SW Engineering CSC648/848

Fall 2020

Team 01 Section 02

Code: "Coronafirus"

Team 01 Members:

Thomas Abadines (Team Lead) (tabadines@mail.sfsu.edu)

Vito Gano (Project Manager) (vgano1@sfsu.edu)

Souhib Trabelsi (Github Master)

Junhao Zhai (Backend)

Amily Wu (Document Master)

Trung-Duong Pham-Vu (Front End)

http://coronafirus.team:3001/

11/10/2020

2) Product summary:Please copy this section from M4 (it is put here again for completeness of M5

Product: Coronafirus, It combines two of our main focuses, Coronavirus and Wildfires in California.

Itemized list
1. View Interactive Map (Search) using Google Maps API
2. View Data from using Interactive Map, users can click on counties and data will show up for that county.
3. Login (Covid Director), Directors should be able to login with a premade account.
4. Login (Fire Director), Directors should be able to login with a premade account.
5. Login (Administrator), Admin should be able to login with a premade account.
6. Covid Metrics Input (Confirmed), director will be able to enter covid confirmed cases.
7. Covid Metrics Input (Recovered), director will be able to enter covid recovered.
8. Covid Metrics Input (Death), director will be able to enter covid deaths.
9. Fire Metrics Input (Acres Burned), director will be able to enter acres burned.
10. Covid Alert, County Health director can send alerts to their county.
11. Fire Alert, Fire Director can send an alert to their county.
12. Posting Items and Data (Administrator), items will need to be approved by the administrator before posting it online
13. Register to get alerts (Users), users can get alerts using their email.

What is UNIQUE about our product?

It's a website that has an interactive map that when you click on one of the county areas, information about it, either covid or wildfire, will pop up. We have a toggle button that can switch the UI focus to either Covid or Wildfire, with Covid having a green-based theme and wildfire having a red-based theme to differentiate. A possible useful feature in our product is getting alert messages. If the general user wants, we

have an optional button in our navigation bar to get alerts by signing up with their email and selecting their county, they are not required to make an account or password in our website to receive alerts. Since our website isn't a phone app, it's not as convenient to receive alerts through our website, so email would be more easily accessible especially because most people have smartphones and a default email app available. For directors they have premade accounts and we made the tasks they need to do very simple with our UI. We focus our product on usability to make it simple for our users to read data related to wildfire and coronavirus. In a few clicks a user can see data related to his county.

URL to our product : http://coronafirus.team:3001/

3) Milestone documents–M1-M4

Feedback Summary Report

M1

CEO/CTO Feedback
We like the very thoughtful list of personas and use cases. That will bring confidence to our customer. Well done. Not sure why the high-level architecture was not included, but please add it as soon as you can. In general, nice job putting together this document. Please contact us if any further question.

Instructor Feedback
Overall Objective of Milestone 1 [Need improvement, On-track, Above Expectations]: **On track with missing architecture and some improvement needed**

ID	Item	Criteria	Feedback
01	Expected size of this document	About 7-10 pages	Good (15). Please include page numbers.
02	Title Page	Format and Structure • SW Engineering CSC648/848 Fall 2020" • Section Number • Team number • Names of students and roles • M1 • History table (revision)	Good.
03	Executive Summary	~1 page. Why we should fund this project?	Good. One observation in this line "…providing up-to-date news…" News? Or data?
04	Personas and main Use Cases	About 1/3 of a page per persona 4-5 main *use cases*. Descriptive title and number to each use case	Great. Pretty good understanding of your personas and use cases. • Counties Health Directors (4) uses cases. • County Fire Directors (4) • Administrators (3) • Residents (2) • People w/relatives in CA (3) Evacuation centers/hospitals Dirs. (3)
05	List of main data items and entities	Name, meaning, usage, etc.	Good. Add data type for each item (string, integer, etc.)
06	Initial list of functional requirements	High level functions you plan to develop	Great. 20 requirements. Well thought list.
07	List of non-functional requirements	Performance, expected load, security requirements, storage, availability, fault tolerance	Good. (14) As presented in the project documentation. That's good.
08	Competitive analysis	3-4 competitive products	Good. Remove the line "make table and 1 paragraph. I like that you added reference to your sources
09	High-level system architecture and technologies used	Itemized list of all main SW components	The HL architecture is missing.
10	Team and roles	List student names	Good
11	Checklist	Answers to the items	Good

Next Steps: Understand the feedback, talk to your team and decide what needs to be added to M1 and then freeze the document and move to work on M2.
~Prof. Villar

M2

Team 1 "Coronafirus"

CEO/CTO Feedback
Really good progress Coronafirus team. Great integration of your API. Please improve the way your prioritization is described, so it is easy to understand and implement. Your storyboards and mock-ups were a great addition to this phase. Also found the graphics added (something that was missed on M1) provided a better understanding of what is being developed and alignment. Continue to focus on the main functions that our customers are asking for and we will be successful. Keep it up.

Instructor Feedback
Overall Objective of Milestone 2 [Need improvement, On track, Above Expectations]: **On Track.**

Specific Feedback:

ID	Item	Criteria	Feedback
00	Expected size of this document	About 20-25 pages	Good. 27 pages
01	Functional Requirements - prioritized	Expand or repeat functional requirements from Milestone 1 into Milestone 2 w/ reference numbers (1-*must have*; 2 – *desired*; 3 – *opportunistic*)	**On Track.** 21 reqs/23 functions The priority table could be better presented. Perhaps all P1 on top and P3 at the bottom. SEARCH must be P1 for normal users, please update that. I counted 7 P1s.
02	UI Mockups and Storyboards (high level only)	All major use cases from M1. Format is very flexible, recommend hand drawings	**On Track.** Great UI mockups for your major cases.
03	High level Architecture. Database Organization	Make sure the titles and var. names are in easy to understand plain English and consistent with data definitions. *Media storage*, APIs (if any), algorithm and SW tools	**On Track.** Good job organizing the DB, describing the media, search algorithm and API.
04	High Level UML Diagrams	*HL Class diagrams, and Component and deployment*	**On Track.** Good UML deployment diagram and relational flow of your components.
05	Key risks for your project at this time	Skills, schedule, technical teamwork, legal/content	**On Track.** Understanding of the milestone: Good approach to reduce risk. Schedule: Try to manage your time better before becomes a risk/issue.
06	Project management	No more than half a page how you managed and plan to M2 and <u>future</u> tasks. <u>Must</u> start using Trello or similar tools for task management	**On Track.** Good thing you are using Discord. Good finding about Fridays' meetings.

