

Fall 2020 S.E.

W.A.R.s

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Week 1: 10/11/20 - 10/17/20

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Nicholas Bell	Documentation Design	3 hours	4 hours	-Reviewing Use Cases -Reading and discussing client feedback -Researching time-series databases	-Complete -Complete -Ongoing	Need to present database research later
Cuong Nguyen	Documentation	4 hours	6 hours	- Creating 2 new use cases -Reading and discussing client feedback -Researching time-series databases	-Complete -Complete -Ongoing	
Damon Ramirez	Documentation Design	3 hours	3 hours	- Researching how to pull data on internet - Reading and discussing client feedback - Researching time-series database (influxDB)	-Complete -Ongoing - Ongoing	
Zach Macadam	Documentation Design	3 hours	3 hours	- Researched where we will get our data from - Created a simple Java application that downloads COVID-19 data	-Complete -Complete	
Joe Donoghue	Documentation Design	4 hours	3 hours	-Prototype design for frontend -blueprint/wireframe design using Balsamiq	-Complete -Complete	

Week 2: 10/18/20 - 10/24/20

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Nicholas Bell	Documentation Presentation	5 hours	5 hours	-Preparing time-series database presentation -Researching Druid & InfluxDB (TSDB)	-Complete -Ongoing	
Cuong Nguyen	Documentation Design	4 hours	2 hours	- Researching time-series database (influxDB + Druid + Azure Time Series Insights) - Creating short code to get data from internet to CSV file	-Ongoing -Complete	
Damon Ramirez	Design Research	4 hours	3 hours	- Comparing difference between TimescaleDB (SQL) vs Time-seriesDB (influxDB) - Reaserching COVID data sources	-Complete	
Zach Macadam	Design	3 hours	2 hours	- Creating an application for entering data pulled from the internet into a database	-Ongoing	
Joe Donoghue	Research Design	4 hours	4 hours	-Researching libraries for front end map API -Mobile site design	-Complete -Ongoing	

Week 3: 10/25/20 - 11/01/20

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Zach Macadam	-Design	10 hours	12 hours	-Creating Map prototype for presentation -Creating program to parse CSV data into correct format -Creating program to generate statistics (trends, 7 day summary, etc...)	-Ongoing -Complete -Ongoing	
Damon Ramirez	Research Design	5 hours	3 hours	-Researched best possible database options -Planned how to set it up	-Complete -Ongoing -Ongoing	
Nicholas Bell	Research	4 hours	4 hours	-More druid research -Testing multiple data sources	-Ongoing -Complete	
Cuong Nguyen	Research Design	6 hours	4 hours	- Creating a draft map GUI and pull data from CSV file to the map - Convert simple CSV file into HTML table to show up data on the map	-Ongoing -Complete	
Joe Donoghue	Research Design	6 hours	5 hours	-Creating a map demo using MapTalks and VueJs	-Complete	

Week 4: 11/02/20 - 11/09/20

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Damon Ramirez	Design Implementation	5 hours	4 hours	Create Amazon RDS Database	-Ongoing	
Nicholas Bell	Review Research	5 hours	3 hours	-Receiving feedback on feature design -Studying Amazon RDS and SQL	-Complete -Ongoing	
Cuong Nguyen	Research Design	4 hours	3 hours	- Updating GUI on covid tracker website - Creating a draft map GUI and pull data from CSV file to the map to pop-up a new window of website show data of CSV file in HTML format	-Ongoing -Ongoing	
Zachary Macadam	Design Implementation	10 hours	10 hours	-Continue developing Map prototype -Research and testing new features	-Ongoing -Ongoing	
Joe Donoghue	Documentation Implementation support	4 hours	4 hours	-API documentation -API testing using Laravel	-Ongoing -Ongoing	

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Week 1: 11/30/20 - 12/4/20

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Cuong Nguyen	Documentation Design	2 hours	4 hours	- Update main website on riogrande	-Complete	

**Spring 2021 S.
E. W.A.R.s**

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Week 1: 01/18/21 - 01/24/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Nicholas Bell	Documentation	6	7	sw requirements tasks, make notes and make todo	Complete	
Cuong Nguyen	Documentation	6	7	sw requirements tasks, make notes and make todo	Complete	
Damon Ramirez	Documentation	6	7	sw requirements tasks, make notes and make todo	Complete	
Zach Macadam	Documentation	6	7	sw requirements tasks, make notes and make todo	Complete	
Joe Donoghue	Documentation	6	7	sw requirements tasks, make notes and make todo	Complete	

