DBA Coding Assignment

Design and Implement a SQL Server database for a public library computer system (PLCS).
PLCS manages inventory and loans of materials in a public library.

Level of detail you wish to include in your design is up to you.
Please be reasonable: minimalistic design will not adequately demonstrate your skills, while excessive detail may result in more time.
Estimated time of completion: 4-6 hours.

Please return a link to your GitHub repository containing following artifacts:

1.	Enumerated list of one-sentence business rules you will use to design the database.
2.	ER Diagram as PDF file
3.	Runnable DDL script to create SQL Server database with all objects in it. The code should be consistently formatted and readable.
4.	Runnable DML script to populate your database with test data. The code should be consistently formatted and readable.
5.	Stored procedure returning 5 most borrowed authors for the given year.
6.	Function returning # of borrowed materials by the specified members during the specified month.