

Stoic Solutions

Team (stoicsolutionscsusm@gmail.com):

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Enrique Jimenez, Jerry Compton, Jordan Mower, Matthew Adamus



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To: Dr. Kristin Stewart, Assistant Professor of Marketing
CC: Dr. Shaun-inn Wu, Director of Projects

Stoic Solutions enjoyed being a part of this amazing project for Keep America Beautiful. Thank you Dr. Stewart for providing us with this opportunity to be a part of not only a fun and engaging project but also a great cause. We enjoyed every moment of this project, working with you through the semester, and making this project come to fruition. We also learned how to properly manage a project and work with a client to make a project successful.

The final phase involved the team finalizing all documentation and any last modifications to the database that were requested in the Prototype 2 meeting. All information and documentation of the work that was accomplished by Stoic Solutions will be available through the github link in the Statement of Deliverables. The team successfully created a functional database that communicates with the previous groups algorithm. The database is open for use by the UI team and everything has been created on the existing AWS server put in place by the previous group.

Regarding the accrued and projected cost of this project. Our team was operating at a rate of \$28.00 per hour over the course of the project. Our estimated total cost was \$17,030.40 but, the actual cost amounts to \$16,108.60, this includes our hourly rate and the cost of running the AWS server.

A copy of this report will be submitted to both Dr. Stewart and Dr. Wu

By signing below you hereby approve Stoic Solutions to continue working on the following project: Keeping America Beautiful: Litter Detective, and agree to the aforementioned estimated costs.

Thank you,
Chris Bertram (Project Lead)
stoicsolutionscsusm@gmail.com

A handwritten signature in black ink that reads "Chris Bertram".

Dr. Kristin Stewart, Assistant Professor of Marketing

Date



1. Application Development

1.1 Statement of Business Context

Keep America Beautiful is a national nonprofit organization that strives to improve, educate, and beautify both the environment and people. With more than 600-community based affiliates, partners, volunteers, and more, they are able to perform just so.

1.2 Statement of Customer's Business Problem

- Keep America Beautiful needs the data produced by the algorithm to mean something.
- Needs the data produced to have a rating system.
- The definition of a geographical space must be defined to signify cities, counties etc.
- Make the data available and usable for the UI team.

1.3 Statement of Project Proposal

- Goal 1 - Collect data from 360 Google Street images.
- Goal 2 - Process images through ML.
- Goal 3.1 - Collect output data.
- Goal 3.2 - Define what a geographic space is.
- Goal 4 - Make data accessible to the UI team.

On behalf of Dr. Kristin Stewart we will implement the following with the intent of making this data usable and available to the UI team.

1.4 Statement of Deliverables

- Database filled with all data produced by the existing algorithm for UI team usage.
- Data will include:
 - Total litter in a given area.
 - Litter rating of 1 to 4.
 - Geographic space (Latitude, Longitude).
 - The date it was taken.



1.5 Measures of Success

JAD 1 - Identify requirements of the project.

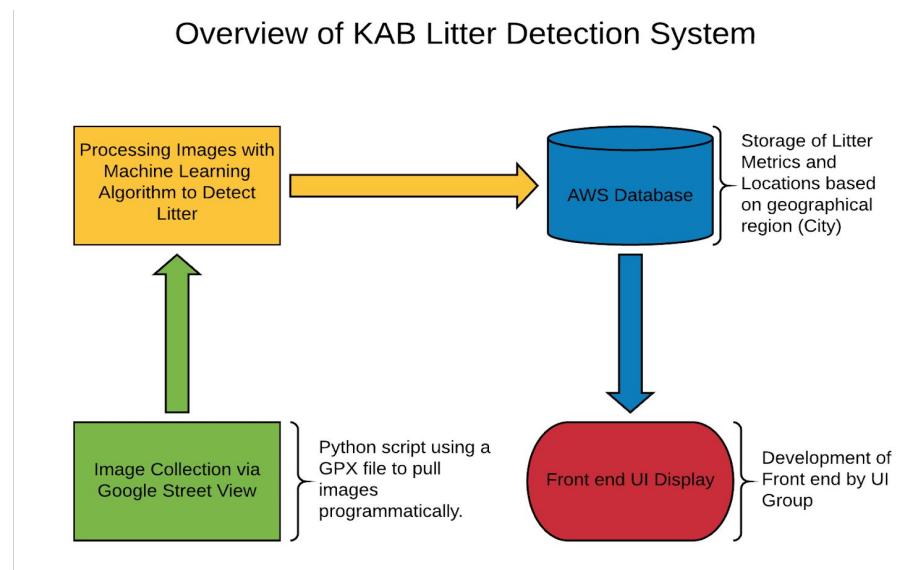
JAD 2 - Finalize requirements of the project.

Prototype 1 - Boneworks of database created. Image collecting script fine tuned and images collected and ready to be passed through the algorithm to collect data.

Prototype 2 - More routes collected and a filled database of data from the San Marcos area.

Final Product - Collation, transfer and storage of litter metrics from GSV360 images that have been processed through a machine learning algorithm for use by the UI team.

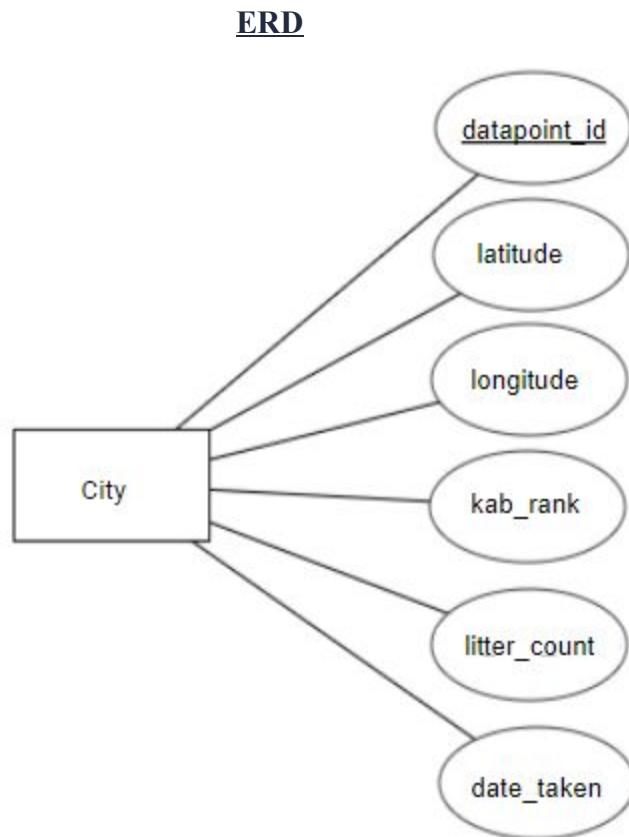
1.6 System Overview





Table(s):

SanMarcos (datapoint_id, latitude, longitude, kab_rank, litter_count, date_taken)



```
CREATE TABLE SanMarcos (
    datapoint_id INT(11) AUTO_INCREMENT,
    latitude double,
    longitude double,
    kab_rank FLOAT,
    litter_count FLOAT,
    date_taken DATE,
    CONSTRAINT datapoint_id_pk PRIMARY KEY(datapoint_id));
```



