Closures and Scopes

Task 1.

- · Create a module for working with books
 - The module must provide the following functionalities:
 - Add a new book to category
 - Each book has unique title, author and ISBN
 - It must return the newly created book with assigned ID
 - If the category is missing, it must be automatically created
 - List all books
 - Return an array of books
 - Books are sorted by ID
 - This can be done by author, by category or all
 - They are provided by an options object {category: ...}or {author: ...}
 - List all categories
 - Return an array of categories
 - Categories are sorted by ID
 - Each book/catagory has a unique identifier (ID) that is a number greater than 1
 - When adding a book/category, the ID is generated automatically
 - Add validation everywhere, where possible
 - Book title and category name must be between 2 and 100 characters, including letters, digits and special characters ('!', ',', '.', etc)
 - Author is any non-empty string
 - Unique params are Book title and Book ISBN
 - Book ISBN is an unique code that contains either 10 or 13 digits
 - If something is not valid throw Error