

Week: Oct 18-24						
List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
Select a database	Experimenting with different Time-Series databases (Druid, InfluxDB) and deciding on one to use for the project.		2 Nicholas Bell		5	5 -Ongoing
Gathering data	Confirming all useable public sources for Covid-19 data and checking that their formats can be compiled by our API		3 Zach Macadam		3	2 -Ongoing
Design Research	- Comparing difference between TimescaleDB (SQL) vs Time-seriesDB (influxDB) - Researching COVID data sources		2 Damon Ramirez		4	3 -Completed
Documentation Design	- Researching time-series database (influxDB + Druid + Azure Time Series Insights) - Creating short code to get data from internet to CSV file		3 Cuong Nguyen		4	2 -Completed
Research Design	-Researching libraries for front end map API -Mobile site design		2 Joe Donoghue		4	4 -Completed
Week: Oct 25-31						
List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
Develop database structure	Construct the standard for storing covid-19 data in the database. Format, tables, hierarchy, etc.		3 Nicholas Bell		4	4 -Ongoing
Research Design	-Creating a map demo using MapTalks and VueJs		1 Joe Donoghue		6	5 -Complete
Code the processing API	Coding the API which processes covid-19 data before sending it into our database.		5 Cuong Nguyen		6	4 -Ongoing
Begin API	Beginning to code an API that will routinely pull new Covid-19 information and process it into one format that can be later stored in the database. This stage just ensuring it's possible		4 Damon Ramirez		5	3 -Ongoing
Make Map Prototype	Beginning to code the map to visualize what it will look like for presentations on Friday.		3 Zach		10	12 -Ongoing
Week: Nov 1-7						
List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
Program database search	Programming the search functionality for the database and implementing the interface for those choices on the website. This includes the range of options, visual representation, and UI design.		5 Joe Donoghue		4	4 -Ongoing
Develop the website	Setting up the website (Coding, design) and getting it online.		4 Cuong Nguyen		4	3 -Ongoing
Design Implementation	-Continue developing Map prototype -Research and testing new features		2 Zachary Macadam		10	10 -Ongoing
Populate database	Confirming that the database can properly store and handle the volume of covid information we will be gathering.		3 Nicholas Bell, Damon Ramirez		5/5	3/4 -Ongoing
Week: Nov 8-14						
List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
Generate map interface on website	Configuring an interactive map to display Covid-19 stats from our database and integrating with website.		2 N/A			
Integrate database with website	Ensuring that the website can properly communicate with the database, and has no issue loading data to be presented to the user.		3 N/A			

	Prepare for software launch	Final checks, review, testing, and component integration leading up to first official release.	3	N/A			
	Secure a cloud server	Configuring a server using AWS to host our website and store our database.	2	N/A			
				N/A			
	Week: Nov 15-21						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
	Week: Nov 22-28						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
	Implementation	Began working on automated data source application	2	Zach Macadam	5	5	-Ongoing
	Implementation + research	Implemented Vue front end and basic UI	5	Joe Donoghue	6	2	-Ongoing
	Week: Date-Date	02/08/21 - 02/14/21					
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:
	Implementation	-Paired programming with Zach -researching for data sources -planning next iteration	1	Damon Ramirez	6	6	Complete Ongoing
	Research	-Studying JS -Code Review -API documentation	2	Nicholas Bell	7	5	Ongoing Complete Ongoing
	Implementation Research	Fix Vue project problem and finish adding state data to Vue project Research multiple map layer on Leaflets maps + update Map Tokens	3	Cuong Nguyen	6	15	Complete Ongoing
	Implementation	Integrating data source application with Spring Boot Creating endpoints for API calls	3	Zach Macadam	10	10	Ongoing Ongoing

	Implementation + research	Implemented Vue front end and basic UI	5	Joe Donoghue	5	5	-Ongoing	
	Week: Date-Date	02/15/21 - 02/21/21						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:	
		Snow Days	0	Damon Ramirez				
		Snow Days	0	Nicholas Bell				
		Get current location to update on map + update map tokens + points to specific state Research multiple map layer on Leaflets maps + get dynamic data for layer on map	3	Cuong Nguyen	6	8	Complete Ongoing	
		Researched Swagger for API documentation	2	Zach Macadam	2	2	Ongoing	
		Snow Days	0	Joe Donoghue			Laptop died and didn't arrive until 2/20	
	Week: Date-Date	02/22/21 - 02/28/21						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:	
	Research	research chart code find data on the flu	2	Damon Ramirez	5	4	ongoing ongoing	flu data is way down in the US because of covid safety protocols
	Research	Researching chart components code review	2	Nicholas Bell	5	5	Ongoing Ongoing	chart.js seems best choice
	Implementation Research	get draft charts for covid data get dynamic data for layer of each state on the map research on search function for map	5	Cuong Nguyen	6	5	Ongoing Complete Ongoing	flu data to test finalize all the part Nick will take over the charts graph
	Implementation	Started creating backend Server with data needed to serve frontend	4	Zach Macadam	5	5	Ongoing	
	Implementation	Implemented Vue front end and basic UI	2	Joe Donoghue	5	5	- Cancel! ( Take too long time to finish, transfer to Cuong Nguyen)	
	Week: Date-Date	03/01/21 - 03/07/21						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:	
	Research	pair programming with Zach front end research MongoDB research	1	Damon Ramirez	5	4	complete ongoing	
	Research	Researching ChartJS Learning JSON requests	2	Nicholas Bell	7	2	Ongoing Ongoing	
	Implementation Research	try to break the code into smaller components research Vueify to update map GUI update map view research on search function for map + axios get/receive data	4	Cuong Nguyen	6	9	Ongoing Ongoing Complete Ongoing	update map view to 2 themes dark + light, try to break the code to smaller components like (map.vue, charts.vue, togglecase.vue, etc...) right now have all in 1 file.
	Implementation	Added State Vaccination data and created new REST endpoints	4	Zach Macadam	8	8	Complete	
	Research	Code review for front end	2	Joe Donoghue	4	3	Ongoing	
	Week: Date-Date	03/08/21 - 03/14/21						
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:	
	Review	-Code Review -Backend Testing	1	Damon Ramirez	3	4	Complete Complete	