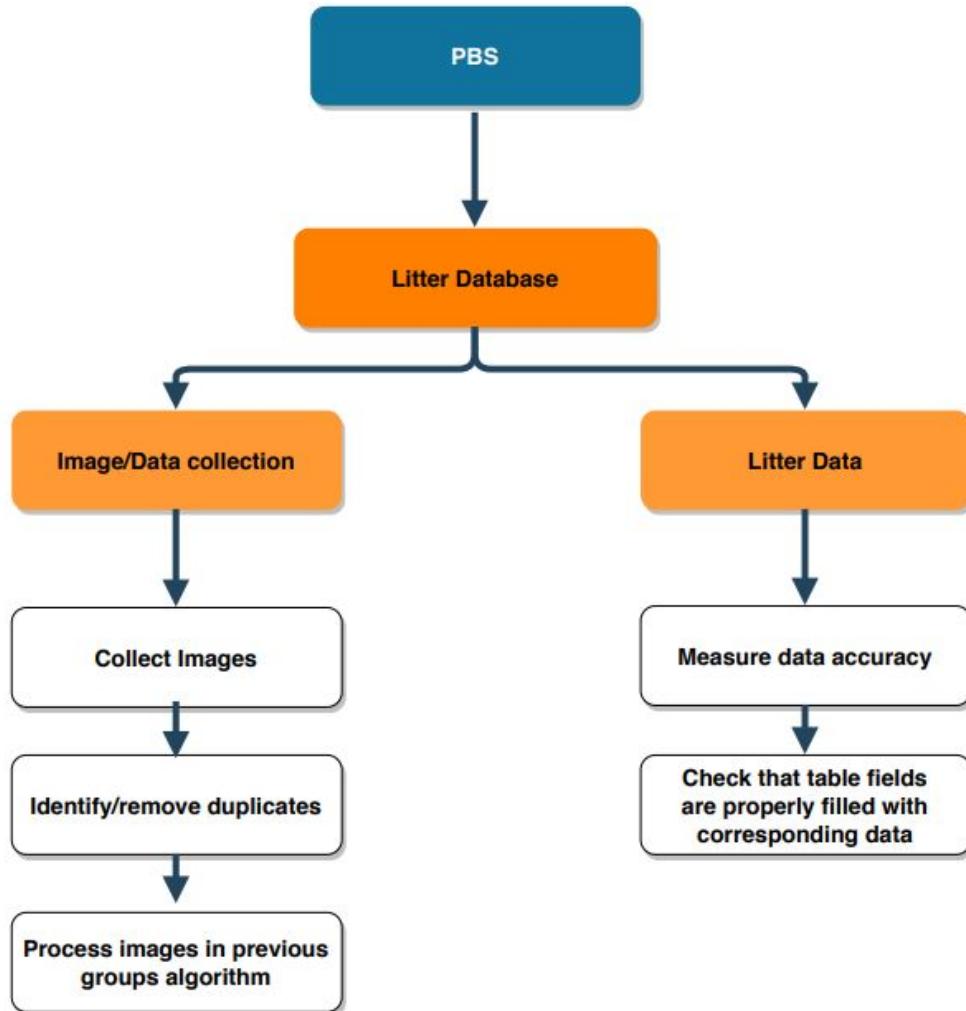
2. Requirements Matrix

Req. ID	Requirement	Description	Critical	Implemented [Y/N]	Task ID
1	Image Collection	- Script will capture 360 View, Google Maps, Google Street images and Plotaroute.	H	Y	5.6, 5.6.1
2	Machine Learning Processing	- Algorithm will process 360 google images. - Will indicate trash in images.	H	Y	5.6.2
3	Organize Data from Algorithm into final product	- Algorithm will transfer data to database. - Will organize into specified fields: total litter, litter rating, latitude, longitude, and date taken.	H	Y	7.7, 7.7.3, 8.5, 8.5.1



