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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)