Next Steps: Review this feedback with your team, incorporate any to your document and freeze it. We will go over the vertical prototype during the class tomorrow. Also, we will be introducing M3, which you need to focus for the next week.

~Prof. Villar

M3

CEO/CTO M3 Feedback
Thank you **Coronafirus** team. Congratulations on your comprehensive end to end application, it is looking great, I am really impressed with what I saw in our checkpoint. Great way to display the information and maps. Our customers will be delighted with it. Keep finalizing the details and few of the fixes and documentation. The release date is coming fast and I think you are ready.

Instructor M3 Feedback
Overall Objective of Milestone 3 [Need improvement, On track, Above Expectations]: Above Expectations

Specific M3 Feedback:

ID	Item	Criteria	Feedback
01	UI and functionality feedback (P1 functions only)	- Test main use cases - Check functionality and record issues/observe bugs - Check UI and usability - Check if UI is responsive to change of browser size - Performance in page/image rendering, search - Verify enough WWW pages are implemented and connected	**On Track.**
02	Functionality Check	• Home page • Search (including search field validation) • Search results • Filtering (dropdown menu search) • Search Details and maps (if applicable) • Alert Messaging/Registration /Administration (if applicable) • Data Upload/Metrics Entry • Dashboards (user/admin) • UI responsiveness (resize the browser) • Performance (e.g. display of results list)	**On Track and Above Expectations.** • Home page is really nice. • Search functionality is by filter and browsing the corresponding county via map. Great approach. • Alert Messaging needs some adjustments. • The approval for metrics is not configured. • Metrics entry is okay • Registration capability is okay • Dashboard okay, needs some fixes.

		of results list)	some fixes.
03	Brief review of code, github, database etc.	• All key DB tables completed (users, items, messages, categories etc.) • Search fully working • Home page and search results integrated with back end • Search field input validation to allow proper alphanumeric characters (letters and numbers) • Search arguments persistent • Be ready to show examples of code so coding style and code comments can be checked.	**On Track.** • DBs was checked quickly and it seems that all tables are configured. • Search validation was not checked but seems find. • Code comments need to be added
04	Project status	1. *Teamwork:* 2. *Risks* 3. *Coding practices* 4. *Usage of proper SE code management practices* 5. *How did you address site security and safe coding practices* 6. *Digital content* 7. *Other*	**On Track.** 1. Make sure to address site security.
05	List of P1 features committed for delivery agreed	*Team already reviewed and committed for final P1 list?*	**On Track.** Make sure to commit to your P1 list and implement all those functions.

06	Overall Instructor Review	• Git/Github organization • Git/Github usage • Code documented • MVC/OO patterns followed up • Frameworks • Database organization • Blobs being used? • Adherence to best practices of security • Efficiency • Other	**On Track.** Keep working on documentation and application.

Next Steps for M3: Review this feedback with your team. Your application is looking GREAT, just fix and finalize details. Keep working on it, implement all the pending functions (P1). Keep collaborating and finish strong. I am assuming you are finalizing already M4, be ready to start M5.

~Prof. Villar

M4

CEO/CTO M4 Feedback
Coronafirus, you have demonstrated a great understanding of what the customer is looking for. Great progress and application. I am happy to see all the testing and QA plans. Please finalize details for the final demonstration and delivery.

Instructor M4 Feedback
Overall Objective of Milestone 4 [Need improvement, On track, Above Expectations]: **On Track**

Specific M4 Feedback:

ID	Item	Criteria	Feedback
01	Objectives Achieved?	1. To make final commitment for functions to be delivered 2. To check that all required non-functional specs are satisfied or on track 3. To practice formal usability test plan development 4. To practice formal QA 5. To practice code review 6. Ensure basic practices of secure SE are applied 7. Ensure effective teamwork 8. Ensure software development is effective	**On Track.** Overall a good document.

| 02 | Document delivered (PDF) | 1. Product summary (~1/2 p)
2. Usability test plan (~2 p)
3. QA test plan (~2 p)
4. Code Review (~2 p)
5. Self-check on best practices for security (~1/2 p)
6. Self-check: Adherence to original Non-functional specs | **On Track.**

• Good Summary. 13 itemized list, list of first priorities and special functions
• Good selection and plan for the UT and QA.
• Code Review comments, I agreed with them according with the sample code it was presented.
• Good security approach.
• Most of the Non-functional Specifications should be done by now. Those On-Track status should add a comment about when they will be done or plans. |

Next Steps for M4: Review this feedback with your team, incorporate to your document and freeze it. Finalize all the functionality and integration, you are on track. Be ready for M5 and finish strong.
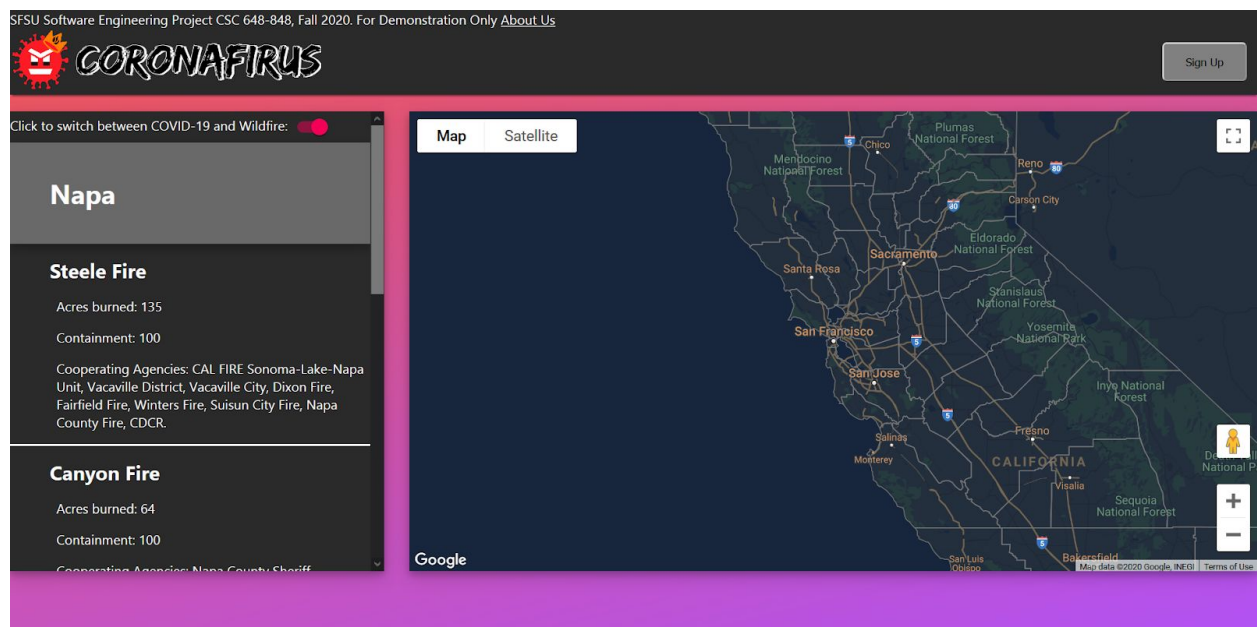
~Prof. Villar

