System Specification

# Overview

This program will sell books to the general public. Users will have access to a web front allowing them to filter a stock of books by genre, author, price, publication date and book type. Users may be prompted to register or they may checkout as a guest for their purchases. They will be able to add multiple items to a shopping cart and once they reach a checkout page they will be able to choose a payment type. If a user decides they do not wish to make the purchase and are logged in, they do not have to purchase right away there will be a feature to save the shopping cart. Publishers will also be able to access a sell page where they can sell books. There will be a system for verifying users.

In this team, we are allocating the following components to each team member:

* **User Management** – Zana Ahmad

Adding, Deleting, Editing and Listing user records.

|  |  |  |
| --- | --- | --- |
| User\_id | String | *Primary Key* |
| User\_first\_name | String |  |
| User\_last\_name | String |  |
| User\_dob | Date |  |
| Address­\_no | String | *Foreign Key* |
| User\_email\_address | String |  |
| User\_phone\_number | Int |  |
| User\_password | String |  |
| User\_is\_admin | Bool |  |
| User\_is\_super | Bool |  |
|  |  |  |

* **Book Entry Management** – Thomas Akers

Adding, Deleting, Editing and Listing book records.

|  |  |  |
| --- | --- | --- |
| Bookid | String | *Primary Key* |
| Userid | String | *Foreign Key* |
| Authorid | String | *Foreign Key* |
| Booktitle | String |  |
| Price | Float |  |
| Booktype | String |  |
| Genre | String |  |
| Publicationdate | Date |  |

* **Order Management** – Emmanuel Adedeji

Adding, Deleting, Editing and Order records.

|  |  |  |
| --- | --- | --- |
| Bookid | String | *Primary Key* |
| Userid | String | *Foreign Key* |
| Dateofpurchase | Date |  |
| Isdispatched | Bool |  |
| Dateofdispatch | Date |  |

* **Author & Publisher Management** – Hugh Alun-Jones

Adding, Deleting, Editing and Author records.

|  |  |  |
| --- | --- | --- |
| Authorid | String | *Primary Key* |
| Fullname | String |  |
| Bookid | String | *Foreign Key* |
| isDead | Boolean |  |
| BirthDate | Date |  |
| Description | String |  |

|  |  |  |
| --- | --- | --- |
| Publisherid | String | *Primary Key* |
| Authorid | String | *Foreign Key* |
| Bookid | String | *Foreign Key* |
| Publishername | String |  |
| Website | String |  |

|  |  |  |
| --- | --- | --- |
| Address\_no | String | *Primary Key* |
| Address\_house\_no | String |  |
| Address\_street | String |  |
| Address\_town | String |  |
| Address\_postcode | String |  |
| Address\_county\_code | String |  |
|  |  |  |