Week 2: 01/25/21 - 01/31/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Nicholas Bell	Documentation	2	2	Prepare weekly agenda and meeting minute	complete	
Cuong Nguyen	Documentation	2	2	- schedule meeting time for the semester, assign important task to complete in next 2 weeks	Complete	
Damon Ramirez	Research	2	2	researched COVID data sources	complete	
Zach Macadam	Research	2	2	researched COVID data sources	complete	
Joe Donoghue	Vue implementation	2	4	Implemented Vue front end and basic UI	Complete	

Week 3: 02/01/21 - 02/07/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Zach Macadam	Implementation	5	5	Began working on automated data source application	ongoing	
Damon Ramirez	Documentation	2	2	Wrote semester plan, got vue working on my machine	complete	
Nicholas Bell	Documentation Research	5	6	Edit semester roadmap Learning JS and Vue, D3	complete Ongoing	
Cuong Nguyen	Implementation Research	4	7	Updating Meeting Minute and GUI on riogrande Add previous project last semester to Vue project	complete Ongoing	- The global map works fine but after add the specific data for each state the vue project got errors and still not figure out the problem
Joe Donoghue	API Research	3	2	Researching Restful API documentation	Ongoing	

Week 4: 02/08/21 - 02/14/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Damon Ramirez	Implementation	6	6	-Paired programming with Zach -researching for data sources -planning next iteration	Complete Ongoing	
Nicholas Bell	Research	7	5	-Studying JS -Code Review -API documentation	Ongoing Complete Ongoing	
Cuong Nguyen	Implementation Research	6	15	Fix Vue project problem and finish adding state data to Vue project Research multiple map layer on Leaflets maps + update Map Tokens	Complete Ongoing	
Zach Macadam	Implementation	10	10	Integrating data source application with Spring Boot Creating endpoints for API calls	Ongoing Ongoing	
Joe Donoghue	UI and Map	5	5	UI and map implementation of parts of old map.		

Week 5: 02/15/21 - 02/21/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments
Damon Ramirez	Snow Days	N/A	N/A	N/A		
Nicholas Bell	Research	5	3	-Studying JS/Vue -Researching API documentation	Ongoing Ongoing	
Cuong Nguyen	Implementation Research	6	8	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	Complete Ongoing	
Zach Macadam	Snow Days	2	2	Researched Swagger for API documentation	Ongoing	

Joe Donoghue	Research	3	3	Watched Vue tutorials and learned more about SPAs	Complete	Laptop died and didn't arrive until 2/20		
Week 6: 02/22/21 - 02/28/21								
Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Research	5	4	research chart code find data on the flu	ongoing	flu data is way down in the US because of covid safety protocols		
Nicholas Bell	Research	5	5	Researching chart components code review	Ongoing	chart.js seems best choice		
Cuong Nguyen	Implementation Research	6	5	get draft charts for covid data get dynamic data for layer of each state on the map research on search function for map	Ongoing Complete Ongoing	basic function done, just need backend data to test finalize all the part Nick will take over the charts graph		
Zach Macadam	Implementation	5	5	Started creating backend Server with data needed to serve frontend	Ongoing			
Joe Donoghue	Implementation	5	5	Condense Vue files into individual components and Vue research	Ongoing			
Week 7: 03/01/21 - 03/07/21								
Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Research	5	4	pair programming with Zach front end research MongoDB research	complete ongoing			
Nicholas Bell	Research	7	2	Researching ChartJS Learning JSON requests	Ongoing Ongoing			
Cuong Nguyen	Implementation Research	6	9	try to break the code into smaller components research Vuetify to update map GUI update map view research on search function for map + axios get/receive data	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, totalcase.vue, etc..), right now have all in 1 file code App.vue and hard to maintain or add new stuff		
Zach Macadam	Implementation	8	8	Added State Vaccination data and created new REST endpoints	Complete			
Joe Donoghue	Implementation	4	3	Code review for front end	Ongoing			
Week 8: 03/08/21 - 03/14/21								
Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Research	5	4	pair programming with Zach backend bug fixes	complete complete			
Nicholas Bell	Research	7	7	-Practicing with sample charts -Learning Axios for api requests -Code review -researching mongoDB/compass	Complete Ongoing Complete Ongoing			
Cuong Nguyen	Implementation Research	12	25	- break the code into smaller components - implements the view of the project with vuetify, vue2leaflet - add switch theme, search function - add API get data with axios - working on map the county from search function to the covid map	Complete Complete Complete Complete Ongoing	- The data.map (item) from JS may not work correctly so need to put a sleep to make it run correctly (will figure it out this week) - have a meeting with Dr. Wei, will update the search GUI later when finish all the search function		
Zach Macadam	Implementation	8	8	Added State Vaccination data and created new REST endpoints	Complete			
Joe Donoghue	Implementation	6	5	Code review for front end Testing database on backend	Ongoing			
Week 9: 03/15/21 - 03/22/21								
Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Review	3	4	-Code Review -Backend Testing	Complete Complete			
Nicholas Bell	Research	7	5	-Database Code Review -React JS research -Learning how to implement chartjs with react	-Ongoing -Complete -Complete	-Chart.JS seems simpler to implement alongside React, compared to using Vue		

