Final Project Proposal

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# Description

Name of Business: Express Books  
Book store business of 10 years to start selling books online, in either digital or physical format. Group of 50 employees. Currently selling them in a retail store. The target demographic is older adults and people that prefer paperback, but also have e-books if requested.

Site will allow orders of books from Express Books to be picked up in store or to be shipped. Taxes will be available up front depending on location of payment. Payment can be completed in store, or online. Shipping will only be charged if order is shipped. Site will be modern but easy to use so older adults can easily order online while younger persons will be able to order as usual. Items can be searched by name, author, or genre. Multiple items of the same item can be ordered if requested. If not available book can be reserved for when it arrives in stock. Customers can also review orders by signing into the website. The sites can be easily maintained by employees and allow reviews on past and current orders, as well as canceling orders as required, by selecting reason and hitting confirm. Options will be “On customer request”, “Payment declined”, or “No longer available”.

# Database

The following tables will be required:

* Books – The table is required to keep track of books for sale. Will have a 1 to many association with Author  
  The books table will have columns related to: Book Name (Primary Key), Page count. With foreign keys of: Author, Genre, Price.
* Author – The table is required to keep track of authors. Will have a many to 1 association to books and a many to many association to Genre.  
  This table will have columns of: Author Name (Primary Key). Foreign key of: Book Name.
* Genres – Table will keep track of genres of books. Will have a many to many association to Books   
  Columns of: Genre (Primary Key). Foreign keys of Book Name, Authors.
* Customers – Will keep track of customers data. Will have a 1 to many association with Orders  
  Columns of: Customer ID (Primary Key), First Name, Last Name, Address, Orders.
* Orders – Required to keep track of customers orders. Will have a many to 1 association with customer, and a many to many association with books.  
  Columns of: OrderID (Primary Key), Number Ordered, Price, taxes, Total Cost. Foreign key of Book Name, Customer ID.

A screenshot of a social media post

Description automatically generated