Software Engineering 1

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Phase - 1

Final SRS document

Project Name: Books Network

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Contents

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❖ Document Purpose and Audience:

o What is this document?

This document to explain what the Book Network software is and its purpose & Scope

And Show the importance operation that the user do in book network and how the system deal with it.

o List the target audience to read this document (e.g. CEO? Project Manager? Customer…?)

- **Project Manager**
- **Teacher Assistant**

❖ Introduction

Book Network

The software is for virtual reading club that help you to know more about your favorite authors and books and share it with your friends.

o <u>Purpose</u>

It provides following facilities to user:

1. See which books your friends are reading.
2. Track the books you're reading, have read, and want to read.
3. Check out your personalized book recommendations. It recommendation engine analyzes data to give suggestions tailored to your literary tastes.
4. Can rate books and know which good one
5. Add books manually if it's not in the public list
6. Open discussions about books

o <u>Scope</u>

This website is an online library that you can browse and see the book shelves of your friends and rate it. Also you can view the books you want to read or the ones you have already read and share them with your friends.

o <u>Definitions, acronyms, and abbreviations</u>

There is no definitions or acronyms or abbreviations in this docoument.

❖ <u>Requirements</u>

o <u>Functional Requirements :</u>

1. **Register an account**: By this feature user will be able to create a personal account.
2. **Sign-In**: This Feature enables the pre-registered user to log- in his account.
3. **Following a user**: This feature facilitate following other users to get their activities shown in the newsfeed.
4. **Newsfeed Browsing**: Here, a logged in user will be able to trace the progress of his own followed users as well as the new added books by the others users or by the system itself.
5. **Profile Browsing :** By this feature user will be able to track down his latest progress such as "on-progress book s , newest Reviewing groups status "
6. **Constructing a shelf**: This feature is mainly for classifying the books a user read , hence , the user can make up to 3 shelves for 3 different book's categories.
7. **Books Browsing:** By this feature user will be able to search for a book by many attributes such as (title , category ,Author)
8. **Sharing a book:** User here can contribute a book manually with a full description of its content in case the system is not offering that book.
9. **Adding a book**: This feature enables the user to add a book to a specified and pre-created personal shelf for various facilities as (Labeling the book's status , Ranking , Initiating or joining the book's reviewing group)
10. **Labeling a book's status:** User here will be able to link one label to a book such as (Done, in progress) to be tracked by his own profile.
11. **Ranking a book:** Here, User will be able to give (1 to 5) rank for a book according to his own vision.

12. **Join a reviewing group:** By this feature user will be able to create /Join a reviewing group for the books already done on his shelf.
13. **Adding an opinion:** This feature enables the user to add posts to the pre-created or joined review groups.

o **<u>Non Functional requirement</u>**

- **Security/Privacy** -> protection website and data from hacker.

- **Download Time**-> to save time when download books.

- **Stability** ->protection website from dropping.

- **Legal** -> There may be legal issues involving privacy of information, intellectual property rights.

- **Accuracy** -> Requirements about the accuracy of the data.
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- **Modifiability** -> Requirements about the effort required to make changes in the software.

- **Portability** -> The effort required to move the software to a different target platform

❖ System Models

o Use Case Tables

Use Case ID:	1	
Use Case Name:	Register an account	
Actor:	End-User /Reader	
Precondition-s:	Net connection	
Post-conditions:	End-user/Reader is a registered user.	
Flow of event-s:	**End-User/Reader**	**System**
	Click 'Register' button	
		Display the registering form
	Fill the form	
		Validate the inputs
		Displaying a confirmation message.
Exceptions:	Connection down – User already found.	
Includes:	None.	
Notes :	None.	

Use Case ID:	2	
Use Case Name:	Signing in	
Actor:	End-User/Reader	
Preconditions:	Use case(1)	
Post-conditions:	End-User/Reader is signed in.	
Flow of event-s:	**Institution's Architect/ Representative**	**System**
	Click 'Sign-in' button	
		Display the sign in fields
	Fill the fields	
		Validate the inputs
		Displaying a confirmation message.
Exceptions:	Connection down – Wrong input.	
Includes:	None.	
Notes:	None.	

