BOOK STORE MANAGEMENT APPLICATION

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Objectives

To create an online based Bookstore that allows user to search, purchase books and allows administrator to efficiently manage their data

To manage the details of books, customers and Payments.

To secure information and Obstruct the access of unauthorised person

Problems

1. Soft wares are not user friendly
2. Tracking and recording Book Data can be tedious
3. Possible chances of Data Inconsistency or Data Loss when recorded physically
4. Sufficient amount of Customer information is not collected
5. No chance of data accessibility

Solutions

1. Our application is Highly user friendly
2. Our application stores and processes data at very high speeds
3. Our application has better performance and data security
4. Our application provides Better Storage and Faster retrieval system.
5. Accuracy on handling the data is efficient.

Modules

SQL MODULE

This module has all the basic and main functions of the program, which connects Remote MySQL server and Python.

NOTIFICATION MODULE

This module contains functions for notifying the user any important details

EMPLOYEE MODULE

This module has functions related to Employee Management

OAUTH MODULE

It contains files which are implementations of authlib module, Flask and HTML.

It is responsible for helping the user to login via Google. All other Login systems are included here.

NAVIGATION CONTROL SYSTEMS

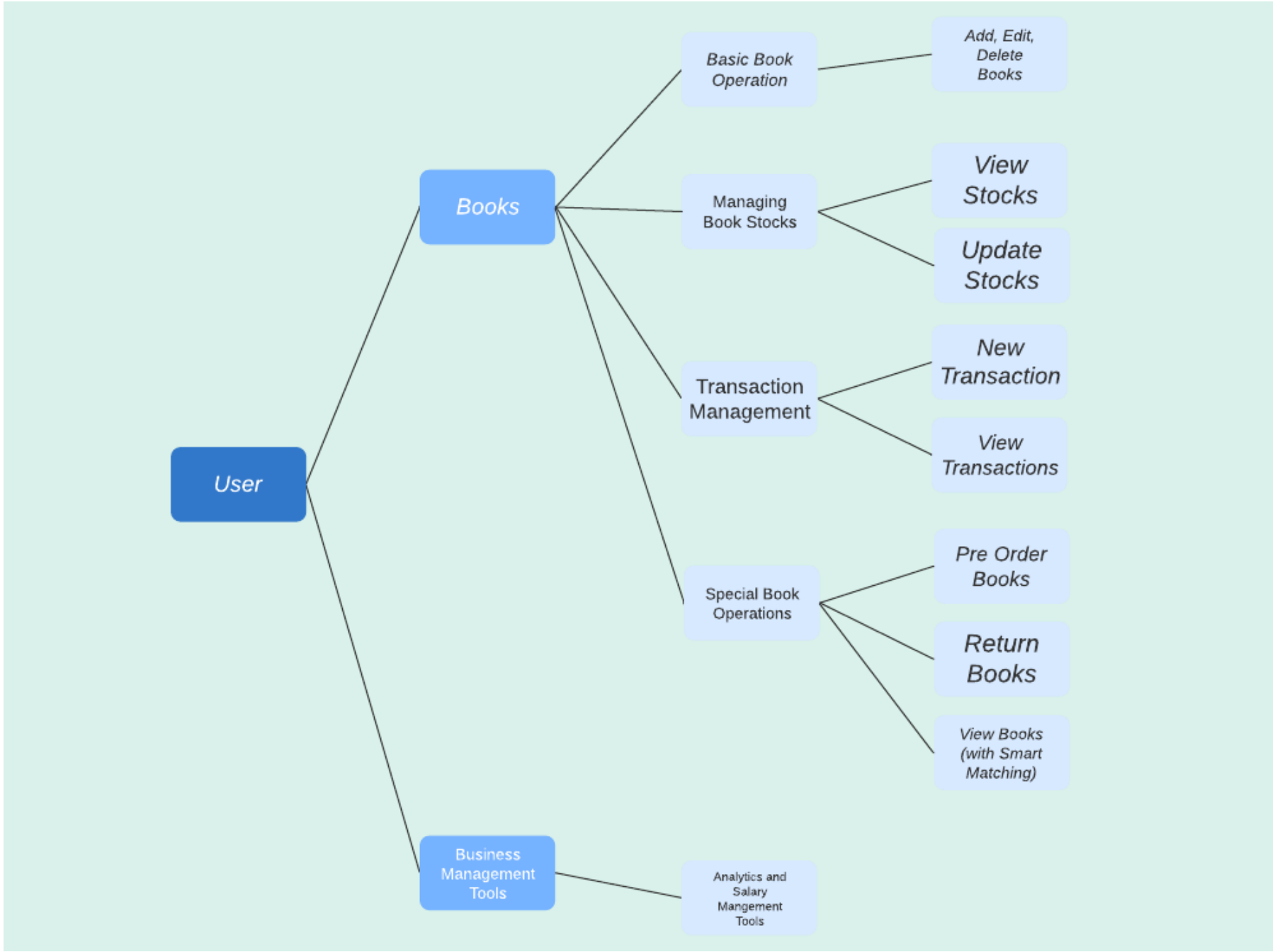
This module has files which are responsible to help the user navigate thru different part of the menu.

