Requirement Documents

Library Interface

* In the library, we have one user which is a patron.
* Library holds five stuffs (books, movies, periodical, audio and reference material), where reference material can’t be checked out.
* Library have a Kiosk system. A system that reads bar code like scanner.
* The user can check in and out items excluding reference material.
* Should be an area where they are able to search specific items
* An option were if that item is available.
* User can view library policy when they check out.

The customer will use kiosk system to view item on our library. Also if they want to know the location we have a dropdown so it will show you where that item is located. And also you will be able to check those items out if that item is already out.

For the library side the admin part of this employee uses all the transactions, where the customers(user) checked out book, return, and where the book is located etc. The project for library, looking inside the database on which item this library has. As a customer/the user whoever is borrowing excluding References. The administration can read and write update delete any of the user information or anything that’s relate with that. And the member has a card which is using to borrow stuff from our library. In our library system if that item is not available in the library then it should be removed from the database. We scanned a card from the patron and then an item to make it borrow. If that book is not in our system yet they can’t basically borrow that book as well. Here is some error that can happen. ItemNotFound which book is not found. UserNotFound which user is not found, ItemNotItStock when a user tries to check out a book that is not in stock. UserMaxCheckOut when a user has a max number of book checked out. ReferenceCheckedOut when a user attempts to check out a reference material. And lastly InvalidInputStream which no event is built by the parser throws out all input to that point.

When the user is looking for a particular book and specific one , when they search it then it will show them a map with a Dot, which is in dot.gif which overrides to mapa.png. The other stuff is more Database which has the user, or database of books. But we also have an events, and some GUI that we created.