<u>Modularity, Algorithm Efficiency and Appropriateness of Core Data</u>

TaskWranglr supports modularity and encapsulation of data by accessing task/event data only in the schedule controller class. Views and their controllers only access data they need to perform their functions. The scheduling algorithm is meant to schedule all tasks correctly in a reasonable amount of time. It runs in linear time. The usage of core data is appropriate because some data, for example task data, will need to be accessed by multiple classes. The schedule controller needs to run the scheduling algorithm and display the data to the user. The list view must display task data and anywhere the data is shown, tapping on it should display its details with the option to edit them. This means that storing the data globally so that any part of the app can access it makes sense and avoids either storing the data multiple times or having complicated relationships between classes over how to access task data.