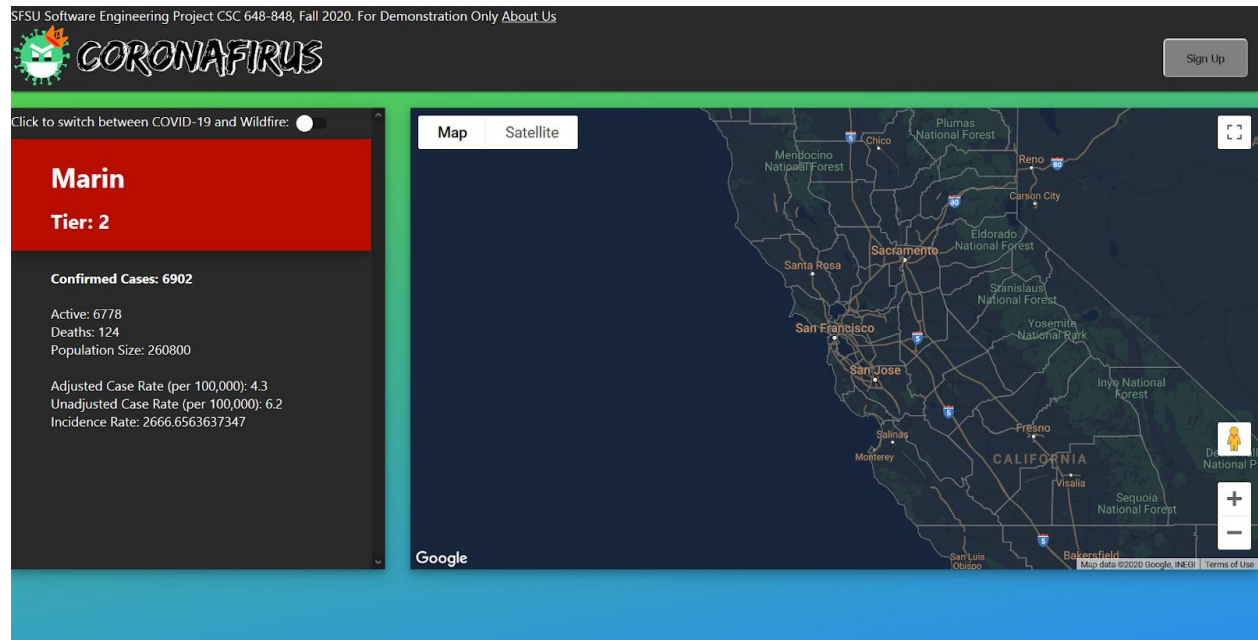## 4) Screen Shots of actual final product as shown in the demo, one per page

Section title: "Product Screen Shots"contains copies of all final screen shots of your

final product(1 per page).

Home Page

Fire

Covid

CORONAFIRUS

Sign Up

Click to switch between COVID-19 and Wildfire:

Marin

Tier: 2

Confirmed Cases: 6902

Active: 6778
Deaths: 124
Population Size: 260800

Adjusted Case Rate (per 100,000): 4.3
Unadjusted Case Rate (per 100,000): 6.2
Incidence Rate: 2666.6563637347

Map   Satellite

Google

Login Page

CORONAFIRUS

Sign in

Email Address *

Password *

SIGN IN

Alert Subscription Page

CORONAFIRUS

🔔

Receive alerts

Email Address *

Countie
San Francisco ▾

RECEIVE ALERTS

Are you an Administrator or Director?

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Admin Pages

Approve or Disapprove Alerts

CORONAFIRUS

Alert Type	County	Message	Date	Approve	Deny
Fire	Napa	test	2020/11/04 04:51:29	APPROVE	DISAPPROVE
Fire	Napa	blblblblbdezdzed	2020/11/03 00:28:07	APPROVE	DISAPPROVE
Fire	Napa	test test test	2020/11/03 00:31:33	APPROVE	DISAPPROVE

Approve or Disapprove Data Edit

CORONAFIRUS

Fire Name	Incident Acres Burned	Update ID	Approve	Deny
Steele Fire	145	6iMpD7r1aiYdIM5EbM2gPn7nNAgb1D5k	APPROVE	DISAPPROVE
Steele Fire	135	AiLUsO3KoIcOV7Ctjk5L7BMQRVfNWRKb	APPROVE	DISAPPROVE

