The primary goal of the project is to develop a user-friendly and efficient CLI that caters to both library staff and patrons. With this CLI, users can effortlessly query books,

1. view the number of available copies,
2. add new books to the library,
3. delete books from the inventory,
4. make book purchases,
5. receive detailed invoices after each purchase.
6. updating the number of book copies after a purchase is made to maintain accurate inventory records.
7. print("--------------------- Main Menu------------------------");
8. print('1- Show all books');
9. print('2- Show all categories');
10. print('3- Add book');
11. print('4- Update book information');
12. print('5- Delete book');
13. print('6- Purchase');
14. print('7- Invoice');
15. print('8- Reporting');
16. print('0- Exit');
17. **Project Structure: Create a new Dart project and organize its structure appropriately. Set up the necessary folders, files, and ensure a clean and organized project layout.**
18. **Clean Code: Write clear, well-organized, and scalable code. Use meaningful variable and function names, following standard coding conventions to improve code readability. Well-structured and easily maintainable code is essential.**
19. **Applying Concepts: Demonstrate a comprehensive understanding of programming concepts and techniques. Implement the CLI features with efficiency and correctness.**
20. **Query Books: Develop a simple CLI user interface that allows users to query books and view the number of available copies. Users should be able to search for books by title, author, or category.**
21. **Add New Book: Provide a method to add a new book to the library and update the number of book copies accordingly. Ensure proper error handling for invalid inputs.**
22. **Delete Book: Implement a method to delete a book from the library and update the book count. Handle cases where the book to be deleted does not exist.**
23. **Purchase: Implement the purchase process, allowing users to buy books from the library. Ensure that the number of book copies is decreased according to the books purchased.**
24. **Invoice: Display a detailed invoice after the purchase, showing the books purchased, their prices, and the total cost.**
25. **Editing Capability: Add the ability to modify book data, such as title, author, and price. Users should be able to update book information easily.**