Enhancement Three: Databases

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**Category Three: Databases**

The artifact for category three will be the final submission Final Project Submission: RESTful API and User Documentation for CS 340: Advanced Programming Concepts. With that, the plan being is to evaluate that properly utilized syntax used and the final assessment supported the promotes that syntax utilized. Thus, allowing for the skills and abilities within Databases to be captured, assessed, and dispensed adequately.

A close up of a map

Description automatically generated

The artifact chosen for Databases is the Final Project Submission: RESTful API and User Documentation for CS 340: Advanced Programming Concepts. This artifact shows the ability to conduct collection management, document manipulation, and document retrieval within mongo dB database. This artifact was created April 26, 2020 for CS 340: Advanced Programming Concepts final.

This artifact was chosen because it shows the ability to work with databases. As far as selection of this particular one, this one readily shows creation, modification and retrieval within a database. Further, showcases the core abilities within the functions of a database that be a factor of software development. With that, the artifact was evaluated for the syntax used within the database and verified to be utilizing the correct syntax with efficient and non-complex functions. While evaluating the syntax utilized throughout the artifact without access to the core database it was shown that efficient syntax was utilized. Further investigation throughout the python files shows that there was only commenting to make the files as proficient as possible. The files incorporated within the artifact could only be modified to be more complex then efficient.

The objective planned where easily met with this artifact enhancement. The evaluation of properly utilized syntax used and the final assessment supports the promoted syntax utilized. As far as updates, there are no updates required for the outcome-coverage plan.

While conducting the enhancing and/or modifying the artifact, the recap of information when utilizing a database was renewed. Further, evaluating this artifact allowed for a new understanding of databases based on post artifact experience and evaluations in contrast to new or established information obtained for completion of the artifact. The biggest challenge of not being able to test and evaluate the queries due to the lack of database access. This creates a scenario of manual vetting of the syntax and estimating database interactions.