The CMMC Fledge system will support organizations through the ever-evolving process of Cybersecurity Maturity Model Certification (CMMC) compliance. CMMC certifications have become even more important with the recent requirement changes to Department of Defense (DoD) contracts. The CMMC Fledge system will be able to provide a free and easy gap-like assessment to see where organizations stand within their compliance journey. This system fills the gap in the current market by combining free resources into an easy to use, all in one, assessment. During the CMMC Fledge assessment and throughout its pages the CMMC Fledge system will provide easy to understand definitions and explanations for all types of individuals. This is done to make CMMC compliance accessible to everyone, not just compliance specialists.

Progress made during the period leading up to this milestone has been extremely informative and helpful in laying the foundation for the rest of the CMMC Fledge System. The main goal that was achieved during this period was research into CMMC documentation and figuring out the best way to support the customers of the CMMC Fledge System. By achieving a greater understanding of the process and some of its nuances, it is believed that CMMC Fledge can better support its customers. This is done by creating carefully crafted questions through the CMMC Fledge assessment. One of the major breakthroughs in the research phase was defining the levels of CMMC and what types of Federal Contract Information (FCI)/Controlled Unclassified Information (CUI) require each level. Based on these findings CMMC L3 was scoped out of the project due to its complexities that the CMMC Fledge System would not be able to account for.

These concentrated questions and the surrounding system can be seen through the progress that was made on the storyboards and the supporting website documentation. Within these drawings/writeups a clearer picture of what the CMMC Fledge System exactly is can be seen. Though these are not fully completed, a large chunk of critical storyboards and information has been drafted.

Additionally, system diagrams for the upcoming development environment have been drafted. This includes an ERD and a system diagram showing the tools that will be used within the development environment. A GitHub repository has been established to hold the documents drafted thus far and the future implementation (code, files, etc.) of the CMMC Fledge System itself.

This milestone set the foundation for the development of the CMMC Fledge System. This system mainly consists of an interactive webpage and a database. Between now and the next milestone the implementation phase will begin. By the next milestone the development environment will be in a full working state. The development database will be fully constructed, and a functioning locally hosted website will be developed. Additionally, the production environment that will house the final form of the CMMC Fledge System will be built. Finally, all potential questions and outcomes from the CMMC Fledge assessment will be drafted and implemented into the website. All progress made from this point forward will be logged within GitHub commits in addition to the project workbook (CMMCFledge\_Workbook.xlsx) and the standup logbook (CMMCFledge\_Standup\_Log.docx).