**Library Management System**

**Project Description:**

The Library Management System project aims to create a software solution for efficiently managing books, borrowers, and transactions in a library. The system should have the following cover the following points:

1. Design classes for books, borrowers, and transactions with appropriate attributes and methods.
2. Implement functionalities for adding, removing, and updating information related to books, borrowers, and transactions.
3. Utilize inheritance and encapsulation to create a modular and maintainable codebase.
4. Develop book cataloging features for adding, removing, and updating book details, including the quantity of books, using a CSV file as the database.
5. Create a borrower management system for adding, removing, and updating borrower information.
6. Implement transaction tracking functionalities to record the borrowing of books, the date it was borrowed, the expected return date and the actual return date.
7. Create a command-line interface (CLI) for users (borrowers) to interact with the system and perform operations by providing prompts for their actions.
8. Ensure all functionalities are implemented without using built-in or external Python libraries.
9. Provide error handling and validation mechanisms to maintain data integrity and prevent incorrect inputs from both books and borrowers.
10. Thoroughly test the project to ensure proper functionality and handle various scenarios, including scenarios where users provide incorrect inputs, or the book quantity is insufficient for loaning.

**Submission Instructions:**

1. Push your project code to a GitHub repository.
2. Submit the GitHub repository link as your project submission.