Project Proposal

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Project structure outline:

Diagram

Description automatically generated

MyLibrary Manage System. This package helps the library manager to access the availability of books. Efficiently retrieve the information of books such as ISBN number. Users can easily search for books in the library and borrow them. Also, this system helps the library to Prevent book loss or stolen

Our first sub-package is Library\_Person, and it contains 3 modules: Person, Admin and User. Person was designed to retrieve admin and user’s shared common information. It’s also the parent of Admin and User. Admin helps with a series of operations of the administrator system. Also, it enables users to take actions, such as user management, lend/borrow management, book management. The User module Help users to interact with the system and Change attributes such as  the user id and user name.

The second sub-package is Libarary\_Book\_System that contains 3 modules: Book\_System, Book\_Admin and Book\_User. The Book\_System is used to retrieve the overall book information and search the book information. It’s also the parent of Book\_user and Book\_admin. Book\_admin enables administrators to take actions that can do with books such as modify, input and record the rent/borrow status.

Further, we have a package named Library, which is parallel to the sub-package 1 and 2 above, and it’s the overall integration of all operations of the library manage system.

Finally, we have a module Data that also parallel to package one and 2, which used to Storage and processing repository for all system data.