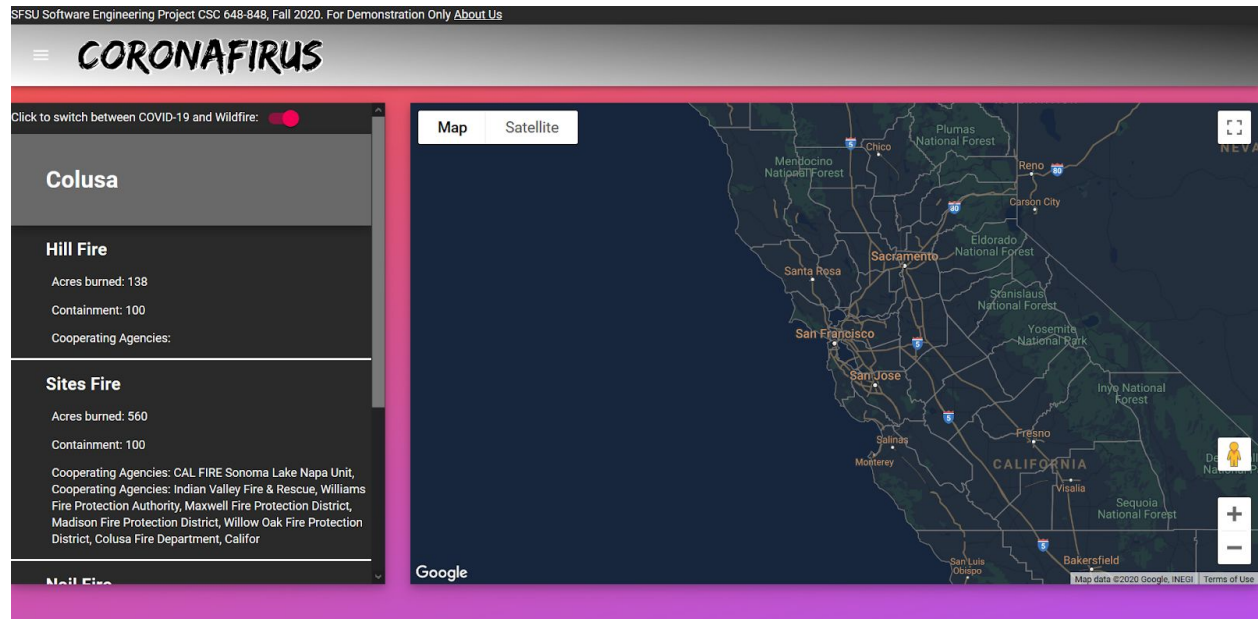| County	Confirmed	Recovered	Deaths	Update ID	Approve	Deny
San Francisco	12000	2000	500	4BrVqtUFk6tbhCmQs6AUp6CMseGuVUQ8	APPROVE	DISAPPROVE

Approve or Disapprove Add entry

CORONAFIRUS

Fire Name	County	Location	Acres Burned	Containment	Active	Date Created	Cooperating Agencies	Approve	Deny
Coronafirus Fire	San Francisco	San Francisco	62	69			dk	APPROVE	DISAPPROVE

View Map

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CORONAFIRUS

Click to switch between COVID-19 and Wildfire:

Colusa

Hill Fire

Acres burned: 138

Containment: 100

Cooperating Agencies:

Sites Fire

Acres burned: 560

Containment: 100

Cooperating Agencies: CAL FIRE Sonoma Lake Napa Unit, Cooperating Agencies: Indian Valley Fire & Rescue, Williams Fire Protection Authority, Maxwell Fire Protection District, Madison Fire Protection District, Willow Oak Fire Protection District, Colusa Fire Department, Califor

Neil Fire

Map Satellite

Fire Director Pages

Alerts

CORONAFIRUS

🔔 Alerts

📋 Edit Data

📝 Add Fire Entry

🗺 View Map

Logout

🔔

Create alerts

Description of the alert

SEND ALERTS

Edit Data

☰ **CORONAFIRUS**

Fire Name	County	Location	Acres Burned	Containment	Active	Date Created	Upload
Steele Fire	Napa	off Arroyo Grande Drive and Steele Canyon Road, Capell	Required * 135	Required * 100	N	2018-07-28	UPDATE
Canyon Fire	Napa	Hwy 128 and Wragg Canyon Rd 16 miles east of St. Helena	Required * 64	Required * 100	N	2019-07-22	UPDATE
Team 1 Wildfire	Napa	Everywhere	Required * 100	Required * 100	N		UPDATE
American Fire	Napa	American Canyon and Highway 80, east of American Canyon	Required * 550	Required * 100	N	2019-10-06	UPDATE
Spanish Fire	Napa	Spanish Valley Trail and Stagecoach Canyon, Northwest of Lake Berryessa	Required * 29	Required * 62	N	2020-05-22	UPDATE
sgdfgdv Fire	Napa	idk	Required * 450	Required * 99	N		UPDATE