	Research	-Database Code Review -React JS research -Learning how to implement chartjs with react  -change all the current code to react -make old d3 map work with react - add simple graph on react (get data from covid tracking api) - convert all old normal js+html components to react components - implement UI for the web	2	Nicholas Bell	7	5	-Ongoing -Complete -Complete	-Chart.JS seems simpler to implement alongside React, compared to using Vue  - after a team group discussion, we decide to go with react so everyone can contribute to the project (Vue is hard to learn, and when we want to add new stuff we need to read a lot of documentation + testing so it will not have enough time for everyone to research and contribute, while React can implement as pure js, which is straight forward and easier. At first, it is really hard to convert all the current work from Vue and D3 back to React but up to now, it almost has done and will be easier for the team to contribute later) - converting old d3 js map to react (do not have data right now, just have the map up and can click to specific states with counties, adding data is easy with geo.prop)		
	Implementation Research		5	Cuong Nguyen	8	15	Complete Complete Complete Ongoing			
	Implementation Research	-refactored the entire backend server and populated entire database -added all REST end points and created necessary queries	5	Zach Macadam	10	15	-Complete -Complete			
		Code review on front end Reduce and condense front end	1	Joe Donoghue	3	4	Ongoing		Directory organization and code review for the new frontend	
	Week: Date-Date	03/15/21 - 03/22/21								
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:			
	Implementation	-implemented the buttons -change map data based on buttonclick	4	Damon Ramirez	10	12	complete complete			
	Implementation Review	-Chart positioning adjustments -Designing fetch calls for US/State Data by Range -Connecting Chart to display data from database -Code review/database testing	4	Nicholas Bell	7	15	Complete Complete Complete Ongoing			
	Implementation Research	- make map front-end work with back-end data -Help other on their front-end part -Add Calendar GUI -fix bug map render multiple times when props from parents update -Try to parse value from child of child back to parents	4	Cuong Nguyen	8	18	Complete Complete Complete Ongoing			
	Modification Maintenance	-Modified backend server to meet teammate needs -Maintained the online MongoDB cluster	4	Zach Macadam	10	15	-Complete -Complete			
	Implementation	-implemented SearchBar with state and county data -Clean, beautify, and condense code	4	Joe Donoghue	10	8	-Complete -Ongoing			
	Week: Date-Date	03/22/21 - 03/29/21								
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:			
	Modification	-code review -slight changes	1	Damon Ramirez	3	3	complete ongoing			
	Implementation	-Code Review -Bug fixing	2	Nicholas Bell	7	5	Complete Ongoing			
	Implementation Research	- Covert Map - Fix small bug on Map and Calendar to make them work well	4	Cuong Nguyen	5	6	Complete Ongoing			
	Modification	-Changed functionality of Backend to update data to current without server running	4	Zach Macadam	3	3	-Complete			
	Style Update	Major style change (StyleChange01) for UI Poster	1	Joe Donoghue	5	5	Ongoing Complete			
	Week: Date-Date	03/29/21 - 04/04/21								
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:			

	Modification	changed the charts to be year/month/week and are affected by the buttons	3	Damon Ramirez	4	3	Complete Ongoing			
	Implementation Research	-Implement news api -Update Poster	4	Nicholas Bell	7	7	Ongoing Complete			
	Implementation Research	- Make UI for new features -Add React Routes + extra pages to project	4	Cuong Nguyen	6	8	Complete Ongoing			
	Deployment	-Porting backend server to AWS -Testing automated services	4	Zach Macadam	2	8	Complete Ongoing			
	Modification Maintenance	-Updated style changes for UX -Code review for front end	2	Joe Donoghue	3	4	Ongoing Complete			
	Week: Date-Date	04/04/21 - 04/11/21								
	List of tasks:	Descriptions for each task:	Priority of task (scale 1-5):	People expected to work on task:	Hours planned:	Hours needed:	Status:			
				Damon Ramirez						
	Design Modification Implementation	-News tab adjustments -Peer Programming & Code Review -CSS touchups -Bug fixes & Feature support	3	Nicholas Bell	20	32	Complete Complete Complete Ongoing			
	Implementation Implementation Implementation Implementation	-Make Cards work with USMap, update cards GUI -Make Chart work with USMap, update Chart GUI -Update USMap - Update Calendar to not show the date after today date + before Jan 2020 - Help other to finish their tasks + update GUI	5	Cuong Nguyen	20	40	Complete Complete Complete Complete			
	Implementation Implementation Implementation Deployment	-Added percentage data to all documents in MongoDB -Scaled chloreopleth effect of map to percentage of population as opposed to raw number values of the data -Created a dynamic legend for the map -Maintained deployment of new features/bug fixes and uploaded final repository to GitHub	5	Zach Macadam	20	40	Complete Complete Complete Complete			
	Implementation Maintenance	-SearchBar bug fix -CSS touchups -Code review	3	Joe Donoghue			Complete Complete Complete			