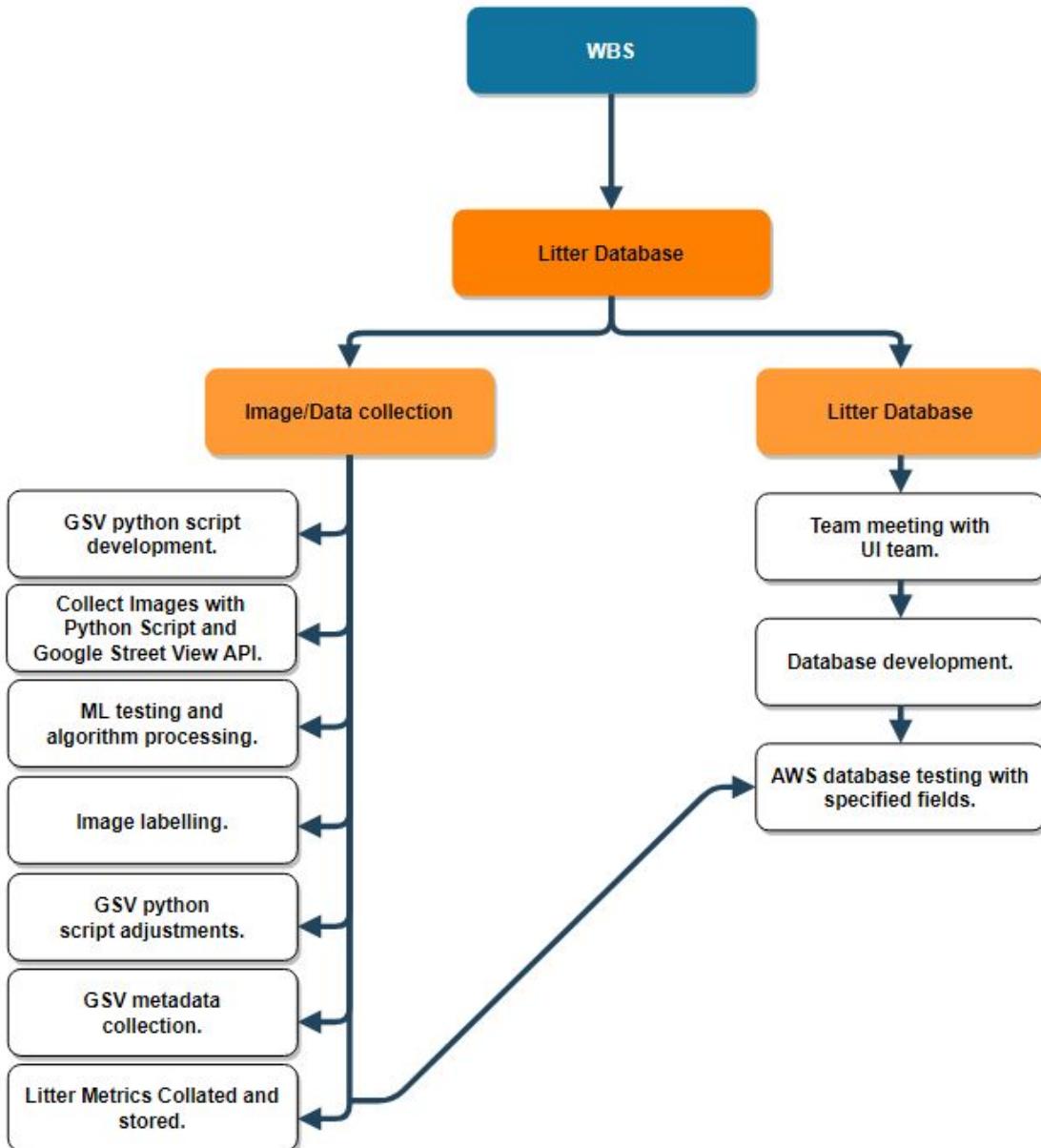
3. Project Management

3.1 Product Breakdown Structure





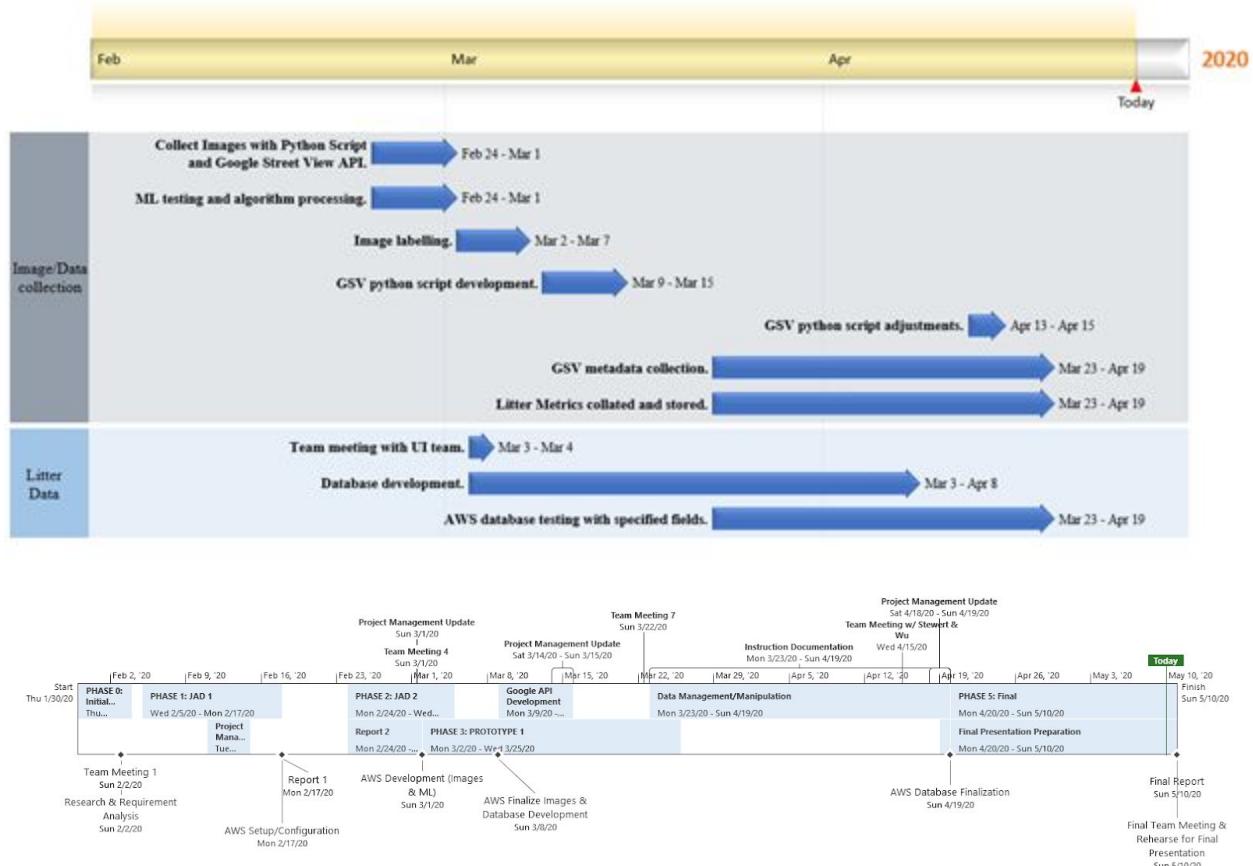
3.2 Work Breakdown Structure





3.3 Initial Schedule for Tasks and Deliverables

Schedule of Tasks:





ID	Task Name	Estimated Hours	Actual Hours
0	« Stoic Solutions - Project	607.5	575
1	« PHASE 0: Initial Project Start-up & Proposal	13	10.5
1.1	Team Drive Hub & Documentation Created	1	1
1.2	Report 0	10	8
1.3	Team Meeting & Coordination Set-up	2	1.5
2	« Research & Requirement Analysis	10	8
2.1	Previous Group Research	10	8
3	Team Meeting 1	8	8
4	« PHASE 1: JAD 1	86.5	94.5
4.1	Prepare Agenda for JAD 1 Meeting	10.5	12
4.2	Prepare Resources for JAD 1 Meeting	15	16.5
4.3	Team Meeting 2	8	8
4.4	« Project Management	6	9
4.4.1	Gant Chart Development	2	5
4.4.2	Cost Estimates	2	1
4.4.3	Time Sheets	2	3
4.5	« Report 1	35	36
4.5.1	Report 1 (Draft)	25	27
4.5.2	Report 1 (Revision)	10	9
4.6	AWS Setup/Configuration	12	13



ID	Task Name	Estimated Hours	Actual Hours
5	▫ PHASE 2: JAD 2	74	56
5.1	Team Meeting 3	8	8
5.2	Prepare Agenda for JAD 2 Meeting	14	12.5
5.3	Prepare Resources for JAD 2 Meeting	14	10.5
5.4	▫ Project Management Update	6	4
5.4.1	Gant Chart Development	2	2
5.4.2	Cost Estimates	2	1
5.4.3	Time Sheets	2	1
5.5	▫ Report 2	12	7
5.5.1	Report 2 (Draft)	8	7
5.5.2	Report 2 (Revision)	4	0
5.6	▫ AWS Development (Images & ML)	20	14
5.6.1	360 Image Collection	10	7
5.6.2	Machine Learning Testing & Algorithm Processing	10	7
6	Team Meeting 4	8	8

ID	Task Name	Estimated Hours	Actual Hours
7	▫ PHASE 3: PROTOTYPE 1	149	123
7.1	Prepare Agenda for Prototype 1	10	10
7.2	Prepare Resources for Prototype 1	10	6
7.3	Team Meeting 5	8	8
7.4	Communication/Emails	2	3
7.5	▫ Project Management Update	10	6
7.5.1	Gant Chart Development	3	2
7.5.2	Cost Estimates	3	2
7.5.3	Time Sheets	4	2
7.6	▫ Report 3	21	18
7.6.1	Report 3 (Draft)	13	10
7.6.2	Report 3 (Revision)		0
7.6.3	Team Meeting 6	8	8
7.7	▫ AWS Finalize Images & Database Development	40	34
7.7.1	Team Meeting w/ UI Team	8	8
7.7.2	ERD & WBS Charts	2	3
7.7.3	Image Labeling	30	23
7.8	▫ Google API Development	40	30
7.8.1	GSV Python Script Development	20	15
7.8.2	GSV Python Script Testing/Refinement	20	15
7.9	Team Meeting 7	8	8



ID	Task Name	Estimated Hours	Actual Hours
8	▫ PHASE 4: PROTOTYPE 2	154	164
8.1	Prepare Agenda for Prototype 2	10	6
8.2	Prepare Resources for Prototype 2	10	6
8.3	Communication/Emails	3	4
8.4	Team Meeting 8	0	8
8.5	Instruction Documentation	0	8
8.6	▫ Project Management Update	6	10
8.6.1	Gant Chart Development	2	3
8.6.2	Cost Estimates	2	3
8.6.3	Time Sheets	2	4
8.7	▫ Report 4	22	22
8.7.1	Report 4 (Draft)	17	14
8.7.2	Report 4 (Revision)	5	0
8.7.3	Team Meeting w/ Stewert & Wu	0	8
8.8	▫ AWS Database Finalization	55	51
8.8.1	AWS Database Testing w/ Specified Fields	35	36
8.8.2	UI Team Coordination & Meeting	20	15
8.9	▫ Data Management/Manipulation	40	41
8.9.1	GSV Python Script Adjustments	5	8
8.9.2	GSV Metadata Collection	15	13
8.9.3	Litter Metrics Collated and Stored	20	20
8.10	Team Meeting 10	8	8

ID	Task Name	Estimated Hours	Actual Hours
9	▫ PHASE 5: Final	78	76
9.1	Communication/Emails	0	2
9.2	Final Report	15	10
9.3	Instruction Documentation of System	0	8
9.4	Team Meeting 11	0	8
9.5	▫ Final Presentation Preparation	63	48
9.5.1	Team Meeting 12	0	8
9.5.2	Prepare Agenda for Final Presentation	15	8
9.5.3	Prepare Slide Show for Final Presentation	23	12
9.5.4	Prepare Demonstration for Final Presentation	17	10
9.5.5	Final Team Meeting & Rehearse for Final Presentation	8	10

