**Simple 3NF Data Model For Bookstore**

**User Table:**

This table stores user information, and the UserID serves as the primary key.

Relationships:

The UserID in the User Table is related to the UserID in the Purchase Table, as each purchase is associated with a specific user.

**Book Table:**

This table contains information about books available in the bookstore. The BookID is the primary key.

Relationships:

The CategoryID in the Book Table is a foreign key referring to the Category Table. This relationship links each book to its respective category.

The AuthorID in the Book Table is a foreign key referring to the Author Table. This relationship links each book to its author.

**Category Table:**

The Category Table stores book categories and uses CategoryID as the primary key.

Relationships:

The Category Table is related to the Book Table through the CategoryID. This relationship allows you to categorize books.

**Author Table:**

This table holds author information, and AuthorID is the primary key.

Relationships:

The Author Table is related to the Book Table through the AuthorID. This relationship associates each book with its author.

**Purchase Table:**

The Purchase Table records information about user purchases. The PurchaseID serves as the primary key.

Relationships:

The UserID in the Purchase Table is a foreign key referring to the User Table. This relationship connects each purchase to the user who made it.

PurchaseDetails Table:

The PurchaseDetails Table stores details of individual book purchases. PurchaseDetailID is the primary key.

Relationships:

The PurchaseID in the PurchaseDetails Table is a foreign key referring to the Purchase Table. This relationship associates each purchase detail with a specific purchase.

The BookID in the PurchaseDetails Table is a foreign key referring to the Book Table. This relationship connects each purchase detail with a specific book.