WHAT

A system keeping track of books nominated for an award.

Summary of the project: The goal of this project is to create a user interface that allows user to enter book data which is stored in our database. The books are all nominated either on the long or short list for the Booker Prize which is comprised of books authored in the English language and published in the UK. The end goal is to allow the user to view and compare various aspects of the nominated books and allow them to visually represent these aspects in a series of graphs and statistical tools. The books range in age starting from about 1970 to the present.

WHO

Ben - 50 points

- Database setup using MariaDB [3 points]
- Create/design tables in MariaDB [5 points]
- Design server - database interaction using node.js (express.js) [10 points]
- Design and implement necessary APIs in back-end (express.js) [10 points]
- Backend error handling (don't accidentally drop tables) [1 points]
- Implement a system which allows us to easily add new fields in the future [5 points]
- Analysis page: show graphs and/or tables that compares nominated books based on certain criteria such as published date, genre, etc. [16 points]

Emily - 50 points

- Database implementation using MariaDB [3 points]
- Create/design tables in MariaDB [5 points]
- Design and implement necessary APIs in back-end [18 points]
- Error handling (don't accidentally drop tables) [1 points]
- Implement a system which allows us to easily add new fields in the future [5 points]
- Utilize Angular-formly to generate forms in front-end [18 points]

Matt - 50 points

- Data entry procedure: design and implement a mariaDB procedure to add new books or (optional) modify previously inserted books [25 points]
    - Design queries that we use for data insertion / modification / retriever

- Analysis page: show graphs and/or tables that compare nominated books based on certain criteria such as published date, genre, etc. [15 points]
- Lead access implementation and learning [10 points]

Tony - 50 points

- Design and implement front-end application view / controller
    - Design the easy-to-navigate UI for data addition / update / analysis [10 points]
    - Utilize Angular-formly to generate forms in front-end [10 points]
    - Analysis page: show graphs and/or tables that compares nominated books based on certain criteria such as published date, genre, etc. [16 points]
    - Front-end & Back-end documentation [12 points]
    - Error handling when no entry with the given ISBN exists [2 points]