**CSE 310 – Applied Programming**

# Module Submission

Name: Gage Strong

Date:10/11/24

Module # (1-3):2

1. Copy the link to your public GitHub repository here:

https://github.com/TheTubbyRaider/CSE-310.git

1. Copy the link to your video here:

https://youtu.be/L6pHKRlda0o

1. Mark an “X” next to the module you completed:

Cloud Databases

Data Analysis

Game Framework

GIS Mapping

Mobile App

Networking

SQL Relational Databases

Web Apps

Language – C++

Language – Java

Language – Kotlin

Language – R

Language – Erlang

x Language – JavaScript

Language – C#

Language - TypeScript

Language – Rust

1. Complete the following checklist to make sure you completed all parts of the module. Mark your response with “Yes” or “No”. If the answer is “No” then additionally describe what was preventing you from completing this step.

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| **Question** | **Your Response** |
| Did you implement the entire set of unique requirements as described in the Module Description document in I-Learn?  List each requirement from the requirements document and mark if you completed it with a yes or no. | |  |  | | --- | --- | | All Basic Requirements | Complete | | 1. User can add tasks | Yes | | 2. User can delete tasks | Yes | | 3. User can mark tasks as completed | Yes | | 4. Tasks are stored in local storage | Yes | | 5. Application has a responsive design | Yes | | 6. User can view all tasks | Yes | | 7. User can filter tasks by status | Yes | | 8. Application provides user feedback (e.g., alerts | Yes | | One Additional Requirement |  | | 1. User can edit existing tasks | Yes | |
| Did you write at least 100 lines of code in your software and include function level comments on all the functions you wrote? | Yes |
| Did you use the correct README.md template from the Module Description document in I-Learn? | Yes |
| Did you completely populate the README.md template? | Yes |
| Did you create the video that includes you in a window, and reference it in the README.md file? | Yes |
| Did you post a link to your video in the proper MS Teams Channel? | Yes |
| Did you publish the code with the README.md (in the top-level folder) into a public GitHub repository? | Yes |

1. How many hours did you spend on this module this Sprint? Include all time including planning, researching, implementation, troubleshooting, documentation, video production, and publishing.   
   Record your total time here:

Paste your time log here including time spent each day on your project:

| **Date** | **Activity** | **Time Spent** |
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| 2024-10-01 | Planning and researching requirements | 2 hours |

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| 2024-10-02 | Implementing task functionality | 4 hours |

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| 2024-10-03 | Troubleshooting and debugging | 2 hours |

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| 2024-10-04 | Writing documentation | 1.5 hours |

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| 2024-10-05 | Creating and editing video | 3 hours |

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| 2024-10-06 | Finalizing README and publishing | 2.5 hours |

1. What learning strategies worked well in this module and what strategies (or lack of strategy) did not work well? How can you improve in the next module?

In this module, I found that breaking down tasks into smaller, manageable components helped me stay organized and focused. Using online resources like MDN and W3Schools provided valuable insights and examples that guided my implementation process. Regularly committing my code to GitHub allowed me to track changes and revert to previous versions if necessary.

However, I realized that I could have spent more time planning the project structure before diving into coding. This would have helped reduce debugging time later on. Additionally, I could have set aside more time for user testing to gather feedback early in the process.

To improve in the next module, I will prioritize thorough planning and structure, allocate time for testing and feedback, and continue leveraging helpful online resources.