Task Tracker Assignment: Synopsis of Submission

I added a Task Categories feature to the Task Tracker application for this assignment. This made it possible for users to group tasks according to categories, each of which was visually identified by a distinct color. Furthermore, I worked to enhance the input validation procedure so that users could only choose legitimate tasks, and I made sure that any errors were easily fixed by informing the user of them.

Features Implemented:

Task Categories: To improve organization and usability, I implemented task categorization using color coding.

In order to prevent errors and improve the user experience, I put in place a validation system to make sure users only enter legitimate task numbers.

Error Handling: I created a strong error-handling system that, in the event that users enter incorrect data, prompts them to take the appropriate action.  
  
My knowledge of contemporary JavaScript, especially ES6+ features and the transition from CommonJS to ES Modules, has greatly increased as a result of this assignment. My knowledge of JavaScript module resolution expanded as a result of the transition, which necessitated reworking some code to use import/export rather than require. I also obtained practical experience with Node.js libraries like Chalk for styling terminal output and Inquirer for interactive prompts. A valuable takeaway from this project was the importance of troubleshooting and resolving compatibility issues between different library versions, particularly with Chalk v5.

Challenges: The main difficulty with this assignment was modifying the file path handling in order to adapt the application to ES Modules. The absence of \_\_dirname in this module system required using import.meta.url, a solution I had to research and implement. Additionally, integrating color-coding for tasks using chalk presented some difficulties, particularly with dynamic user input. However, these challenges provided a deeper understanding of module systems and library integration in modern JavaScript.