



# Training Tracker

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# Problem Statement

**UTMs tracking individuals' progress across multiple platform, but data is not consolidated and system is not user-friendly. UTM's use these disparate systems along with Excel documents to track all personnel certificates**




**U.S. AIR FORCE**

# Technical Solution Overview

- Sponsor wanted a way to connect all 4 softwares together.
  - MyLearning, Arcnet, MRDSS, Mytraining
- Created an application to mitigate our sponsors issue.
- The idea:
  - Pulls from all 4 softwares each members missing, validated, and completed trainings. On the dashboard upon signing in, you will be able to see a list of how many members have missed a training, have validated there training, and have completed.
  - A member profiles page to also see which of those members have missing trainings.
  - A reports page for the unit trainer to export and import an excel sheet.

# Major Accomplishments

- Because of restricted database access, and privacy risk issues, we could not fully implement a ideal way for all 4 softwares to talk to one another. Instead we created a middle ground by building an application that can act with the 4 other softwares.
- Sponsor approves:


**Kyra Santos** 12:03 PM

Reviewed my email sent and just gonna ask the questions here.

- 1) For slide 3, are we able to add more Training Types under MRDSS, like Individual Training, ITRM Training.
- 2) For slide 5, will there be criteria setup as to what excel information I can import?
- 3) For slide 7, what does UI mean?

Other than that, great job on the build?

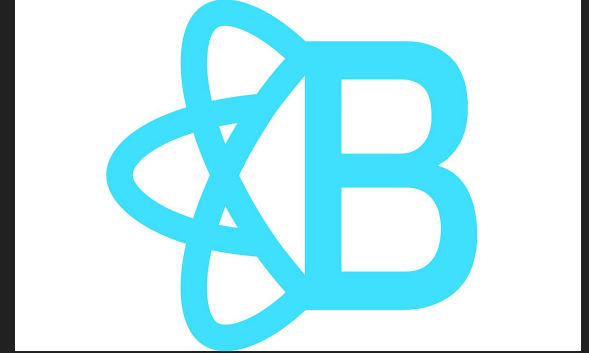
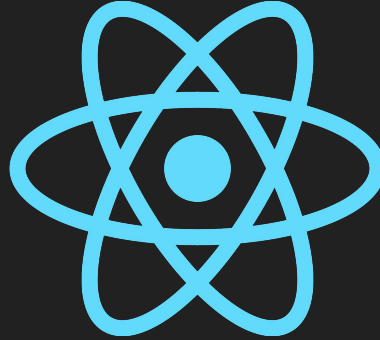
Thursday, April 6th ▾

**Kyra Santos** 9:13 AM

I meant to put an exclamation point on that last sentence. 🙄 Let me know if you need me to work on anything.

Sunday, April 9th ▾

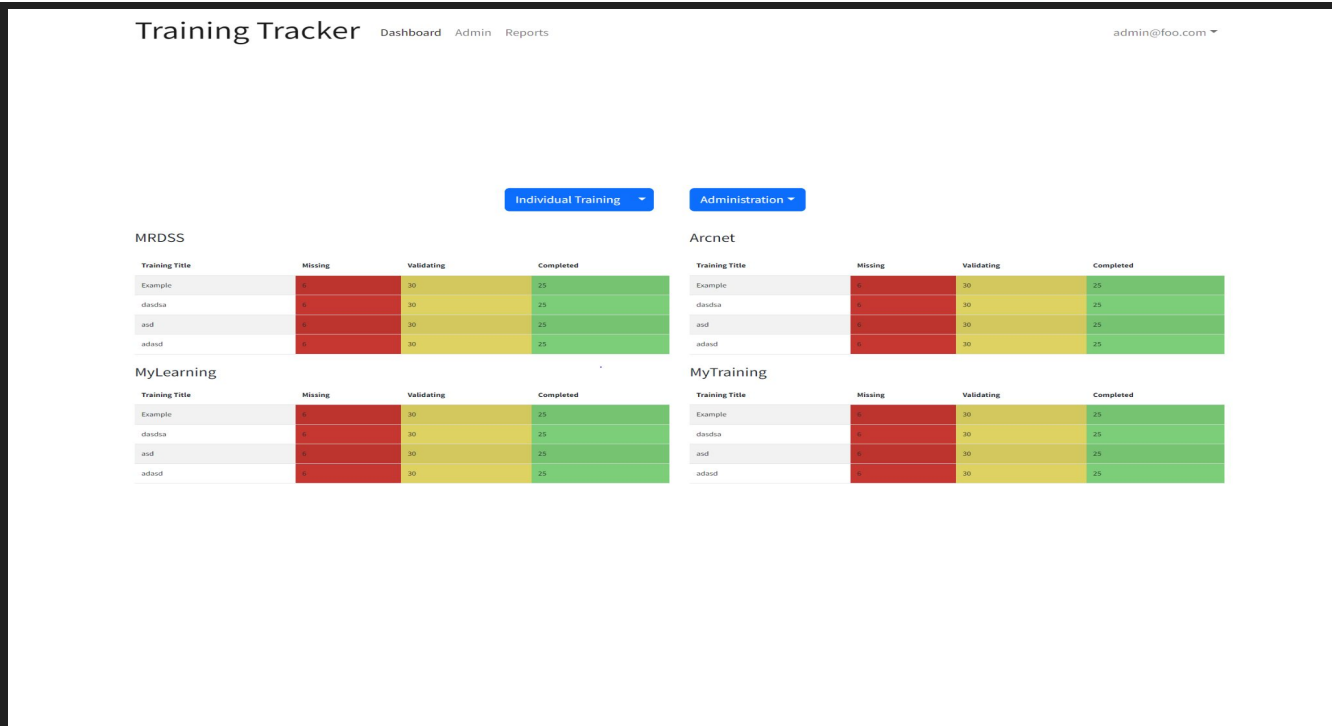
# Technical Implementation



# Client Feedback/Implemented Asked Features

1) For slide 3, are we able to add more Training Types under MRDSS, like Individual Training, ITRM Training.

Previously the dashboard had not incorporated the different categories of training.



# What went right

- We were able to fully implement the UI of the app
- We were able to complete most of the features that MSgt Santos asked for.
- Through issue driven management on github, we were able to concurrently complete different portions of the app with very few conflicts.

# What went wrong

- Due to the MyTraining system being new to both us and our sponsor, we had very little information about it and thus could not implement a test database.
- Due to MSgt Santos schedule being so busy, we could not demo what we had so far during weekly meetings on google meet.
- We unfortunately did not have time to deploy a test version of our app so that MSgt Santos could play with it on her own time and give us feedback.
- Issues not being closed or assigned caused some of us to work on the same things.



# What could have been done differently

- We could have made it a point to schedule more in person meetings so that we could demo the app on our own machines.
- We could also have made it a point to clarify details on the systems that we lack understanding
- We could have deployed a partially completed app so that we could get feedback on parts that were completed
- Keep up with managing issues, closing them when finished, assigning them when working on it, and opening new issues if working on something new.

# Skills acquired

## Technical Skills

- Programming with Reactjs
- UI design with Bootstrap 5
- Team project management with Github

## Soft Skills

- Communication
- Independance

# Next Steps for Sponsor

- Deploy Demo app on digitalocean
- Allow sponsor of interact with the app and give feedback
- Use sponsor feedback to improve app to her liking
- Update and fix bugs as necessary
- Continue on to fully integrate the app with the four existing systems

# Acknowledgement

MSgt Santos - Sponsor

Gloria Choo- H4D Director