**Design Document**

Logic Design

1. Registration

Name Input

SID Input

Username Choose

Password Choose

1. Login

Username

Password

Next Step

Interface

Borrow Books

Return Books

Search Books

List All Books Available

Username Librarian

Password Librarian

Next Step

Librarian Interface

Add Books

Delete Books

Search Books

List All Books Available

1. Search Books

By ID

By Tittle

By Author

By Publication Year

By Copy Number

1. List All Books Available

Read Books.txt

Link to Next Function or Back

1. Quit