Cuong Nguyen	Implementation Research	8	15	<ul style="list-style-type: none"> -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 	Complete Complete Complete Complete Ongoing	<ul style="list-style-type: none"> - 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) 		
Zach Macadam	Implementation Research	10	15	<ul style="list-style-type: none"> -refactored the entire backend server and populated entire database -added all REST end points and created necessary queries 	-Complete -Complete			
Joe Donoghue		3	4	Code review on front end Reduce and condense front end	Ongoing	Directory organization and code review for the new frontend		

Week 10: 03/22/21 - 03/29/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Implementation	10	12	<ul style="list-style-type: none"> -implemented the buttons -change map data based on buttonclick 	complete complete			
Nicholas Bell	Implementation Review	7	15	<ul style="list-style-type: none"> -Chart positioning adjustments -Designing fetch calls for US/State Data by Range -Connecting Chart to display data from database -Code review/database testing 				
Cuong Nguyen	Implementation Research	8	18	<ul style="list-style-type: none"> - 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 	Complete Complete Complete Ongoing	<ul style="list-style-type: none"> -project done 90% - working on fix bug + get return value from child back to parents (props will not work in Child-Parents direction, only work in Parents-Child direction) 		
Zach Macadam	Modification Maintenance	10	15	<ul style="list-style-type: none"> -Modified backend server to meet teammate needs -Maintained the online MongoDB cluster 	-Complete -Complete			
Joe Donoghue	Implementation	10	8	<ul style="list-style-type: none"> -implemented SearchBar with state and county data -Clean, beautify, and condense code 	-Complete -Ongoing			

Week 11: 03/29/21 - 04/04/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Modification	3	3	<ul style="list-style-type: none"> -code review -slight changes 	complete ongoing			
Nicholas Bell	Implementation	7	5	<ul style="list-style-type: none"> -Code Review -Bug fixing 		Found a small bug regarding how the date string was being generated from the calendar		
Cuong Nguyen	Implementation Research	5	6	<ul style="list-style-type: none"> - Covert Map - Fix small bug on Map and Calendar to make them work well 	Complete Ongoing	Convert Map to UseEffect (original version using Components stuff which is old and hard to add more stuff to map) + fix small bug on map		
Zach Macadam	Modification	3	3	-Changed functionality of Backend to update data to current without server running	-Complete			
Joe Donoghue	Style Update	5	5	Major style change (StyleChange01) for UI Poster	Ongoing Complete			

Week 12: 04/04/21 - 04/11/21

Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments		
Damon Ramirez	Modification	4	3	changed the charts to be year/month/week and are affected by the buttons	Complete Ongoing			
Nicholas Bell	Implementation Research	7	7	<ul style="list-style-type: none"> -Implement news api -Update Poster 	Ongoing Complete			
Cuong Nguyen	Implementation Research	6	8	<ul style="list-style-type: none"> - Make UI for new features - Add React Routes + extra pages to project 	Complete Ongoing			
Zach Macadam	Deployment	2	8	<ul style="list-style-type: none"> -Porting backend server to AWS -Testing automated services 	Complete Ongoing			
Joe Donoghue	Modification Maintenance	3	4	<ul style="list-style-type: none"> -Updated style changes for UX -Code review for front end 	Ongoing Complete			

Week 12: 04/04/21 - 04/11/21							
Team Member	Contribution Domain	Time Planned	Time Spent	Activity Description	Status	Comments	
Damon Ramirez							
Nicholas Bell	Design Modification Implementation	20	32	-News tab adjustments -Peer Programming & Code Review -CSS touchups -Bug fixes & Feature support	Complete Complete Complete Ongoing	-News is fully implemented using the NewsAPI, but remember that multiple api keys may be needed for additional requests.	
Cuong Nguyen	Implementation Implementation Implementation	20	40	-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	Complete Complete Complete Complete	- Help other to finish their tasks + update GUI	
Zach Macadam	Implementation Implementation Implementation Deployment	20	40	-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	Complete Complete Complete Complete		
Joe Donoghue	Implementation Maintenance			-SearchBar bug fix -CSS touchups -Code review	Complete Complete Complete		