COSC 431 Final Proposal

There are 78 total books in the library, each student will check out three books (can two different students check out the same book?)

* 3 students in each group with 3 books allocated to each student in the group (A, B, C, D, …)
  + There are 25 students in the entire class, meaning that there will be 9 total groups, and at most, 75 books in the library checked out
* Assign students to books (like a library)
* How to re-do?
  + Repurpose midterm project to show students who checked out a particular book like some sort of library checkout system
  + Use Sequelize
    - Database Simplification
    - The project will involve interacting with a relational database, so using Sequelize will be very effective
    - Database abstraction, which will make it easier to interact with a relational database using JavaScript
    - Rapid Development
    - Easy Querying
    - Data Validation and Security
  + Python for user retrieval
  + Assign tasks
    - Front end
    - Backend
  + GitHub repo creation
  + AWS
  + User input is needed!
    - Use “***prompt()”*** function in NodeJS
    - Statically allocate books to each student in a drop-down menu of some sort
    - The user should be able to input whether they wish to see information from a specific group (list the students in Group A for example), a specific student (search student information for Sydney Brutus), or a specific book (list which students have checked out that book)