	955410	02 37.7	933148	7931458
11/10/19	4:10	Sunday	190859282	Arson	Fire, Unlawf	Open or Acti	SACRAMENT	37.7933149	-122.40664	POINT (-122	.40664329	955410	02 37.7	933148	7931458
11/10/19	17:05	Sunday	190851636	Arson	Arson	Open or Acti	VAN NESS A	37.7957371	-122.42341	POINT (-122	.4234130	6436	12 37.7	957371	0834212
11/10/19	17:05	Sunday	190851636	Arson	Arson of Veh	Open or Acti	VAN NESS A	37.7957371	-122.42341	POINT (-122	.4234130	6436	12 37.7	957371	0834212
11/12/19	22:58	Tuesday	190858256	Arson	Arson	Open or Acti	HAYES ST \ L	37.7743588	-122.44275	POINT (-122	.44275486	6619	37.77	435883	162946)
11/12/19	23:35	Tuesday	190858381	Arson	Arson, Inhab	Cite or Arres	ALAMEDA ST	37.7681779	-122.41073	POINT (-122	.4107307	18583	34 37.7	681778	6907554
11/14/19	13:55	Thursday	190862382	Arson	Fire, Unlawf	Open or Acti	JACKSON ST	37.7960248	-122.40665	POINT (-122	.40665235	3357	32 37.7	960247	4908684
11/14/19	22:35	Thursday	190863681	Arson	Arson of Veh	Open or Acti	GOUGH ST \	37.7764158	-122.42288	POINT (-122	.4228827	13706	51 37.7	764158	1671472
11/15/19	3:31	Friday	190869485	Arson	Arson, Atter	Cite or Arres	WAVERLY PL	37.794198	-122.40682	POINT (-122	.40682123	171909	94 37.7	941979	5647214
11/15/19	3:31	Friday	190869485	Arson	Fire, Unlawf	Open or Acti	SACRAMENT	37.7933149	-122.40664	POINT (-122	.40664329	955410	02 37.7	933148	7931458
11/15/19	4:15	Friday	190864009	Arson	Arson of Veh	Open or Acti	HOLLISTER A	37.71974	-122.39242	POINT (-122	.39241823	315029	97 37.7	197399	4820435
11/16/19	9:28	Saturday	190867019	Arson	Arson	Open or Acti	SUNSET BLV	37.7350234	-122.49401	POINT (-122	.49401487	781510	05 37.7	350234	1252475
11/19/19	0:39	Tuesday	190874274	Arson	Arson of Veh	Open or Acti	QUINT ST \ (37.7302664	-122.4027	POINT (-122	.4026982	198832	28 37.7	302664	27237)
11/20/19	3:25	Wednesday	190877375	Arson	Arson	Open or Acti	05TH ST \ CL	37.7806991	-122.40392	POINT (-122	.40392088	328028	35 37.7	806990	4857322
11/23/19	22:50	Saturday	190889370	Arson	Arson	Open or Acti	CAMELLIA AV	37.7292695	-122.43233	POINT (-122	.43232627	793886	58 37.7	292694	5831337
11/24/19	12:32	Sunday	190889706	Arson	Arson	Cite or Arres	POLK ST \ PII	37.7896204	-122.42049	POINT (-122	.4204934	133169	97 37.7	896204	3718497
11/24/19	16:30	Sunday	190892555	Arson	Arson, Attem	Open or Acti	ROME ST \ C	37.7157419	-122.44751	POINT (-122	.44751030	04116	79 37.7	157418	7323192
11/24/19	17:00	Sunday	190894078	Arson	Arson, Comn	Open or Acti	GOUGH ST \	37.7754865	-122.42269	POINT (-122	.42269309	943156	59 37.7	754865	3205515
11/25/19	15:00	Monday	190869485	Arson	Fire, Unlawf	Open or Acti	WAVERLY PL	37.794198	-122.40682	POINT (-122	.40682123	171909	94 37.7	941979	5647214
11/25/19	16:27	Monday	190892436	Arson	Arson, Inhab	Open or Acti	TAYLOR ST \	37.784141	-122.41095	POINT (-122	.41095163	190878	34 37.7	841410	1130419
11/28/19	19:32	Thursday	190898848	Arson	Arson, Attem	Cite or Arres	WAVERLY PL	37.794198	-122.40682	POINT (-122	.40682123	171909	94 37.7	941979	5647214
11/29/19		Friday	190902063	Arson	Arson of Veh	Open or Acti	PENNSYLVA	37.7525447	-122.39264	POINT (-122	.39263938	376842	24 37.7	525446	8277438
11/5/19	9:27:00 PM		19-057833	ARSON	MAL SET/ET	C FIRE PROP/	1400 73RD A	37.75929	-122.18679							
11/6/19	4:45:00 AM		19-057875	ARSON	ARSON:INHA	BITED STRUC	1400 13TH S	37.809897	-122.29201							
11/12/19	9:00:00 PM		19-059183	ARSON	ARSON: PRO	PERTY	1400 51ST A	37.769231	-122.20777							
11/14/19	3:10:00 AM		19-059430	ARSON	MAL SET/ET	C FIRE PROP/	9800 C ST	37.742298	-122.17475							
11/17/19				ARSON			400 38TH ST									
11/22/19	1:44:00 AM		19-061097	ARSON		C FIRE PROP/		37.73582								
11/24/19				ARSON	ARSON: PRO		94TH AV & C									
11/24/19	9:00:00 AM			ARSON			500 INDEPEN									
11/27/19				ARSON	ARSON: PRO		36TH ST & N									
44/20/40			40 000000					27.70000					_			