User Stories: Rationale

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Note: Essential user stories are features to be done in part 4.

Non-essential user stories are features to be done in part 5.

**Books:**

* US 01.01.01:

As an owner, I want to add a book in my books, each denoted with a clear, suitable description (at least title, author, and ISBN),

so that borrowers can see the book in the list of available books, and be able to see the description of the book to determine if that is the book they want to borrow

Priority: Essential

* US 01.02.01

As an owner, I want the book description by scanning it off the book (at least the ISBN),

so that I avoid the effort of having to enter information about a book by hand

Priority: Non-essential

* US 01.03.01

As an owner or borrower, I want a book to have a status of one of: available, requested, accepted, or borrowed,

i) so as an owner, I can see which books are still available in the library or due to be borrowed (if requested and later accepted).

ii) so as a burrower, I would know which books are available and not have to check manually.

Priority: Essential

* US 01.04.01

As an owner, I want to view a list of all my books, and their descriptions, statuses, and current borrowers,

so that I avoid the inconvenience of manually selecting each book for this information (description, statuses, borrowers).

Priority: Essential

* US 01.05.01

As an owner, I want to view a list of all my books, filtered by status,

so to avoid the inconvenience of having to go through the whole list of books to check a certain book's status

Priority: Non-essential

* US 01.06.01

As an owner, I want to view and edit a book description in my books,

so that I can see in detail what any one book is about, and to be able to increase the accuracy of any particular book's description (i.e., add or modify synopsis).

Priority: Essential

* US 01.07.01

As an owner, I want to delete a book in my books,

so that I don't have books in the system that shouldn't be, i.e., book has been physically removed from the library permanently.

Priority: Essential

**User profile:**

* US 02.01.01

As an owner or borrower, I want a profile with a unique username and my contact information,

i) so that I as an owner can have access an account with owner privileges, and be able to communicate with current borrowers.

ii) so as a borrower, I would want to know which books I have borrowed and know if any books I requested are available as well as the contact information available to the owner.

Priority: Essential

* US 02.02.01

As an owner or borrower, I want to edit the contact information in my profile,

so that I can modify the information in case it changes, i.e., new phone number or email address.

Priority: Non-essential

* US 02.03.01

As an owner or borrower, I want to retrieve and show the profile of a presented username,

i) so as an owner, I can pull up contact information of any particular borrower so I can contact them.

ii) so as a borrower, I can possibly contact other borrowers.

iii) so in general, I would want to see how many books were burrowed and successfully returned by the user to see how trustworthy they may be.

Priority: Non-essential

**Searching:**

* US 03.01.01

As a borrower, I want to specify a set of keywords, and search for all books that are not currently accepted or borrowed whose description contains all the keywords,

so that avoid the effort of going through and selecting each book of all available books to determine if I want to borrow that book or if it's available to be borrowed.

Priority: Non-essential

* US 03.02.01

As a borrower, I want search results to show each book not currently accepted or borrowed with its description, owner username, and status,

so that I can find out information on available books about what it's about and who owns it.

Priority: Essential

**Requesting:**

* US 04.01.01

As a borrower, I want to request a book that is not currently accepted or borrowed,

so that I can eventually borrow the book should it be accepted by the owner.

Priority: Essential

* US 04.02.01

As a borrower, I want to view a list of books I have requested, each book with its description, and owner username,

so to avoid the effort of manually going through each book in the library to see which ones I have already requested.

Priority: Non-essential

* US 04.03.01

As an owner, I want to be notified of a request,

so that I can view the request to determine if the request is to be accepted or rejected.

Priority: Non-essential

* US 04.04.01

As an owner, I want to view all the requests on one of my books,

so I can see the order of user requests and be able to give the book to the next person once returned and also check user profiles to determine if you want to decline the request.

Priority: Essential

**Accepting:**

* US 05.01.01

As an owner, I want to accept a request on one of my books. (Any other requests are declined,

so that I can lend out the book to the accepted borrower and change the status of the book.

Priority: Essential

* US 05.02.01

As an owner, I want to decline a request on one of my books,

so that I can make sure that certain books are not being lended out to borrowers that I don't think should be borrowing a particular book.

Priority: Essential

* US 05.03.01

As a borrower, I want to be notified of an accepted request,

so that I can know if a book that I requested will actually be lended to me.

Priority: Non-essential

* US 05.04.01

As a borrower, I want to view a list of books I have requested that are accepted, each book with its description, and owner username,

so to avoid the effort of manually going through each book in the library to see which ones that have already been accepted.

Priority: Essential

**Borrowing:**

* US 06.01.01

As an owner, I want to hand over a book by scanning the book ISBN code and denoting the book as borrowed,

so that I can avoid manually entering the book in the database and manually switching the status.

Priority: Non-essential

* US 06.02.01

As a borrower, I want to receive an accepted book by scanning the book ISBN code to confirm I have borrowed it,

so that I can avoid the inconvenience of manually entering the book's id to confirm my borrowing.

Priority: Non-essential

* US 06.03.01

As a borrower, I want to view a list of books I am borrowing, each book with its description and owner username,

so to avoid the effort of manually going through each book in the library to see which ones I already have.

Priority: Essential

**Returning:**

* US 07.01.01

As a borrower, I want to hand over a book I borrowed by scanning the book ISBN code to denote the book as available,

so to avoid the inconvenience of manually finding the book by it's identification and switching it's status.

Priority: Non-essential

* US 07.02.01

As an owner, I want to receive a returned book by scanning the book ISBN code to confirm I have it available,

so that I can avoid the inconvenience of manually finding the book in the database and switching it's status.

Priority: Non-essential

**Photographs:**

* US 08.01.01

As an owner, I want to optionally attach a photograph to a book of mine,

so that I can provide more visual information about that particular book, i.e., the cover of the book.

Priority: Non-essential

* US 08.02.01

As an owner, I want to delete any attached photograph for a book of mine,

so that I can remove visual information about a particular book that might not be relevant anymore.

Priority: Non-essential

* US 08.03.01

As an owner or borrower, I want to view any attached photograph for a book.

so I can be given more details about a book that I would like to borrow.

Priority: Non-essential

**Location:**

* US 09.01.01

As an owner, I want to specify a geo location on a map of where to receive a book when I accept a request on the book,

so that I can let borrowers know where to go to physically obtain their accepted book.

Priority: Non-essential (only if an address is to be given instead)

* US 09.02.01

As a borrower, I want to view the geo location of where to receive a book I will be borrowing,

so that I know where to go to physically receive my accepted book from the owner.

Priority: Non-essential (only if an address is to be given instead)

**WOW factor:**

* US 10.01.01

As a borrower, I want to be put on a wait-list for a book that I have requested that has been accepted by another borrower,

so that I can avoid the effort of having to find that book and requesting it again after it becomes available.

Priority: Non-essential

* US 10.02.01

As an owner, I want to be notified when a book with a wait-list has just switched its status from "borrowed" to "available",

so there is the convenience of being able to accept a particular request from a list of requests from multiple borrowers.

Priority: Non-essential