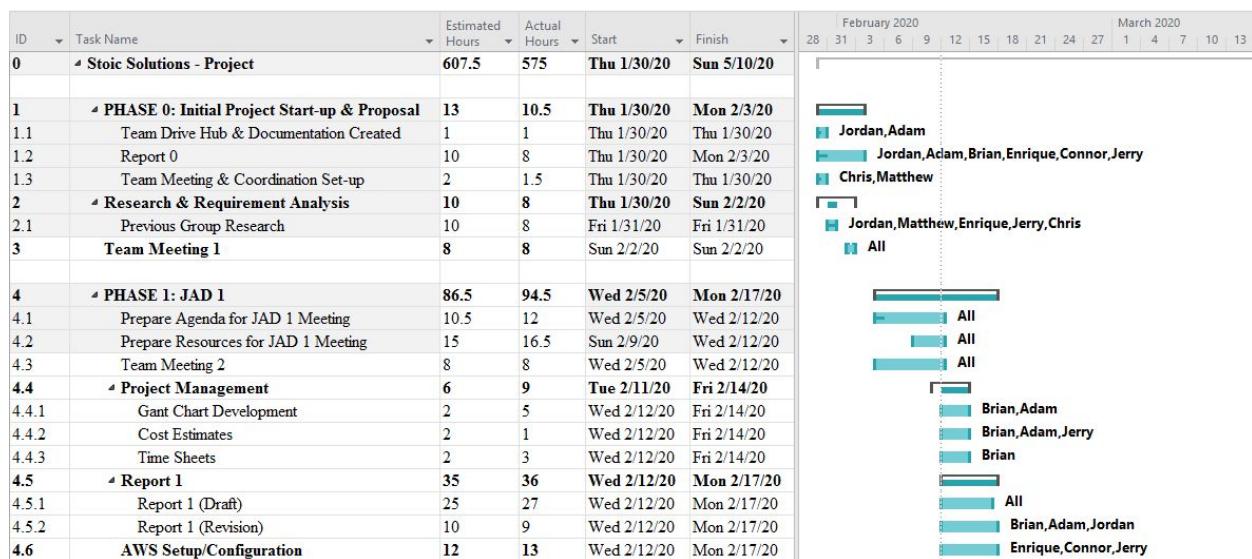


3.4 Statement of Total Price

As stated in our initial letter and agreement, the team will be operating at a rate of \$28.00 per hour for each member of Stoic Solutions. The AWS server for the Machine Learning Algorithm will cost .29 cents per hour to run. The database server is a Free Tier AWS RDS t2.micro and comes with 750 hrs of free use. We can export the database so future groups can use the data if needed. Altogether, the total cost of the entire project calculated is \$16,108.60.

3.5 Gantt Chart

Our gantt chart hours project actual hours for all Phases.





ID	Task Name	Estimated Hours	Actual Hours	Start	Finish	February 2020	March 2020
						28 31 3 6 9 12 15 18 21 24 27	1 4 7 10 13 16 19 22 25
5	▪ PHASE 2: JAD 2	74	56	Mon 2/24/20	Wed 3/4/20		
5.1	Team Meeting 3	8	8	Mon 2/24/20	Tue 3/3/20		All
5.2	Prepare Agenda for JAD 2 Meeting	14	12.5	Mon 2/24/20	Tue 3/3/20		All
5.3	Prepare Resources for JAD 2 Meeting	14	10.5	Mon 2/24/20	Sat 2/29/20		All
5.4	▪ Project Management Update	6	4	Sun 3/1/20	Sun 3/1/20		All
5.4.1	Gant Chart Development	2	2	Sun 3/1/20	Sun 3/1/20		Brian
5.4.2	Cost Estimates	2	1	Sun 3/1/20	Sun 3/1/20		Brian
5.4.3	Time Sheets	2	1	Sun 3/1/20	Sun 3/1/20		Brian
5.5	▪ Report 2	12	7	Mon 2/24/20	Sun 3/1/20		Brian, Adam
5.5.1	Report 2 (Draft)	8	7	Mon 2/24/20	Sun 3/1/20		Brian, Adam
5.5.2	Report 2 (Revision)	4	0	Mon 2/24/20	Wed 3/4/20		Brian, Adam
5.6	▪ AWS Development (Images & ML)	20	14	Mon 2/24/20	Sun 3/1/20		Jerry, Enrique, Matthew, Jordan
5.6.1	360 Image Collection	10	7	Mon 2/24/20	Sun 3/1/20		Jerry, Enrique, Matthew, Jordan
5.6.2	Machine Learning Testing & Algorithm Processing	10	7	Mon 2/24/20	Sun 3/1/20		Jerry, Enrique, Matthew, Jordan
6	Team Meeting 4	8	8	Sun 3/1/20	Sun 3/1/20		All

ID	Task Name	Estimated Hours	Actual Hours	Start	Finish	February 2020	March 2020	April 2020	
						28 31 3 6 9 12 15 18 21 24 27	1 4 7 10 13 16 19 22 25 28	31 3 6 9 12 15 18 21	
7	▪ PHASE 3: PROTOTYPE 1	149	123	Mon 3/2/20	Wed 3/25/20				All
7.1	Prepare Agenda for Prototype 1	10	10	Mon 3/16/20	Tue 3/17/20				All
7.2	Prepare Resources for Prototype 1	10	6	Mon 3/16/20	Tue 3/17/20				All
7.3	Team Meeting 5	8	8	Sun 3/15/20	Sun 3/15/20				Chris
7.4	Communication/Emails	2	3	Mon 3/23/20	Mon 3/23/20				Brian, Adam
7.5	▪ Project Management Update	10	6	Sat 3/14/20	Sun 3/15/20				Brian, Adam
7.5.1	Gant Chart Development	3	2	Sat 3/14/20	Sun 3/15/20				Brian, Adam
7.5.2	Cost Estimates	3	2	Sat 3/14/20	Sun 3/15/20				Brian, Adam
7.5.3	Time Sheets	4	2	Sat 3/14/20	Sun 3/15/20				Brian, Adam
7.6	▪ Report 3	21	18	Tue 3/17/20	Wed 3/25/20				All
7.6.1	Report 3 (Draft)	13	10	Tue 3/17/20	Mon 3/23/20				All
7.6.2	Report 3 (Revision)		0	Tue 3/17/20	Mon 3/23/20				All
7.6.3	Team Meeting 6	8	8	Tue 3/17/20	Tue 3/17/20				All
7.7	▪ AWS Finalize Images & Database Development	40	34	Mon 3/2/20	Sun 3/8/20				All
7.7.1	Team Meeting w/ UI Team	8	8	Tue 3/3/20	Tue 3/3/20				All
7.7.2	ERD & WBS Charts	2	3	Fri 3/6/20	Sat 3/7/20				All
7.7.3	Image Labeling	30	23	Mon 3/2/20	Sat 3/7/20				All
7.8	▪ Google API Development	40	30	Mon 3/9/20	Sun 3/15/20				All
7.8.1	GSV Python Script Development	20	15	Mon 3/9/20	Sun 3/15/20				All
7.8.2	GSV Python Script Testing/Refinement	20	15	Mon 3/9/20	Sun 3/15/20				All
7.9	Team Meeting 7	8	8	Sun 3/22/20	Sun 3/22/20				All

