Plan

For this iteration we are going to implement some more user stories, but focus on getting the product ready for a final release by doing additional refactoring and testing.

The SQLDatabase class was properly implemented at the start of this iteration. The intention was for it to have been finished earlier, but a small bug in the onUpgrade method and a simple lack of understanding of the version property led to a number of run-time exceptions. Fortunately, with a working database development has sped up considerably as it can be relied upon to store data persistently and in a manner that is relatively simple to access. That being said, the class is somewhat unwieldy. The same methods are implemented slightly differently for each table.

Specifically, Ian, Anthony, and Graham are implementing the Grade Calculator, Calendar, and Reminders user stories. David is handling the final testing along with our customer.

The Grade Calculator user story will be implemented so that students using the application can keep track of their performance in a particular course, and potentially their degree program. This will be done by extending the functionality of the Database (Stub and SQL) to find tasks by the associated user and course attributes, modify the individual tasks, and by extending the Task class to store the grade and weight of an assignment or test. The Grader class was also created to handle the calculation of the grade and remaining weight for each Course, it has been tested with the GraderTest class.