Use Case ID:	3	
Use Case Name:	Following a user	
Actor:	End-User/Reader	
Preconditions:	Net connection – Use case(2)	
Post-conditions:	Reader's follow list will be updated.	
Flow of event-s:	**End –User/Reader**	**System**
	Browsing the users' list.	
		Display the required user's profile
	Click "follow" button	
		Displaying a success following message.
Exceptions:	Connection down – User already in the following list.	
Includes:	None.	
Notes :	None.	

Use Case ID:	4	
Use Case Name:	Newsfeed Browsing.	
Actor:	End -User/ Reader	
Precondition-s:	Net connection –Use Case(2)	
Post-conditions:	Newsfeed will be labeled as seen.	
Flow of event-s:	**Institution's Architect/ Representative**	**System**
	Click" Newsfeed" button	
		Display the newsfeed page
	Browsing the newsfeed.	
Exceptions:	Connection down – User already found.	
Includes:	None.	
Notes :	None.	

Use Case ID:	5	
Use Case Name:	Profile Browsing	
Actor:	End –User/ Reader.	
Precondition-s:	Net connection -Use Case(2)	
Post-conditions:	Profile will be browed and marked as seen.	
Flow of event-s:	**Institution's Architect/ Representative**	**System**
	Click Home button	
		Display the latest activities
		Mark the browsed activities as seen
Exceptions:	Connection down.	
Includes:	None.	
Notes :	None.	

Use Case ID:	6	
Use Case Name:	Constructing a shelf	
Actor:	End-User/Reader	
Precondition-s:	Net connection – Use Case (2)	
Post-conditions:	A shelf will be added to the shelves list.	
Flow of event-s:	**End-User/ Reader**	**System**
	Click "Add Shelf" button	
		Display the description form
	Fill the form	
	Click "Done" button	
		Validate the inputs
		Displaying a confirmation message.
Exceptions:	Connection down – Shelf already found- Exceeding maximum number of shelves	
Includes:	None.	
Notes :	None.	

Use Case ID:	7	
Use Case Name:	Books Browsing	
Actor:	End-User/Reader	
Precondition-s:	Net connection – Use Case (2)	
Post-conditions:	The browsed books list will marked as seen.	
Flow of event-s:	End User/ Reader	System
	Click Browse Books" button	
		Display the Books ' lists
	Choose a list	
		Display the books in the chosen list
		List will be marked as seen
Exceptions:	Connection down – List already browsed	
Includes:	None.	
Notes :	None.	

Use Case ID:	8	
Use Case Name:	Sharing a book	
Actor:	End User/Reader	
Precondition-s:	Net connection - Use Case(2)	
Post-conditions:	A book will be added to the system.	
Flow of event-s:	**Institution's Architect/ Representative**	**System**
	Click "Share a book" button	
		Display the description form
	Fill the form	
		Validate the inputs
		Displaying a confirmation message of the added book
Exceptions:	Connection down .	
Includes:	None.	
Notes :	None.	

Use Case ID:	9	
Use Case Name:	Adding a book	
Actor:	End-User/Reader	
Precondition-s:	Net connection –Use Case (7)	
Post-conditions:	A book will be added to one of the reader's shelves	
Flow of event-s:	**End-User/Reader**	**System**
	Click on the book.	
		Display the book's description.
	Click "Add to shelf" button.	
		Display the existed shelves.
	Choosing one shelf.	
		Displaying a confirmation message.
Exceptions:	Connection down – book already on one shelf.	
Includes:	None.	
Notes :	None.	

Use Case ID:	10	
Use Case Name:	Labeling a book's status	
Actor:	End-User/Reader	
Precondition-s:	Net connection - Use Case(7)	
Post-conditions:	A book status will be changed.	
Flow of event-s:	**End-User/Reader**	**System**
	Choosing a book	
		Display the labels (Done , in progress, to be read)
	Choose a label	
		Attaching the chosen label to the chosen book.
Exceptions:	Connection down	
Includes:	None.	
Notes :	None.	

Use Case ID:	11	
Use Case Name:	Ranking a book .	
Actor:	End-User/ Reader	
Precondition-s:	Net connection	
Post-conditions:	A book will be ranked.	
Flow of event-s:	**End-User/Reader**	**System**
	Choose a book	
		Display the ranking range(1:5)
	Choose a rank.	
		Attaching the rank to the chosen book.
Exceptions:	Connection down – Book is not done yet.	
Includes:	None.	
Notes :	None.	