Add Fire Entry

☰ **CORONAFIRUS**

Add Fire Entry

Fire Name *

Location *

Acres Burned *

Containment *

Cooperating Agencies *

Active *   Date Created
                   mm / dd / yyyy

SUBMIT

* = Required

View Map
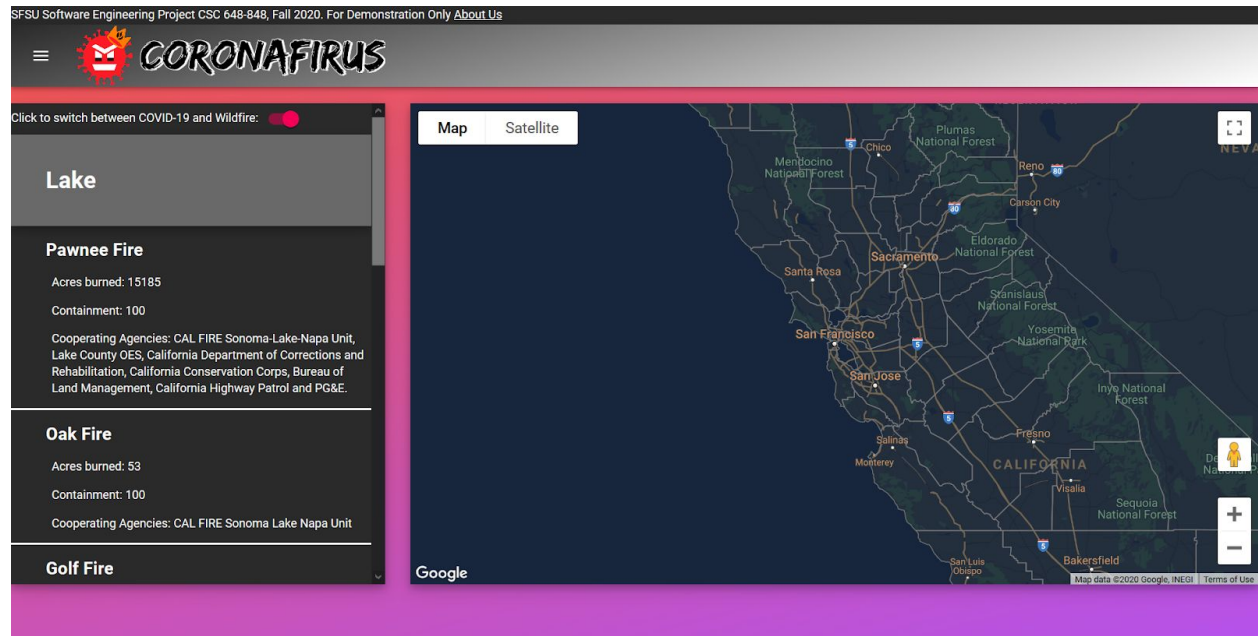
Covid Admin Pages

Create Alerts Page

Alerts

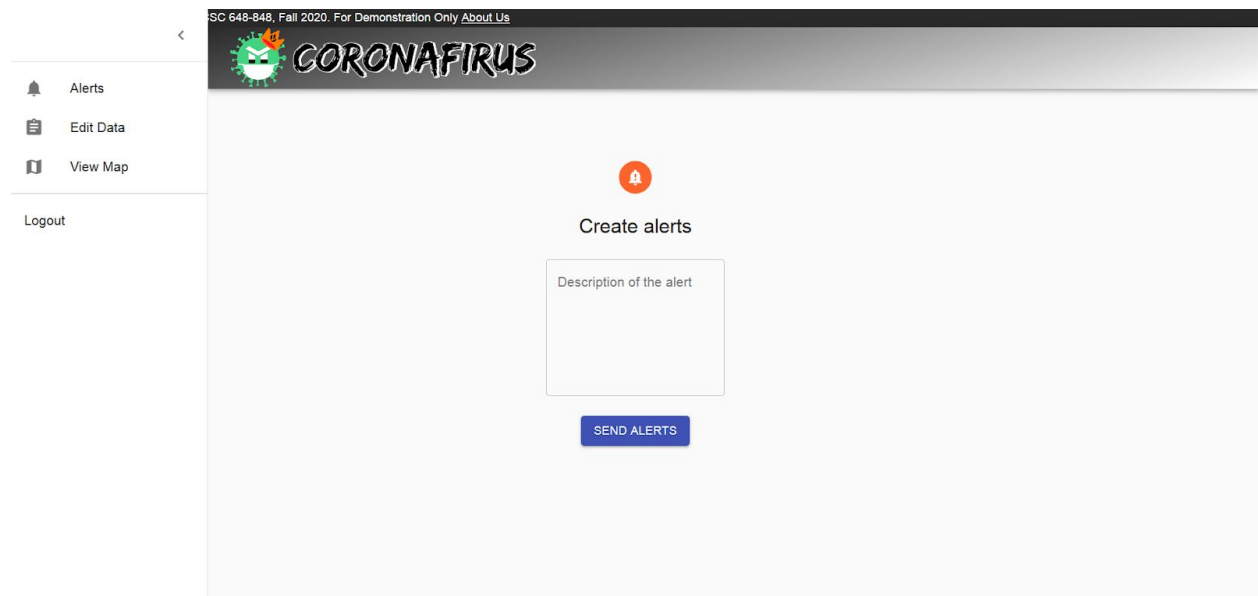Edit Data

View Map

Logout

Create alerts

Description of the alert

SEND ALERTS

Edit data Page

≡ **CORONAFIRUS**

County	State	Country	Confirmed	Deaths	Recovered	Active	Incidence Rate	Case Fatality Ratio	Upload
San Francisco	California	US	Required * 13000	Required * 100	Required * 500	11543	1323.3524171657	1.0543459626	UPDATE

View Map Page

≡ **CORONAFIRUS**

Click to switch between COVID-19 and Wildfire: ⚪

Yolo

Tier: 1

Confirmed Cases: 2966

Active: 2910
Deaths: 56
Population Size: 223612

Adjusted Case Rate (per 100,000): 17.4
Unadjusted Case Rate (per 100,000): 17.4
Incidence Rate: 1345.1247165533

Map | Satellite
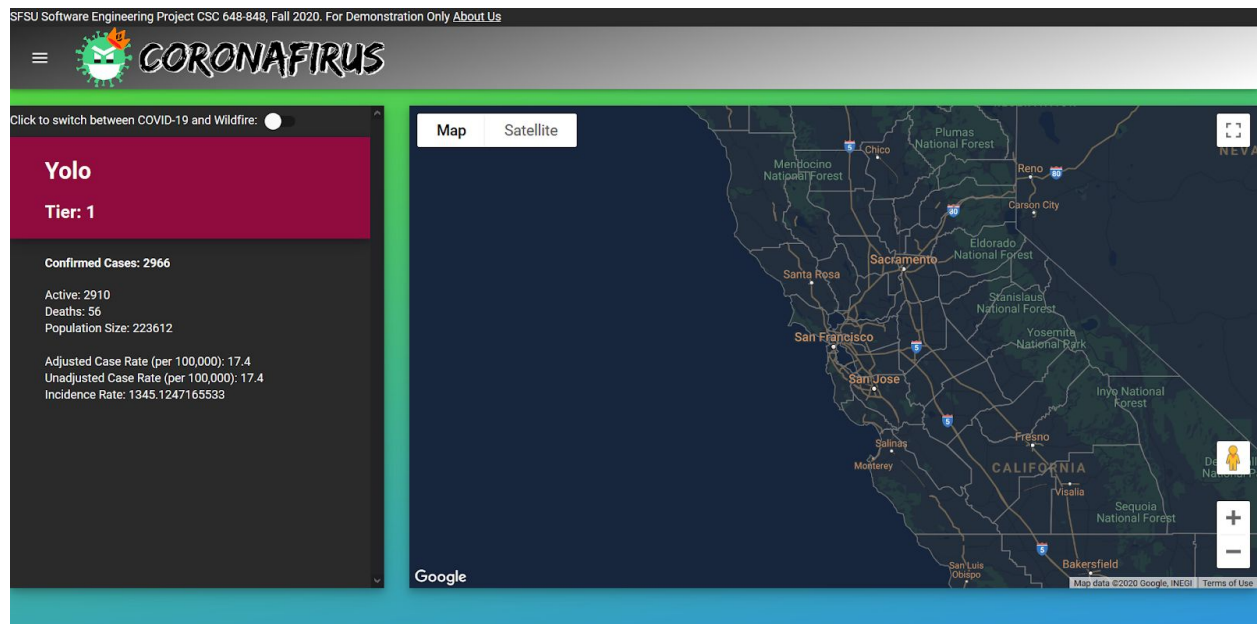
About Page

About Us

Our team consists of students coming together and using our diverse expertise to develop our products.