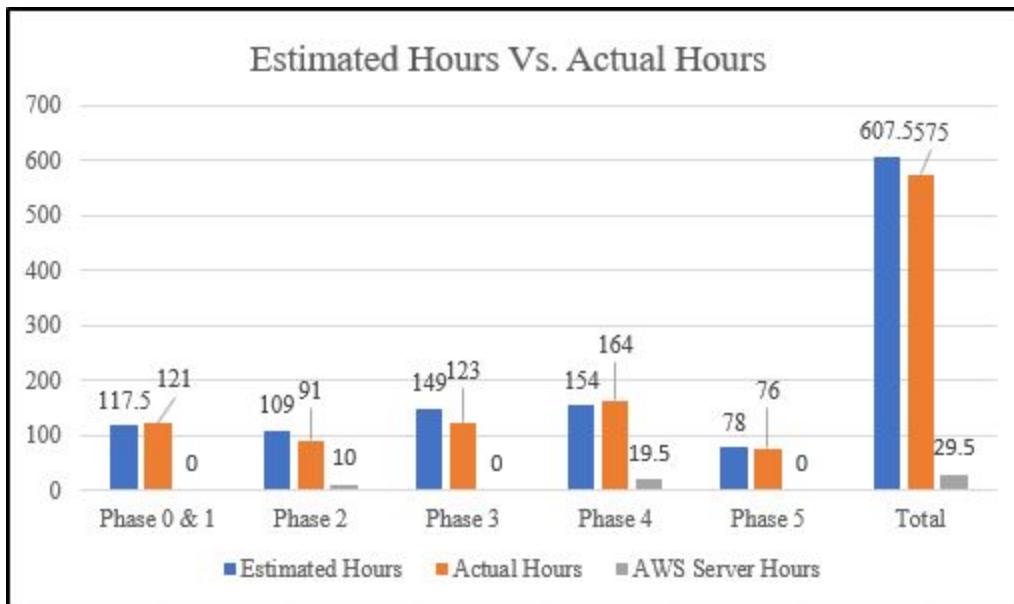
ID	Task Name	Estimated Hours	Actual Hours	Start	Finish	February 2020	March 2020	April 2020	May 2020
						28 31 3 6 9 12 15 18 21 24 27	1 4 7 10 13 16 19 22 25 28	31 3 6 9 12 15 18 21	30 3 6 9 12 15 18
8	▪ PHASE 4: PROTOTYPE 2	154	164	Mon 3/23/20	Wed 4/22/20				4/22
8.1	Prepare Agenda for Prototype 2	10	6	Mon 4/13/20	Tue 4/14/20				All
8.2	Prepare Resources for Prototype 2	10	6	Mon 4/13/20	Tue 4/14/20				All
8.3	Communication/Emails	3	4	Tue 3/24/20	Sat 4/18/20				Chris
8.4	Team Meeting 8	0	8	Sun 3/29/20	Sun 3/29/20				Brian, Adam
8.5	Instruction Documentation	0	8	Mon 3/23/20	Sun 4/19/20				Brian, Adam
8.6	▪ Project Management Update	6	10	Sat 4/18/20	Sun 4/19/20				Brian, Adam
8.6.1	Gant Chart Development	2	3	Sat 4/18/20	Sun 4/19/20				Brian, Adam
8.6.2	Cost Estimates	2	3	Sat 4/18/20	Sun 4/19/20				Brian, Adam
8.6.3	Time Sheets	2	4	Sat 4/18/20	Sun 4/19/20				Brian, Adam
8.7	▪ Report 4	22	22	Wed 4/15/20	Wed 4/22/20				All
8.7.1	Report 4 (Draft)	17	14	Fri 4/17/20	Sun 4/19/20				All
8.7.2	Report 4 (Revision)	5	0	Mon 4/20/20	Wed 4/22/20				All
8.7.3	Team Meeting w/ Stewart & Wu	0	8	Wed 4/15/20	Wed 4/15/20				All
8.8	▪ AWS Database Finalization	55	51	Mon 3/23/20	Sun 4/19/20				All
8.8.1	AWS Database Testing w/ Specified Fields	35	36	Mon 3/23/20	Sun 4/19/20				All
8.8.2	UI Team Coordination & Meeting	20	15	Sun 4/5/20	Sun 4/19/20				All
8.9	▪ Data Management/Manipulation	40	41	Mon 3/23/20	Sun 4/19/20				All
8.9.1	GSV Python Script Adjustments	5	8	Mon 4/13/20	Wed 4/15/20				All
8.9.2	GSV Metadata Collection	15	13	Mon 3/23/20	Sun 4/19/20				All
8.9.3	Litter Metrics Collated and Stored	20	20	Mon 3/23/20	Sun 4/19/20				All
8.10	Team Meeting 10	8	8	Sun 4/19/20	Sun 4/19/20				All

ID	Task Name	Estimated Hours	Actual Hours	Start	Finish	February 2020	March 2020	April 2020	May 2020
						28 31 3 6 9 12 15 18 21 24 27	1 4 7 10 13 16 19 22 25 28	31 3 6 9 12 15 18 21	30 3 6 9 12 15 18
9	▪ PHASE 5: Final	78	76	Mon 4/20/20	Sun 5/10/20				Chris, Adam
9.1	Communication/Emails	0	2	Mon 4/20/20	Sun 5/10/20				Brian, Adam
9.2	Final Report	15	10	Mon 5/4/20	Sun 5/10/20				Jordan, Jerry, Mathew
9.3	Instruction Documentation of System	0	8	Mon 4/20/20	Sun 5/10/20				Connor, Jerry, Jordan, Ricky
9.4	Team Meeting 11	0	8	Sun 4/26/20	Sun 4/26/20				Connor, Jerry, Jordan, Mathew, Ricky
9.5	▪ Final Presentation Preparation	63	48	Mon 4/20/20	Sun 5/10/20				Jerry, Jordan
9.5.1	Team Meeting 12	0	8	Sun 5/3/20	Sun 5/3/20				Jerry, Jordan
9.5.2	Prepare Agenda for Final Presentation	15	8	Fri 5/8/20	Sun 5/10/20				Jerry, Jordan
9.5.3	Prepare Slide Show for Final Presentation	23	12	Fri 5/8/20	Sun 5/10/20				Jerry, Jordan
9.5.4	Prepare Demonstration for Final Presentation	17	10	Fri 5/8/20	Sun 5/10/20				Jerry, Jordan
9.5.5	Final Team Meeting & Rehearse for Final Presentation	8	10	Sun 5/10/20	Sun 5/10/20				All



3.6 Initial Project Cost Tracking Chart

Below are the costs accumulated based on the team's total hours worked. AWS was not configured entirely for Phase 0 & 1, but is represented and accrued at later phases. Phase 5 primarily consists of work on documentation.





3.7 Statement of Deliverables

The Stoic Solutions team will deliver the following final products:

- Street2.1.py
 - Python script used for parsing GPX files, fetching images from Google Street View, and storing them locally on a machine.
- StoicSolutions_KABProcessor.ipynb
 - Python script used for processing images on the machine learning server and saving image data to a text file in the format: [Latitude],[Longitude],[KAB Rank],[Litter Count],[Date Processed].
- SanMarcosData.txt
 - Text file produced by StoicSolutions_KABProcessor.ipynb containing data for all processed images. This data is unrefined and is not representative of what will appear in the database. Mainly, there will exist duplicate latitude/longitude pairs because each coordinate produces two angles.
- Database Implementation & Details
 - Database ERD (Entity Relationship Diagram)
 - Database credentials and access parameters.
- Documentation
 - All above information is located on the GitHub link located below.
 - GitHub link: https://github.com/stoicSolutions/cis490_2020_project

3.8 Outline of Resources Needed

The following resources are what the Stoic Solutions team will be supplying:

- Extensive Knowledge of AWS and database implementation.
- Updated documentation.
- Research and testing.
- Database credentials and access.



The following resources are what the Stoic Solutions team will need supplied from Dr. Stewart:

- Source code from previous team (Machine learning system).
- AWS Server Instance and Funding.
- Possible extra student labor to gather images since we will be doing a 360 view requiring 4 images rather than 1.
- Signage and approval for the Stoic Solutions team to continue working on the project.
- Availability for future meetings.

4. Further Enhancements

A future enhancement that should be implemented by a future team would be to automate route collection. This will make defining geographic areas much more smoother and would take away the tedious work required by the users since they won't have to manually create them.

Another improvement that could improve the project as a whole would be to speed up the ML algorithm's processing speed. This will not only save time for future users who work on the project but, in order to make this algorithm into a full fledged app that will eventually be used by the world, it will need to be much faster.

The algorithm as it stands now gets the job done but, other than the improvements mentioned above there was one other that was tossed around during development that was out of scope for our portion of the project. This includes modifying the algorithm so that it can pinpoint specific objects in the images rather than just identifying it as trash.

Overall, over the course of the semester Stoic Solutions was able to finish all work within its scope and created a functional database that can be up-dated by the ML algorithm created by the previous team.



Team Information



Stoic Solutions



Chris Bertram
Team Leader
Email: bertr009@cougars.csusm.edu
Phone: (760) 716-9679

My role on the Stoic Solutions team is Team Leader. My primary role is to facilitate communication between different members of the team and the client(s) to ensure no losses in productivity and maintain continuity and consistency in the product, communication based or otherwise. This includes

scheduling meeting times and providing documentation for various communications and workflows.



Stoic Solutions



Adam Hebel
Project Manager
Email: hebel001@cougars.csusm.edu
Phone: (760) 580-1045

My primary role on Stoic Solutions is Project Manager. This includes organizing and managing tasks that will take place during the project and making sure that all members have something to work on and contribute to the project. In addition I will be helping with documentation and making sure every

submission and task for the project is completed by the specified date as well as assisting where any other help is needed.



Stoic Solutions



Jerry Compton
Database Admin & Web Programmer
Email: compt008@cougars.csusm.edu
Phone: (951) 287-8897

My role within Stoic Solutions is to help administer our new system onto AWS such that it can successfully deliver data to the KAB UI team. Another key responsibility will be ensuring that our data is of the desired format for the UI team. My background is in web development so I believe that I

am well suited for these roles. Along with that, I will be communicating effectively with my team members to ensure that we are on track for all phases of the project.



