

LIBCARDS					
No	Column Name	Data Type	Size	Check	Description
1	↔LIBCARD_ID	Int		Not Null	The ID of library card
2	NAME	NVarchar	30	Not Null	The reader's name
3	AGES	Int		Not Null	The ages of the reader
4	ADDRESS	NVarchar	100	Not Null	The address of the reader
5	CLASS	NVarchar	15	Not Null	The name of the student's class

BOOKS					
No	Column Name	Data Type	Size	Check	Description
1	↔BOOK_ID	Int		Not Null	The ID of the book
2	TITLE	NVarchar	30	Not Null	The title of the book
3	STATE	Int		Not Null	The state of the book, available or not
4	POSITION	Varchar	10	Not Null	The position of the book in library
5	PATH	NVarchar	100	Null	The path to file contains the image describe the book

SUBJECTS					
No	Column Name	Data Type	Size	Check	Description
1	↔SUBJECT_ID	Int		Not Null	The ID of the subject
2	NAME	NVarchar	30	Not Null	The name of the subject

AUTHOR					
No	Column Name	Data Type	Size	Check	Description
1	↔AUTHOR_ID	Int		Not Null	The ID of the author
2	NAME	NVarchar	30	Not Null	The author's name

BORROWCARDS					
No	Column Name	Data Type	Size	Check	Description
1	↔BORROWCARD_ID	Int		Not Null	The ID of borrow-card
2	<u>BOOK_ID</u>	Int		Not Null	The ID of the book
3	<u>LIBCARD_ID</u>	Int		Not Null	The ID of library card
4	BORROW_DATE	Datetime		Not Null	The date borrowing book
5	DUE_DATE	Datetime		Not Null	The due date of the book return
6	RETURN_DATE	Datetime		Null	The date returning book

SUBJECTS_BOOKS					
No	Column Name	Data Type	Size	Check	Description
1	↔SUBJECT_ID	Int		Not Null	The ID of the subject
2	↔BOOK_ID	Int		Not Null	The ID of the book

AUTHORS_BOOKS					
No	Column Name	Data Type	Size	Check	Description
1	↔AUTHOR_ID	Int		Not Null	The ID of the author
2	↔BOOK_ID	Int		Not Null	The ID of the book

ACCOUNT					
No	Column Name	Data Type	Size	Check	Description
1	↔USERNAME	Varchar	20	Not Null	The ID of the subject
2	PASSWORD	Varchar	30	Not Null	The name of the subject

Notes:

↔PRIMARY_KEY: primary key

REFERENCE_KEY: reference key