**5-1 Journal Computer Science Trends and Artifact Update**

Mohamed Saleh

Southern New Hampshire University

CS 499: Computer Science Capstone

Prof. Wasim Alim

August 03,2025

**Status Checkpoints for All Categories**

**Artifact: Web Application (Pet Shelter)**

I finished all the necessary work on the project and provided a readme file to show the process of installing the dependencies and screenshots

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| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Pet Shelter |  |  |
| **Status of Initial Enhancement** | Done | Done | Done |
| **Submission Status** | Done | Done | Done |
| **Status of Final Enhancement** | Done | Done | Done |
| **Uploaded to ePortfolio** | Done | Done | Done |
| **Status of Finalized ePortfolio** | Planned | Planned | Planned |

**Artifact: Mobile Application**

**I finished the UI part and added the search, as the current moment I’m working on changing the current database to Firebase which involves refactoring the entire project again back.**

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| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Mobile App |  |  |
| **Status of Initial Enhancement** | In Progress | Done | In Progress |
| **Submission Status** | In Progress | In Progress | Work in Progress |
| **Status of Final Enhancement** | Not Completed | Not Completed | Not Completed |
| **Uploaded to ePortfolio** | Not Completed | Not Completed | Not Completed |
| **Status of Finalized ePortfolio** | Planned | Planned | Planned |