Stoic Solutions

**Brian Rattanasith***Documentation/Training*

Email: ratta005@cougars.csusm.edu

Phone: (760) 417-0548

My primary role in Stoic Solutions is documentation and training, but not limited to anything the team needs help with (Coding, configuring, etc...). My strength/focus is to understand, organize, and present the information given, so that everyone and everything correlates in a timely manner.



Stoic Solutions

**Matthew Adamus***System Analyst*

Email: adamu002@cougars.csusm.edu

Phone: (760) 484-7113

My tasks include problem anticipation, system utilization, refinement of abstract ideas, and documentation of the project as we progress. When applicable I will turn useful data or ideas still in the process of being defined, into visual representations. I will float to tasks as assigned by the Project Manager.



Stoic Solutions

**Connor Myers***Database Admin & Web Programmer*

Email: myers060@cougars.csusm.edu

Phone: (760) 916-3812

My role within Stoic Solutions is to work with our AWS Database and make sure that the UI team can use our data. My strength and focus is understanding data that is created and making it understandable for anyone to use.



Stoic Solutions

**Enrique Jimenez***Programmer*

Email: jimen120@cougars.csusm.edu

Phone: (951) 796-3602

My role within the Stoic Solutions team is to review and understand all documentation from the previous team and use my software development experience to add any necessary alterations and improvements so that our project goals are met.



Stoic Solutions



Jordan Mower
Documentation/Training
Email: mower003@cougars.csusm.edu
Phone: (760) 213-7175

My role in Stoic Solutions will be focused on documentation and training. However, since I have previous experience using Amazon Web Services and Python I will be helping the team with those aspects as well. I am suited for this role because of my attention to detail and organizational skills. Both of

which are required for producing documents that future customers and programmers will find useful.



Appendix

Stoic Solutions Timesheets

Week 2:

TIMESHEET: Brian Ratanasith			ORGANIZATION: Stoic Solutions			POSITION: Documentation & Training			TIMESHEET: Adam Hebel			ORGANIZATION: Stoic Solutions			POSITION: Project Management								
WEEK 2 01.27.20 - 02.02.20									WEEK 2 01.27.20 - 02.02.20														
TASK ID	MON 01.27.20	TUE 01.28.20	WED 01.29.20	THU 01.30.20	FRI 01.31.20	SAT 02.01.20	SUN 02.02.20	TASK ID	MON 01.27.20	TUE 01.28.20	WED 01.29.20	THU 01.30.20	FRI 01.31.20	SAT 02.01.20	SUN 02.02.20								
1.2	PLANNED 1.0	ACTUAL 2.0	PLANNED 	ACTUAL 	PLANNED 	ACTUAL 	PLANNED 	ACTUAL 	1, 1, 1.2	PLANNED 1.0	ACTUAL 1.0	PLANNED 0.5	ACTUAL 0.5	PLANNED 	ACTUAL 	PLANNED 	ACTUAL 						
SIGNATURE: 	TOTAL: PLANNED 1 ACTUAL 2						SIGNATURE: 	TOTAL: PLANNED 1 ACTUAL 1.5						SIGNATURE: 	TOTAL: PLANNED 1 ACTUAL 1.5								
TIMESHEET: Jordan Mower									TIMESHEET: Matthew Adamus														
WEEK 2 01.27.20 - 02.02.20									WEEK 2 01.27.20 - 02.02.20														
TASK ID	MON 01.27.20	TUE 01.28.20	WED 01.29.20	THU 01.30.20	FRI 01.31.20	SAT 02.01.20	SUN 02.02.20	TASK ID	MON 01.27.20	TUE 01.28.20	WED 01.29.20	THU 01.30.20	FRI 01.31.20	SAT 02.01.20	SUN 02.02.20								
1, 1, 1, 2	PLANNED 1.00	ACTUAL 1.00	PLANNED 	ACTUAL 0.50	PLANNED 0.50	ACTUAL 0.50	PLANNED 	ACTUAL 	1.3	PLANNED 	ACTUAL 	PLANNED 	ACTUAL 1.0	PLANNED 	ACTUAL 1.0	PLANNED 	ACTUAL 						
2, 2.1									2, 2.1														
SIGNATURE: 	TOTAL: PLANNED 2.5 ACTUAL 2.5						SIGNATURE: 	TOTAL: PLANNED 5 ACTUAL 5						SIGNATURE: 	TOTAL: PLANNED 5 ACTUAL 5								



Week 3:

SIGNATURE: Brian

TOTAL: PLANNED 5

SIGNATURE:

TOTAL: PLANNED 5

SIGNATURE: Yael Mae

TOTAL PLANNED 7.5
ACTUAL 7.5

SIGNATURE: MBA

TOTAL: PLANNED 5
ACTUAL 5

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer			
WEEK 3 02.03.20 - 02.09.20						Stoic Solutions	
TASK ID	MON 02.03.20	TUE 02.04.20	WED 02.05.20	THU 02.06.20	FRI 02.07.20	SAT 02.08.20	SUN 02.09.20
3.0	Planned: 1.0	Actual: 1.0					
4.4,1,4,2	1.0	1.0	1.0	1.0	1.0		
4.3							1.0

SIGNATUR *Enrique J. Mena*

TOTAL: PLANNED 5
ACTUAL 5

TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin			
WEEK 3 02.05.20 - 02.09.20							
TASK ID	MON 02.03.20	TUE 02.04.20	WED 02.05.20	THU 02.06.20	FRI 02.07.20	SAT 02.08.20	SUN 02.09.20
3.0	Planned 1.0	Actual 1.0					
4.4,1,4.2		Planned 1.0	Actual 2.0		Planned 1.0	Actual 1.0	
4.3							Planned 1.0

SIGNATURE: *John*

TOTAL: PLANNED 4
ACTUAL 5

SIGNATURE 

TOTAL: PLANNED 7
ACTUAL 7

TIME SHEET: Chris Bertram		ORGANIZATION: Stoic Solutions			POSITION: Team Leader		
WEEK 9 02.03.20 - 02.09.20							
Task ID	Mon 02.03.20	Tue 02.04.20	Wed 02.05.20	Thu 02.06.20	Fri 02.07.20	Sat 02.08.20	Sun 02.09.20
	Planned	Actual	Planned	Actual	Planned	Actual	Planned
3.0	1.0	1.0					
4.4,4.4.2	1.0	1.0	1.0	1.0	1.0		
4.3							1.0
							1
<u>Signature</u> 						TOTAL: PLANNED ACTUAL	
						5 5	

SIGNATURE *Chris Johnson*

TOTAL: PLANNED 5
ACTUAL 5



Week 4:



Week 5:



Week 6:

TIMESHEET: Brian Rattanasith		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		Stoic Solutions															
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		10	10														
5.4, 5.4.1, 5.4.2, 5.4.3			10	10																	
5.5, 5.5.1																					
6.0																					
SIGNATURE: <i>Brian R.</i>														TOTAL: PLANNED 10 ACTUAL 10							
TIMESHEET: Adam Hebel																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		10	10														
5.5, 5.5.1																					
6.0																					
SIGNATURE: <i>A. Hebel</i>														TOTAL: PLANNED 10 ACTUAL 9							
TIMESHEET: Jordan Mower																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		10	10														
5.6, 5.6.1, 5.6.2																					
6.0																					
SIGNATURE: <i>J. Mower</i>														TOTAL: PLANNED 8 ACTUAL 7							
TIMESHEET: Matthew Adamus																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		3.0	3.0														
5.6, 5.6.1, 5.6.2																					
6.0																					
SIGNATURE: <i>M. Adamus</i>														TOTAL: PLANNED 9.5 ACTUAL 9.5							
TIMESHEET: Enrique Jimenez																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		10	10														
5.6, 5.6.1, 5.6.2																					
6.0																					
SIGNATURE: <i>E. Jimenez</i>														TOTAL: PLANNED 7 ACTUAL 7							
TIMESHEET: Connor Myers																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	10	10		10	10														
5.6																					
6.0																					
SIGNATURE: <i>C. Myers</i>														TOTAL: PLANNED 5 ACTUAL 5							
TIMESHEET: Jerry Compton																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.2		5.3	10	10		10	10														
5.6, 5.6.1, 5.6.2																					
6.0																					
SIGNATURE: <i>J. Compton</i>														TOTAL: PLANNED 10.5 ACTUAL 10.5							
TIMESHEET: Chris Bertram																					
WEEK 6 02.24.20 - 03.1.20						MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN		
		Task ID	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	
5.1.5.2		5.3	100	100	0.50	0.50	100	100													
6.0																					
SIGNATURE: <i>C. Bertram</i>														TOTAL: PLANNED 7 ACTUAL 6							



