
Software Engineering Requirements Prioritisation

Group 21
Book Exchange among campus students
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1 Introduction

The following document states the results of the MoSCoW requirements elicitation technique.

2 Actors and Stakeholders

2.1 Actors

Definitions:

Buyer: The one who wants to buy a book or textbook or any material related to any course.

Seller/Donor: The one who wants to sell a book (donate in case he/she) doesn't keep any price for the book/material).

The requirements are classified as follows:

Must have: Extremely crucial, high priority and non-negotiable

Should have: not at a very high priority, but it would be better if the system has it.

Could have: not necessary to have, could have if there's time and resources left

Won't have: System won't be having them, at least for the time being

- Buyers
- Sellers/Donors

2.2 Stakeholders

- System Developers
- Maintainers
- Buyers
- Sellers/Donors

3 Results

- **Must have(M):**

- As a new user I want to be able to sign up on the portal so that I can start exchanging academic material.
- As a user I want to be able to login so that I can use the portal.
- As a buyer, I want to be able to search for a book(material) so that it could save my time of scrolling.
- As a buyer, I want to be able to buy a book(material) so that the seller knows I want to buy his(her) material.
- As a buyer, I want to be able to view buy history so that I can have it for my reference.
- As a seller(donor), I want to be able to put a book(material) on sale so that others can see that it is available for sale.
- As a seller(donor), I want to be able to see my books(material) that I have put for sale so that I can have it for my reference.
- As a seller(donor), I want to be able to be able to view all requests on a particular book(material) out on sale so that I know who wants to buy it.
- As a seller(donor), I want to be able to see the profile of a person who has requested so that I can contact him(her).
- As a seller(donor), I want to be able to deem a particular book sold after I've sold it so that it no longer is seen as out on sale.
- As a seller(donor), I want to be able to view my sale history so that I can have it for my reference.
- As a user I want to be able to logout of the portal so that I can logout once my work is done.

Non-Functional User stories:

- As a user, I want that the user interface is lucid enough that a 1 day demonstration be enough to learn using it so that it doesn't take much time to learn how to use it.
- As a user, I want that the response time is not more than 15 msec, so that it isn't very slow to use.
- As a user, I want that it is available at all times in a day except the 1-2 hours of down-time so that I can use it at almost all points in the day.

- As a user, I want that my contact number isn't shared unless I keep a book for sale or request a book so that my privacy is not compromised.

- **Should have(S)**

- As a buyer, I want to be able to Wish list a book(material) so that I can reach to it easily if I want to buy it later.
- As a buyer, I want to be able to Buy a book(material) after wishlisting so that I can buy a book I had previously wishlisted.
- As a seller(donor), I want to be able to remove a previously posted book(material) out on sale so that it is removed in case I change my mind.
- As a user I want to be able to view my profile so that I can view how it looks.
- As a user I want to be able to update my profile so that I can update it if there are any changes in my details.

- **Could have(C)**

- As a user, I want the portal to be functional via all browsers so that all of us can use it irrespective of the OS.
- As a buyer, I want to be able to request an unavailable book(material) so that I can buy it when anyone wants to sell it.
- As a buyer, I want to be notified when a previously unavailable requested book is available so that I can know it is available.

- **Will not have**

None as of now