Vito Gano

Github Master/Project Manager

I'm a senior at SF State and I'm looking to graduate by Spring 2021. I was born in the Philippines but throughout most of my life, I have lived in the Bay Area. My favorite types of food are especially Japanese, Korean, and Vietnamese food. In my personal free time, I really like to play online games like World of Warcraft, League of Legends, or Valorant. When I graduate, I would like to pursue entering the CS workforce in any field, however if I were to pick a specific field in the CS industry, I would like to go into gaming as it is one of my favorite pastime hobbies and my favorite activity to do!

learn more...

Souhib Trabelsi

Github Master/Back End Developer

I'm a 4th-year student at Epitech Paris. I live in France in a town close to Paris. I like to go to the restaurant and discover new dishes. My favorite type of food is Arabic/Japanese. When I'm not at the restaurant, I like to play video games, especially league of legends. When I find the time, I like to improve my computer science skills while working on personal projects.

learn more...

Thomas Abadines

Team Lead/Front End Developer

I'm a Third Year Student at SF State majoring in Computer Science. I like to play instruments including but not limited to piano, electric bass, drums, guitar, and trumpet. If I'm not at school or work, I am learning something new about programming or music.

learn more...

Trung-Duong Pham-Vu

Front End Developer

I'm a 4th year student at SF state, majoring in Computer Science. I enjoy reading, video games and just watching interesting youtube videos. After graduating, I hope to make my current internship into a full time job.

learn more...

Amily Wu

Project Manager Assistant

I'm a 4th-year student at SF state. I tend to watch a lot of YouTube content. My other pastimes I tend to see myself doing include playing rhythm games, reading translated novels or comics, sometimes doodling. Since the Covid pandemic, I rarely find myself going outside, exploring, and doing hangouts.

learn more...

Junhao Zhai

Back End Developer

I am a computer science Senior Student 4th-year student at SF state. My main hobbies focus on MMORPG and animations. In the process of my learning programming, the one I came into contact with most was java. So for me, I think my Java ability is the best. In addition to Java, I have also learned C language, so my second best language is C. After I started learning artificial intelligence, python also needed attention. So my mastery of python is about 30%.

learn more...

5) Screenshots of keyDB tables (1-2 pages)

- ▼ 🗄 **Coronafirus**
  - ▼ 🗐 Tables
    - ► 🗏 Administrator_Alert_users
    - ► 🗏 Administrator_approve_fire_update
    - ► 🗏 Administrator_approved_covid_update
    - ► 🗏 Administrator_update_Covid
    - ► 🗏 Administrator_update_Fire
    - ► 🗏 Administrators
    - ► 🗏 Administrators_retrieve_alert
    - ► 🗏 Alert
    - ► 🗏 covid_data
    - ► 🗏 Covid_update
    - ► 🗏 Director_create_alert
    - ► 🗏 Director_push_covid_update
    - ► 🗏 Director_push_fire
    - ► 🗏 directors
    - ► 🗏 fire_data
    - ► 🗏 fire_update
    - ► 🗏 users

- ▼ 🗏 fire_data
  - ▼ ◈ Columns
    - ◆ incident_name
    - ◆ incident_is_final
    - ◆ incident_date_last_update
    - ◆ incident_date_created
    - ◆ incident_administrative_unit
    - ◆ incident_administrative_unit_url
    - ◆ incident_county
    - ◆ incident_location
    - ◆ incident_acres_burned
    - ◆ incident_containment
    - ◆ incident_control
    - ◆ incident_cooperating_agencies
    - ◆ incident_longitude
    - ◆ incident_latitude
    - ◆ incident_type
    - ◆ incident_id
    - ◆ incident_url
    - ◆ incident_date_extinguished
    - ◆ incident_dateonly_extinguished
    - ◆ incident_dateonly_created
    - ◆ is_active
    - ◆ calfire_incident
    - ◆ notification_desired

- ▼ 🗏 covid_data   ℹ 🚫 🗒
  - ▼ ◈ Columns
    - ◆ FIPS
    - ◆ Admin2
    - ◆ Province_State
    - ◆ Country_Region
    - ◆ Last_Update
    - ◆ Lat
    - ◆ Long_
    - ◆ Confirmed
    - ◆ Deaths
    - ◆ Recovered
    - ◆ Active
    - ◆ Combined_Key
    - ◆ Incidence_Rate
    - ◆ Case-Fatality_Ratio

- ▼ 🗏 directors
  - ▼ ◈ Columns
    - ◆ DID
    - ◆ name
    - ◆ mail
    - ◆ pwd
    - ◆ department
    - ◆ countie
- ▼ 🗏 Administrators
  - ▼ ◈ Columns
    - ◆ AID
    - ◆ pwd
    - ◆ mail
- ▼ 🗏 users
  - ▼ ◈ Columns
    - ◆ UID
    - ◆ Mail
    - ◆ Countie