Week 7:

TIMESHEET: Brian Rattanasith		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training																					
WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions							
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL						
7.7.1			1.0		1.0																				
SIGNATURE: <u>Brian Rattanasith</u>										PLANNED: 1.00 ACTUAL: 1.00															
TIMESHEET: Jordan Mower		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions	
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL						
7.7.1			1.0	1.0																					
7.7.3					2.0	2.0	2.0	2.0					2.0	2.0											
SIGNATURE: <u>Jordan Mower</u>										PLANNED: 7.00 ACTUAL: 7.00															
TIMESHEET: Matthew Adamus		ORGANIZATION: Stoic Solutions		POSITION: System Analyst		WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions	
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL						
7.7.1			1.0	1.0																					
SIGNATURE: <u>M. Adamus</u>										PLANNED: 1.00 ACTUAL: 100															

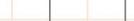
TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer																					
WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions							
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL						
7.7.1			1.0	1.0																					
7.7.3					2.0	2.0	1.0	1.0	1.0	1.0								1.0	1.0						
SIGNATURE: <u>Enrique Jimenez</u>										PLANNED: 6.00 ACTUAL: 6.00															
TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions	
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL						
7.7.1			1.0	1.0																					
7.7.2																		1.0	1.0						
7.7.3					2.0	2.0	1.0	1.0	1.0	1.0								1.0	1.0						
SIGNATURE: <u>Connor Myers</u>										PLANNED: 9.00 ACTUAL: 8.00															
TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions	
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL								
7.7.1			1.0	1.0																					
7.7.3					2.0	3.0	2.0	2.0					2.0	2.0											
SIGNATURE: <u>Jerry Compton</u>										PLANNED: 7.00 ACTUAL: 8.00															
TIMESHEET: Chris Bertram		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		WEEK 7 03.2.20 - 03.8.20		TASK ID		MON 03.2.20		TUE 03.3.20		WED 03.4.20		THU 03.5.20		FRI 03.6.20		SAT 03.7.20		SUN 03.8.20		Stoic Solutions	
		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL								
7.4			0.5	1.0																					
7.7.1					1.0	1.0																			
SIGNATURE: <u>Chris Bertram</u>										PLANNED: 1.50 ACTUAL: 2.00															



Week 8:



Week 9:

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer				TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin																			
WEEK 9 03.16.20 - 03.22.20		Stoic Solutions										WEEK 9 03.16.20 - 03.22.20		Stoic Solutions																	
TASK ID	MON 03.16.20	TUE 03.17.20	WED 03.18.20	THU 03.19.20	FRI 03.20.20	SAT 03.21.20	SUN 03.22.20	TASK ID	MON 03.16.20	TUE 03.17.20	WED 03.18.20	THU 03.19.20	FRI 03.20.20	SAT 03.21.20	SUN 03.22.20																
7.1.7.2	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0		PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0														
7.3					10	10																									
7.9																		10	10												
SIGNATURE: 		PLANNED: 4.00				ACTUAL: 4.00				SIGNATURE: 				PLANNED: 3.00				ACTUAL: 3.00													
TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		Stoic Solutions										TIMESHEET: Chris Bertrum		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		Stoic Solutions									
WEEK 9 03.16.20 - 03.22.20		Stoic Solutions										WEEK 9 03.16.20 - 03.22.20		Stoic Solutions																	
TASK ID	MON 03.16.20	TUE 03.17.20	WED 03.18.20	THU 03.19.20	FRI 03.20.20	SAT 03.21.20	SUN 03.22.20	TASK ID	MON 03.16.20	TUE 03.17.20	WED 03.18.20	THU 03.19.20	FRI 03.20.20	SAT 03.21.20	SUN 03.22.20																
7.1.7.2	PLANNED: 2.0	ACTUAL: 2.0	PLANNED: 2.0	ACTUAL: 2.0		PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0	PLANNED: 1.0	ACTUAL: 1.0										
7.3					10	10																									
7.9																		10	10												
																		10	10												
SIGNATURE: 		PLANNED: 6.00				ACTUAL: 6.00				SIGNATURE: 				PLANNED: 4.00				ACTUAL: 4.00													



Week 10:

TIMESHEET: Brian Rattanath		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		TIMESHEET: Adam Hebel		ORGANIZATION: Stoic Solutions		POSITION: Project Management																									
WEEK 10 03.23.20 - 03.29.20												WEEK 10 03.23.20 - 03.29.20																							
TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20		TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20							
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL										
8.4															8.4																				
SIGNATURE: 	PLANNED:		ACTUAL:		1.00										SIGNATURE: 	PLANNED:		ACTUAL:		1.00															
TIMESHEET: Jordan Mower					1.00										SIGNATURE: 																				
WEEK 10 03.23.20 - 03.29.20												WEEK 10 03.23.20 - 03.29.20												TIMESHEET: Matthew Adamsius											
TIMESHEET: Jordan Mower		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		TIMESHEET: Matthew Adamsius		ORGANIZATION: Stoic Solutions		POSITION: System Analyst		TIMESHEET: Matthew Adamsius												ORGANIZATION: Stoic Solutions											
WEEK 10 03.23.20 - 03.29.20												WEEK 10 03.23.20 - 03.29.20												POSITION: System Analyst											
TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20		TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20							
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL										
8.4															8.4																				
8.8.1	10	1.0					10	1.0	2.0	2.0	2.0	2.0	1.0	1.0	8.8.1																				
8.8.2																																			
8.5																																			
SIGNATURE: 	PLANNED:		ACTUAL:		11.00										SIGNATURE: 	PLANNED:		ACTUAL:		2.00															
TIMESHEET: Matthew Adamsius															SIGNATURE: 											ORGANIZATION: Stoic Solutions									
WEEK 10 03.23.20 - 03.29.20												WEEK 10 03.23.20 - 03.29.20												POSITION: System Analyst											
TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20		TASK ID	MON 03.23.20		TUE 03.24.20		WED 03.25.20		THU 03.26.20		FRI 03.27.20		SAT 03.28.20		SUN 03.29.20							
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL										
8.4															8.4																				
8.8.1	10	1.0					10	1.0	2.0	2.0	2.0	2.0	1.0	1.0	8.8.1																				
8.8.2																																			
8.5																																			
SIGNATURE: 	PLANNED:		ACTUAL:		11.00										SIGNATURE: 	PLANNED:		ACTUAL:		2.00															
TIMESHEET: Matthew Adamsius															SIGNATURE: 											ORGANIZATION: Stoic Solutions									
WEEK 10 03.23.20 - 03.29.20												WEEK 10 03.23.20 - 03.29.20												POSITION: System Analyst											



Week 11:

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer		TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin																				
WEEK 11 03.30.20 - 04.5.20												WEEK 11 03.30.20 - 04.5.20																		
TASK ID	MON 03.30.20		TUE 03.31.20		WED 04.1.20		THU 04.2.20		FRI 04.3.20		SAT 04.4.20		SUN 04.5.20		TASK ID	MON 03.30.20		TUE 03.31.20		WED 04.1.20		THU 04.2.20		FRI 04.3.20		SAT 04.4.20		SUN 04.5.20		
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL					
8.8.1	1.0	1.0													8.8.1	1.0	1.0													
8.8.2															8.8.2														1.0	1
SIGNATURE: 												PLANNED: 2.00		SIGNATURE: 												PLANNED: 2.00				
SIGNATURE: 												ACTUAL: 2.00		SIGNATURE: 												ACTUAL: 2.00				
TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		TIMESHEET: Chris Bertrum		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		TIMESHEET: Chris Bertrum												TIMESHEET: Chris Bertrum						
WEEK 11 03.30.20 - 04.5.20												WEEK 11 03.30.20 - 04.5.20												ORGANIZATION: Stoic Solutions						
TASK ID	MON 03.30.20		TUE 03.31.20		WED 04.1.20		THU 04.2.20		FRI 04.3.20		SAT 04.4.20		SUN 04.5.20		TASK ID	MON 03.30.20		TUE 03.31.20		WED 04.1.20		THU 04.2.20		FRI 04.3.20		SAT 04.4.20		SUN 04.5.20		
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL					
8.8.1	2.0	2.0	2.0	2.0			10	10	2.0	2.0					8.8.2														10	1
8.8.2							2.0	2.0							8.5														10	1
SIGNATURE: 												PLANNED: 11.00		SIGNATURE: 												PLANNED: 2.00				
SIGNATURE: 												ACTUAL: 11.00		SIGNATURE: 												ACTUAL: 2.00				