VALUE CONTROL SYSTEMS

This module contains functions which helps the programmer to restrict the type of the value (and the value itself) which is meant to be entered into the input fields.

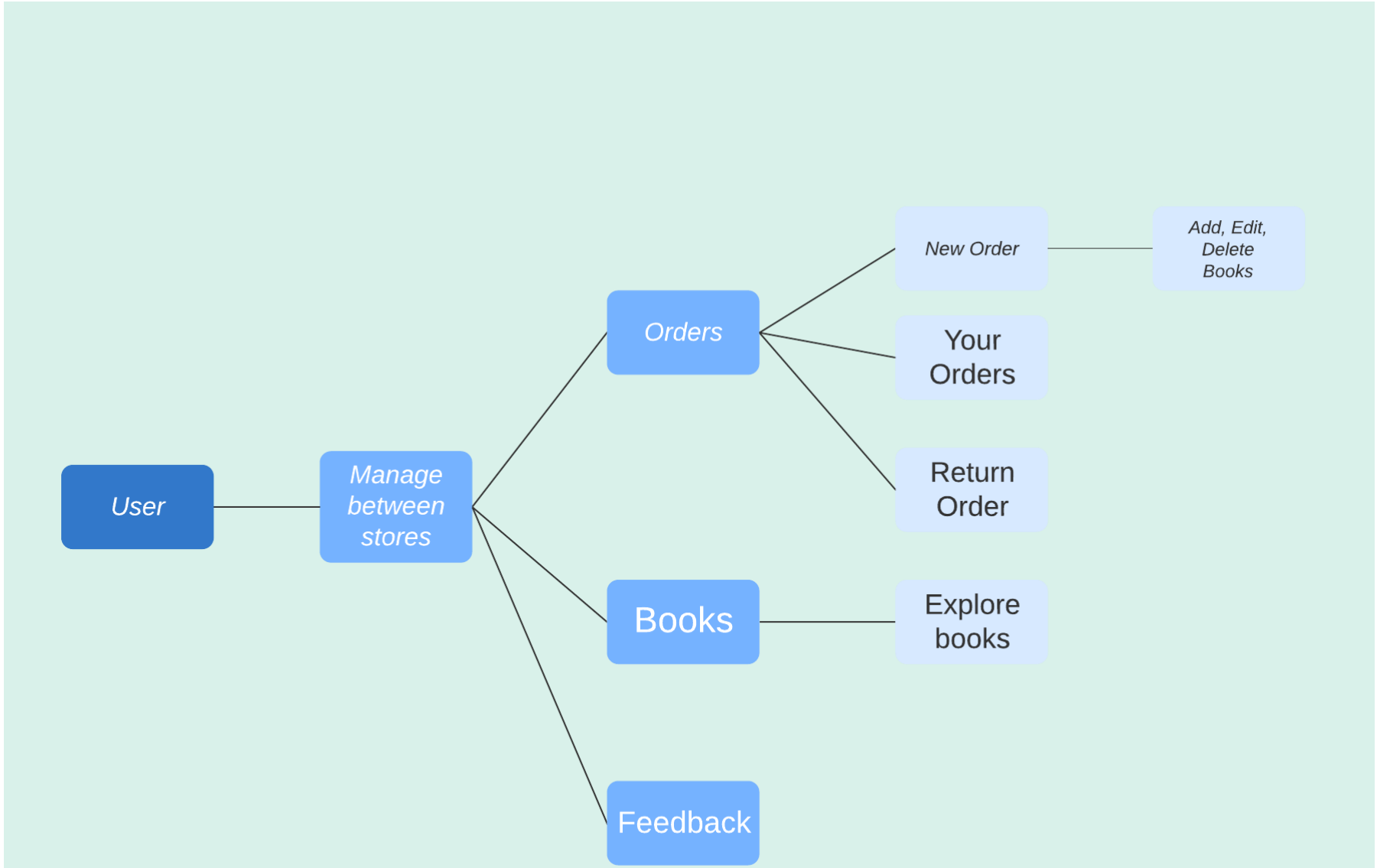
PAYMENT SYSTEMS

This module contains functions which deals with Payments of the application. We have a POS in place for admin console but we are still working for client consoles.



Administrator Flow

The adjacent diagram explains the flow of the program in Administrator View



User Flow

The adjacent diagram explains the flow of the program in User View

Backend

This application’s backend is powered by MySQL.

To ensure accessibility, rather that local instance, we have used Remote MySQL Servers from HelioHost. Using Remote MySQL Severs you can access your data from anywhere, anytime, with an internet connection.

Every new registration of a Book Store creates a new database in the server. Each database has the 6 tables:

Books, Credentials, Customer, Employees, Notification, Transactions.

THANKYOU!

Make sure to check us out on the worldwideweb!

https://bstore21.heliohost.us/