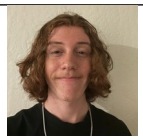
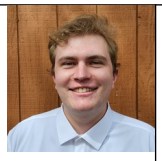
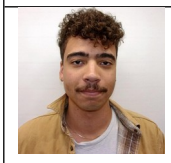
Weekly Team Task Report

report 5

Team: Ares							**Date:10/20/2022**
Project Title: AirFlow Processing Pipeline							
	**Hunter** Present On-time		**Quinton** Present On-time		**Chris** Present On-time		**Richard** Present On-time
	**Isaiah** Present On-time						

Recent Meetings:

- 10/13/22 team meeting following mentor meeting to practice presentation
- 10/17/22 client/team meeting discussing tech feasibility

TASKS COMPLETED since last meeting:

Task Title: Finalized Team Website	**Task Initiation:** 10/10/2022	**Orig. Due Date:** 10/14/2022	**Status:** Complete
Who (%): Quinton (80%) Chris (20%)			
Description: Although the team website is currently live, it is not fully representative of the project, nor of the people involved. For this process, we will further develop the website such that it meets the requirements set in the D4P Website Guidelines document. In addition to the website code, body text will be written asynchronously from site development.			
Expected Outcome: Initial website completed to higher spec as defined in D4P: Website Guidelines document. Can be viewed at: https://www.ceias.nau.edu/capstone/projects/CS/2022/TeamAres_F22/			

Task Title: Filled in the website's future and present needed information	**Task Initiation:** 10/10/2022	**Orig. Due Date:** 10/14/2022	**Status:** Work in progress (60%)
Who (%): Chris (80%) Quinton (20%)			
Description: As the website needs to be updated and informative, our team filled in and finalized the descriptors of our team website. The website is not complete as many of the required fields are not yet able to be filled out (e.g. screenshots and descriptions of an actionable product from tea Ares). All relevant data was written outside of the website, and will be filled in as necessary,			
Expected outcome: Working and actionable website that gives the reader the necessary data and information about our team and mission			

Task Title: Tech Feasibility research for airflow	**Task Initiation:** 10/13/22	**Orig. Due Date:** 10/24/22	**Status:** in-progress 75%
Who (%): Hunter 100%			

Description: • **Looking into the feasibility of airflow for use as our pipelining software** • **issue with it not having drag and drop none coding building** • **Mr. Hare found a plugin that will work wonderfully for drag and drop** • **more research required at this time**
Expected Outcome: air flow is the perfect pipeline software.

Task Title: Tech Feasibility research for Airflow GUI	**Task initiation:** 10/13/22	**Orig. Due Date:** 10/24/22	**Status:** in-progress 65%
Who (%): Chris 100%			
Description: • **Looked into the feasibility of airflow as a possible pipeline software** • **Possible issue with no GUI** • **Looked into Airflow documentation found suitable evidence of an "In-House" GUI** • **Found useful DAG "best practices"** • **more research required at this time**			
Expected outcome: Airflow has a GUI that is suitable for our project's needs			

Task Title: Tech Feasibility research for Airflow - Apache use with Kalasiris	**Task initiation:** 10/13/22	**Orig. Due Date:** 10/24/22	**Status:** in-progress 65%
Who (%): Isaiah 100%			
Description: • **Looked over Apache Airflow** • **Looked into accessing local files through a pseudo remote server** • **Came to conclusion to use a few "workarounds"**			
Expected Outcome: there is no reason kalasiris would not work with apache airflow			

Task Title: Tech Feasibility research for Airflow - DAGS and Alternatives	**Task initiation:** 10/13/22	**Orig. Due Date:** 10/24/22	**Status:** in-progress 65%
Who (%): Richard 100%			
Description: • **Researched specific issues regarding Apache Airflow the client was concerned with** • **Concluded Apache Airflow does not have a graphical interface for creating DAGs** • **Researched alternative product by Amazon which does offer this feature** • **Apache is likely still the best option at this point, following the constraints the client specified**			
Expected Outcome: Clear understanding of Apache Airflow and competitor products with regards to DAG design			

This week's Tasks: Work plan for coming week

Task Title: Tech feasibility draft	**Task Initiation: 10/13/22**	**Orig. Due Date: 10/27/22**	**Status:** in-progress
Who (%): all team members			
Description: A report that will outline the technologies we will be using to build our project as well as touch on why the choices we have made are best for our project.			
Expected Outcome: A near perfect draft that will allow us to hit the final out of the park in terms of quality			

Task Title: Finalize Feasibility Research	**Task Initiation: 10/13/22**	**Orig. Due Date: 10/24/22**	**Status:** in-progress
Who (%): all team members			

Description: All team members will conclude their research into various feasibility aspects in preparation of drafting the feasibility documents.
Expected Outcome: All team members will have concluded their research in a presentable way

Task Title: Update Website w/ Deliverables and Meeting Minutes	**Task Initiation: 10/13/22**	**Orig. Due Date: 10/27/22**	**Status:** in-progress
Who (%): all team members			
Description: The team will update the team website with all deliverables that have been completed, as well as add a section for meeting minutes and task reports to serve as an easily accessible public archive.			
Expected Outcome: The team website will have all completed deliverables, task reports, and minutes available			

Upcoming Tasks: Planning

Task Title: Tech Feasibility final	**Who (%): all team members**	**Rough Due Date: 10/10/22**
Description: Edits and revisions made to the draft and submitted as the final. as well as the being the blueprint we will follow going forward		

Task Title: Poster for Dec. conference	**Who (%): all team members**	**Rough Due Date: before thanksgiving**
Description: poster needs to be made so we can show off what we have worked on and planned to develop next semester, for a variety of reasons.		

Task Title: Requirements Document Draft	**Who (%): all team members**	**Rough Due Date: 11/21/22**
Description: description of your project's requirements, both functional and non-functional		

Other Problems / Other Issues:

- none so far.