Week 12:

TIMESHEET: Brian Rattanasith		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		Stoic Solutions																																																
WEEK 12 04.6.20-04.12.20						MON 04.6.20							TUE 04.7.20							WED 04.8.20							THU 04.9.20							FRI 04.10.20							SAT 04.11.20							SUN 04.12.20						
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL										
SIGNATURE: <i>Brian R.</i>																																																						
		PLANNED:		0.00																																																		
		ACTUAL:		0.00																																																		
TIMESHEET: Jordan Mower		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		Stoic Solutions														WEEK 12 04.6.20-04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20						
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL										
8.9.2		10		10				2.0		2.0						10		10		3.0		3.0																																
8.9.3																																																						
8.5								10		10																																												
SIGNATURE: <i>Jordan M.</i>																																																						
		PLANNED:		13.00																																																		
		ACTUAL:		13.00																																																		

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer		Stoic Solutions														WEEK 12 04.6.20-04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20	
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL									
8.9.2		10		10				2.0		2.0						10		10		3.0		3.0																											
8.9.3																																																	
8.5								10		10																																							
SIGNATURE: <i>Enrique Jimenez</i>																																																	
		PLANNED:		0.00																																													
		ACTUAL:		0.00																																													
TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		Stoic Solutions														WEEK 12 04.6.20-04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20	
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL									
8.9.2		10		10				2.0		2.0				10		10		2.0		2.0																													
8.9.3																																																	
8.5								10		10																																							
SIGNATURE: <i>Jerry Compton</i>																																																	
		PLANNED:		15.00																																													
		ACTUAL:		15.00																																													
TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		Stoic Solutions														WEEK 12 04.6.20-04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20	
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL													
8.3																																																	
SIGNATURE: <i>Connor Myers</i>																																																	
		PLANNED:		0.00																																													
		ACTUAL:		0.00																																													
TIMESHEET: Chris Bertram		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		Stoic Solutions														WEEK 12 04.6.20-04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20		MON 04.6.20		TUE 04.7.20		WED 04.8.20		THU 04.9.20		FRI 04.10.20		SAT 04.11.20		SUN 04.12.20	
TASK ID		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL		PLANNED		ACTUAL													
8.3																																																	
SIGNATURE: <i>Chris Bertram</i>																																																	
		PLANNED:		1.00																																													
		ACTUAL:		100																																													



Week 13:



Week 14:

TIMESHEET: Brian Rattanasi		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.4																														

SIGNATURE: Brian RattanasiPLANNED: 1.00
ACTUAL: 1.00

TIMESHEET: Jordan Mower		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.3																														
9.4																														

SIGNATURE: Jordan MowerPLANNED: 2.00
ACTUAL: 2.00

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.4																														

SIGNATURE: Enrique JimenezPLANNED: 1.00
ACTUAL: 1.00

TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.4																														

SIGNATURE: Connor MyersPLANNED: 1.00
ACTUAL: 1.00

TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.3																														
9.4																														

SIGNATURE: Jerry ComptonPLANNED: 2.00
ACTUAL: 2.00

TIMESHEET: Chris Bertram		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		Stoic Solutions																								
WEEK 14 04.20.20 - 04.26.20		TASK ID MON 04.20.20		TUE 04.21.20		WED 04.22.20		THU 04.23.20		FRI 04.24.20		SAT 04.25.20		SUN 04.26.20		Planned		Actual		Planned		Actual		Planned		Actual				
9.1																														
9.4																														

SIGNATURE: Chris BertramPLANNED: 1.50
ACTUAL: 1.50



Week 15:

TIMESHEET: Enrique Jimenez		ORGANIZATION: Stoic Solutions		POSITION: Programmer		TIMESHEET: Connor Myers		ORGANIZATION: Stoic Solutions		POSITION: Database Admin																			
WEEK 15 04.27.20 - 05.3.20												WEEK 15 04.27.20 - 05.3.20																	
TASK ID	MON 04.27.20		TUE 04.28.20		WED 04.29.20		THU 04.30.20		FRI 05.1.20		SAT 05.2.20		SUN 05.3.20		TASK ID	MON 04.27.20		TUE 04.28.20		WED 04.29.20		THU 04.30.20		FRI 05.1.20		SAT 05.2.20		SUN 05.3.20	
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL				
9.5.1																													
SIGNATURE: 												PLANNED: 1.00		SIGNATURE: 												PLANNED: 1.00			
SIGNATURE: 												ACTUAL: 1.00		SIGNATURE: 												ACTUAL: 100			
TIMESHEET: Jerry Compton		ORGANIZATION: Stoic Solutions		POSITION: Database Admin		TIMESHEET: Chris Bertrum		ORGANIZATION: Stoic Solutions		POSITION: Team Leader		WEEK 15 04.27.20 - 05.3.20												WEEK 15 04.27.20 - 05.3.20					
TASK ID	MON 04.27.20		TUE 04.28.20		WED 04.29.20		THU 04.30.20		FRI 05.1.20		SAT 05.2.20		SUN 05.3.20		TASK ID	MON 04.27.20		TUE 04.28.20		WED 04.29.20		THU 04.30.20		FRI 05.1.20		SAT 05.2.20		SUN 05.3.20	
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL					
9.5.1																													
9.3																													
SIGNATURE: 												PLANNED: 2.00		SIGNATURE: 												PLANNED: 1.50			
SIGNATURE: 												ACTUAL: 2.00		SIGNATURE: 												ACTUAL: 150			



Week 16:

TIMESHEET: Brian Rattanath		ORGANIZATION: Stoic Solutions		POSITION: Documentation & Training				TIMESHEET: Adam Hebel		ORGANIZATION: Stoic Solutions		POSITION: Project Management											
WEEK 16 05.4.20 - 05.10.20								WEEK 16 05.4.20 - 05.10.20															
TASK ID	MON 05.4.20	TUE 05.5.20	WED 05.6.20	THU 05.7.20	FRI 05.8.20	SAT 05.9.20	SUN 05.10.20	TASK ID	MON 05.4.20	TUE 05.5.20	WED 05.6.20	THU 05.7.20	FRI 05.8.20	SAT 05.9.20	SUN 05.10.20								
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL							
3.2					10	10	3.0	3.0	10	10					1.0	1.0							
9.5							1.0	1.0	10	10	1.0	2.0	2.0			2							
					PLANNED:		9.00					PLANNED:		9.50									
SIGNATURE: 					ACTUAL:		3.00					ACTUAL:		3.50									
TIMESHEET: Jordan Mower								TIMESHEET: Matthew Adamus															
WEEK 16 05.4.20 - 05.10.20								WEEK 16 05.4.20 - 05.10.20															
TASK ID	MON 05.4.20	TUE 05.5.20	WED 05.6.20	THU 05.7.20	FRI 05.8.20	SAT 05.9.20	SUN 05.10.20	TASK ID	MON 05.4.20	TUE 05.5.20	WED 05.6.20	THU 05.7.20	FRI 05.8.20	SAT 05.9.20	SUN 05.10.20								
	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL							
9.3							2.0	2.0							1.0	1.0							
9.5							3.0	3.0	4.0	4.0	3.0	3.0			2								
					PLANNED:		12.00					PLANNED:		3.00									
SIGNATURE: 					ACTUAL:		12.00					ACTUAL:		3.00									