**6) Google analytics plot for your WWW site or plugins or API used (1 page)**

No analytics

We used google maps API to display the map with data inside a map

We retrieved the data from these websites

https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data

https://www.fire.ca.gov/incidents/

7) Screen shot(s) of your task management system (like Trello) showing a snapshot of your project management
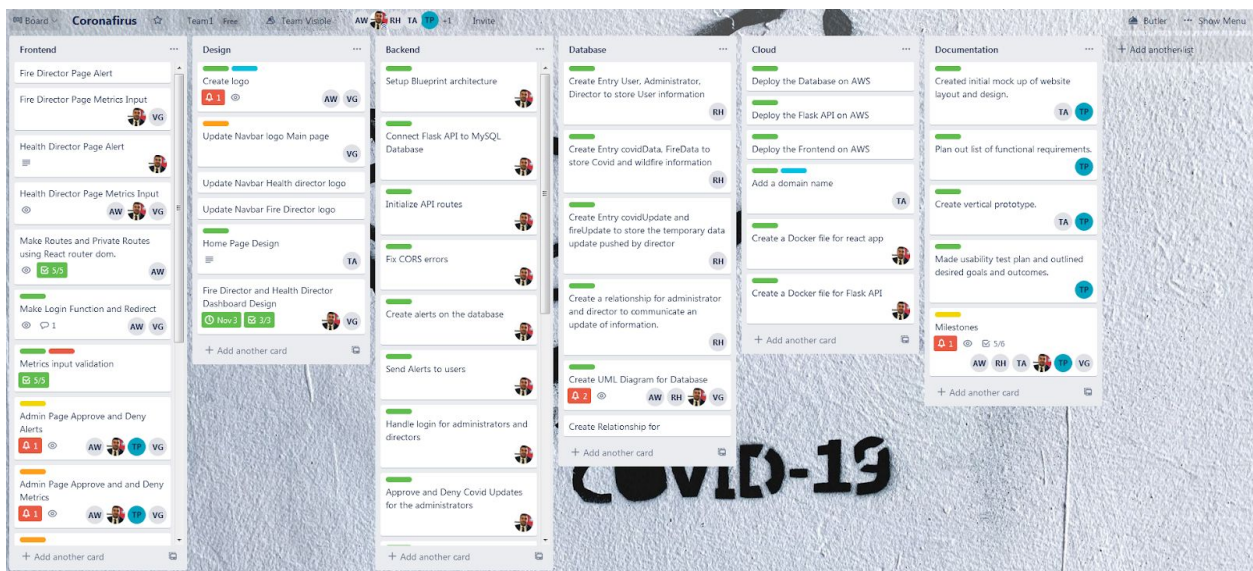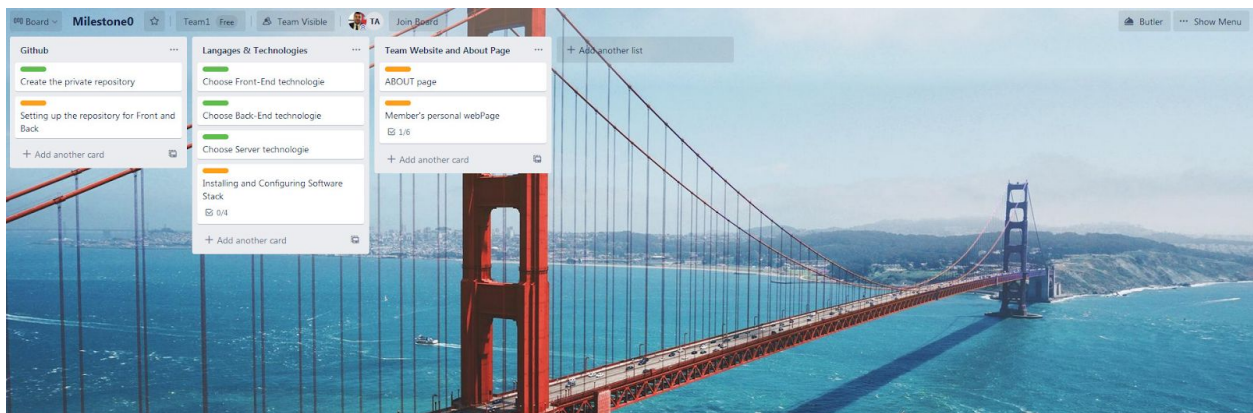
Put your name on the spot you will work on. Later give it a status : WIP/DONE or

explain what else needs to be added for it to be done, if you want.

- ❏ ~~Register Page~~
- ❏ Home page - Thomas WIP
- ❏ Login Page -Vito and Junhao WIP
- ❏ COVID director main page - Amily WIP
- ❏ COVID director data entry and editing page - Amily WIP
- ❏ COVID director Alert submission page - Amily WIP
- ❏ Fire Director main page - Amily WIP
- ❏ Fire director data entry and editing page - Amily WIP
- ❏ Fire director Alert submission page - Amily WIP
- ❏ Administrator main page -Kaimi WIP
- ❏ Administrator data review panel page -Kaimi WIP
- ❏ Evacuation centers and hospital directors page
- ❏ Evacuation center and hospital overcrowded alert request page
- ❏ Get Alerts page - normal users, email and county only as input
- ❏ ~~General user page~~
- ❏ ~~User personal message/alert page~~
- ❏ ~~User bug report page~~

1. [Backend + Frontend] Allow the Directors to add Fire Data, **DONE**

2. containment %, **DONE**

3. [Backend + Frontend] Allow the Administrators to approve added data **OBVIOUSLY DONE**

4. [Frontend] Refresh Administrators table when approve or deny **DONE**

5. [Frontend] Add refresh functionality to admin add entry.js **DONE**

6. [Backend] Fix send alert don't know where yet **DONE?**

7. [Frontend (bonus)] Dark mode

8. [Frontend (bonus)] another page for fire called Data Add. To add new data entry. **DONE**

9. [Frontend] Add map to directors pages **ON TRACK**

10. [Frontend] Add "SFSUSoftware Engineering Project CSC 648-848, Fall 2020. For Demonstration Only" **DONE?**

11. [Frontend] Add logo **PLS NOOOOOOO :(**

12. [Frontend] Lightning Logo in Map

13. [(bonus)] unsubscribe from alert

SUGGESTIONS ONLY(OPTIONAL):
Side chart on the bottom right with legend telling you of the % of covid cases and risk level
Color code counties by risk level
https://covid19.ca.gov/safer-economy/

todo: risk level

8)Team member contributions

S **Souhib Mathieu Ramdane Trabelsi**
Tue 12/1/2020 3:45 PM
To: Trung-Duong Kaimi Pham-Vu; Amily Fei Wu; Thomas Edward De Dios Abadines; Vito Jason Gano; Junhao Zhai

👍 ↩ ↞ → ⋯

Souhib Trabelsi

a.   His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

○ Github Master/Backend Developer.
○ Had a hand in every of the processes in the backend.
○ Did the user sign in frontend page.
○ Adding or helped material UI flaws for the overall design of the website.
○ Participated in the designing process of main page.
○ Communicate with the backend through axios post and get requests.
○ Attended in all of the group meetings.
○ Worked in some of the portions of the milestone documents.
○ Add Swagger documentation for the backend.

b. Number of submissions he/she made to GitHub team dev. Branch
○ Made a total of 66 commits.