Use Case ID:	12	
Use Case Name:	Join a reviewing group.	
Actor:	Institution's Architect/ Representative	
Precondition-s:	Net connection -Use Case(2)	
Post-conditions:	Group's users list will be updated.	
Flow of event-s:	**End-User/ Reader**	**System**
	Click 'Display groups' button	
		Display the existed groups.
	Click on a specific group.	
		Display the group's info.
	Click 'join group' button.	
		Display confirmation message.
Exceptions:	Connection down – User already found.	
Includes:	None.	
Notes :	None.	

Use Case ID:	13	
Use Case Name:	Adding an opinion.	
Actor:	End-User / Reader – Use Case(12)	
Precondition-s:	Net connection	
Post-conditions:	An opinion will be added.	
Flow of event-s:	End-User/Reader	System
	Click 'Add an opinion' button.	
		Display the text area.
	Write the comment.	
	Click ' post' button.	
		Displaying a confirmation message and updating the group's comments.
Exceptions:	Connection down.	
Includes:	None.	
Notes :	None.	

o **Use case Diagram**
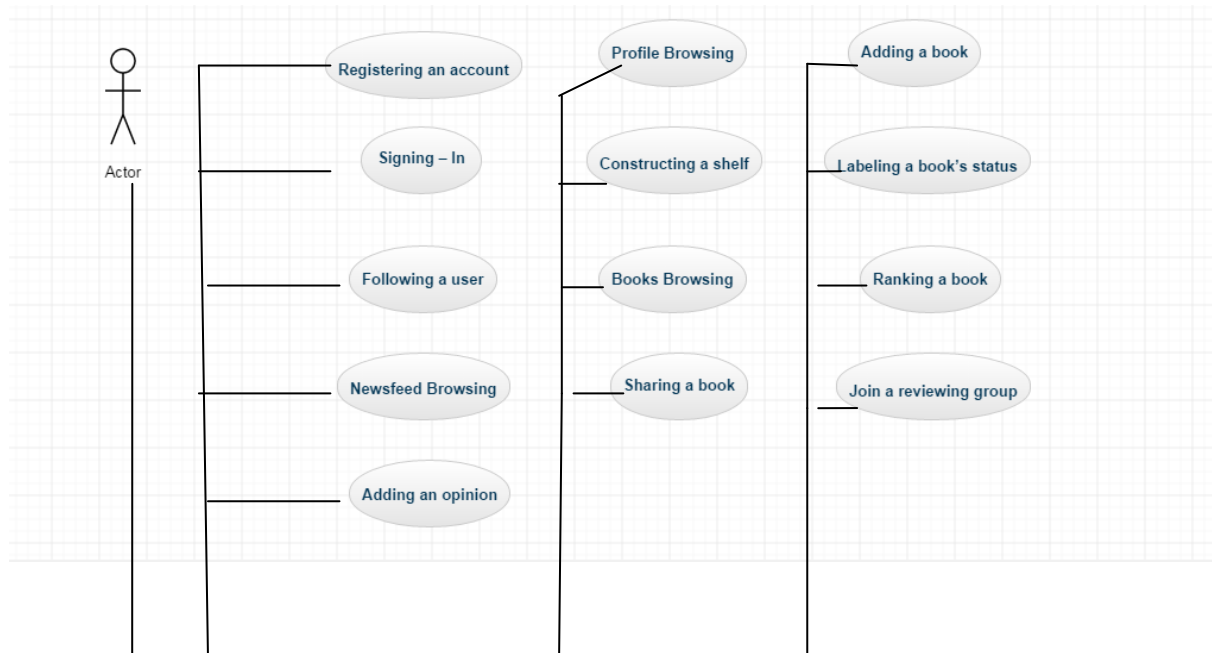
❖ **Owner Ship Report**

Item	Owner
Document Purpose and Audience	Soha Ragay Mohammed
SW purpose , scope	Nourah Touni , Soha Ragay
Functional Requirement	Thoria hossam , soha Ragay
Non Functional Requirement	Reem Gamal
Use Case Model	Nourhan Touni
Use Case Tables	Nourhan Touni