...

Reply | Reply all | Forward

Thomas Abadines
a.   His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

- Team Lead/Frontend Lead
- Created the home page/Map page.
- Helped smooth out UX for the website.
- Helped create color scheme and theme for the site.
- Implemented frontend interaction with Google Maps API, Ca.gov data API
- Communicate with the backend through axios post and get requests.
- Attended in all of the group meetings.
- Worked in some of the portions of the milestone documents
- Acted as point of contact between Team01 and the class CEO/CTO

b. Number of submissions he/she made to GitHub team dev. Branch
- Made a total of 24 commits, with additions to other commits via LiveShare

…

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Amily Wu

a. His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

- Project Manager Assistant/Document Master/Frontend Developer
- Had a hand in most of the processes in the frontend
- Did the authentication and other functionalities for logging in and also logging out
- Used react-router-dom for directing/redirecting to different pages as well as constructing some of the pages and restricting access to certain pages.
- Set up the redux store for easier access, instead of passing values in as props
- Adding or helped in fixing some of the CSS and material UI flaws for the overall design of the website
- Participated in the designing process of our team's logo
- Communicate with the backend to do frontend stuff that requires the backend's help
- Attended in all of the group meetings
- Worked in some of the portions of the milestone documents and reviewed/checked some documents

b. Number of submissions he/she made to GitHub team dev. Branch
- Made a total of 53 commits

Vito Jason Gano
Tue 12/1/2020 3:55 PM

To: Trung-Duong Kaimi Pham-Vu; Amily Fei Wu; Souhib Mathieu Ramdane Trabelsi; Thomas Edward De Dios Abadines; Junhao Zhai

a. His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

- Project Manager/GitHub Master/Frontend Developer
- Managed and coordinated the team's schedule for meetings.
- Helped work of the graphical design of the tables utilizing Material UI as well as worked on the CSS aspect of the tables/overall websites.
- Helped formulated the UML Component/Class Diagram for the project
- Checked in with teammates to ensure that they are okay and to be the go-to person for resolving personal/technical issues.
- Helped with trying to obtain/send data from the databases that were implemented from the backend.
- Participated in the making of the Fire Director, Health Director, and the Admin Page.
- Helped start on the Log In Page.
- Attended in all the group meetings
- Worked in some of the portions of the milestone documents and reviewed/checked some documents

b. Number of submissions he/she made to GitHub team dev. Branch
- Made a total of 26 commits under Vito Gano plus 2 under vgano1 to the Master Branch

...

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Junhao Zhai
Tue 12/1/2020 5:15 PM

To: Vito Jason Gano; Trung-Duong Kaimi Pham-Vu; Amily Fei Wu; Souhib Mathieu Ramdane Trabelsi; Thomas Edward De Dios Abadines

a. His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

- Project Backend Database developer/ database info tracer
- Helped with setting up and improving details of UML
- Helped work the graphical design of the tables utilizing Material UI as well as worked on the CSS aspect of the tables/overall websites.
- Helped formulated the UML Component/Class Diagram for the project
- Checked in with teammates to ensure that they are okay and to be the go-to person for resolving personal/technical issues.
- Helped with trying to obtain/send data from the databases that were implemented from the backend.

- Participated in the making of the Fire Director, Health Director, and the Admin Page.
- Helped start on the Log In Page.
- Attended in all the group meetings
- Worked in some of the portions of the milestone documents and reviewed/checked some documents

b. Number of submissions he/she made to GitHub team dev. Branch
- Made a total of 26 commits under Vito Gano plus 2 under vgano1 to the Master Branch

...

a. His/her contributions to team projects and teamwork (technical and any other) in no more than half a page –point format is OK.

- Frontend Developer
- Worked on many of the processes in the frontend
- Worked on the admin react before it was abandoned
- Helped with react map implementation for directors' pages
- Tested different options for dark mode.
- Helped in fixing some of the CSS and material UI flaws for the overall design of the website
- Attended in all of the group meetings
- Worked in some of the portions of the milestone documents and reviewed/checked some documents

b. Number of submissions he/she made to GitHub team dev. Branch
- Made a total of 25 commits to Master Branch

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9) Post analysis–lessons learned

- Working in a team (especially debugging with the team together using LiveShare to see the issue), LiveShare was a very helpful tool to use.

- Meetings twice a week greatly helped with keeping base with everyone's progress. The durations of the meetings were about 4-6 hours each.

- We learned how to build a React app from scratch using the material UI component library.

- We learned how to create a Flask API from scratch using Blueprint architecture to split routes into different python modules.

- We learned how to document and create a MySQL database.

- We learned which form of organization method (Agile) worked best for our group.

- We learned how to deploy an entire architecture composed of a React frontend app, a Flask backend API and a MySQL database on AWS services.

- We learned how to split tasks using Trello organization tool.

- Split work in branches on Github

- We acquired knowledge on how to build backend API with lightweight Flask framework. We saw how an API can retrieve data from HTTP requests and process it in that way, we send back information to the frontend application.

- We learned how to improve database ability as long with more user desired function

- We learned how to connect our React frontend app to another API through HTTP requests with Axios library. We've seen how to pass data through body parameters when making GET and POST requests

- We learned what are the different tools to document a backend API and we learned how to implement swagger to describe the routes of our Flask API

- Our Team used several means to communicate with each other while working on the project: Discord (mainly for voice chat, sharing screens), email (sharing feedback and answers from boss), Trello (for organizing tasks), Zoom (breakout sessions) and Whatsapp (for phone communication and announcements). This helped us stay organized and allowed us to swiftly address any concerns about the project.