Faculty of Computers & Information

Course: Software Engineering - 1

Course Code: CS251

TA: Youmna Magdy

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Project Name: Books Network

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Software Requirements Specifications

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Software Requirements Specifications

Black Panthers

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Software Requirements Specifications

Document Purpose and Audience

- This document is for a Book Store project, meant to be proposed to the CEO and Project Manager.
- This document contains the Purpose, Scope & Functional requirements of this project.
- Targeted Audience: CEO & Project Manager.

Introduction

Books Network is a social media but entirely for books, allows users to know all new updates in the reading field. Its interface makes it easy for the users to let them have a lot of options regarding what they want to read, friends can compete with each other, create groups, join others groups, rate & review books & a little more.

It's like a virtual reading club and cataloging system. You can view books and add books to your own shelves, deciding later what you will read for an example.

Software Purpose

- The purpose of this software is to help users find what they're interested in concerning books among variety of different books categories, make it easy for them to communicate & share their experiences.

Software Scope

- Books Network it's like a virtual reading club and cataloging system. We have set of different books and users. User can deal with this software like a library, but virtually of course & little features than the real library (as there is no books to read/borrow) it just simulates the whole process to satisfy the user interests, by letting him arrange his readings accurately, track them & share thoughts with others.

Software Requirements Specifications

Definitions, acronyms, and abbreviations

Reader	The user who reads, make a review and rate the books and other actions
WTR	Books reader wants to read
BTBR	Books to be read
CRD	Currently reading

Requirements

Functional Requirements

- **View:** user can view his saved choices in his own shelf & also can view different books categories available.
- **Login:** user uses his username & password to login into his account to proceed his activity.
- **Sign up:** system user can sign up by filling his personal information so he use the privilege of being a system users (more options he can access).
- **Logout:** user can sign out from his account after he ends his activity.
- **Add:** user can add different books to his shelf so he can remember to read it later.
- **Find:** user can search about a desired book and Add it if existing in the current categories list.
- **Review:** user can share his own opinions about some book he finished reading.
- **Rate:** user can rate some book by giving it from one to five stars.
- **View reviews:** user can read others opinions as well by reviewing others comments regarding the book he seeks.
- **Activity:** shows friends activities like: what they'd finished, what they're reading, what they want to read, reviews & ratings made by them.
- **Add friend:** users can add each other so they can share more advantages of this software like competing with each other in finishing some book.
- **Remove friend:** user can remove specific friends from his friend list.
- **Progress:** users can compete with each other by specifying the wanted book and they can watch their own progress whenever it's updated.
- **Create group:** user can create group and add others to it so they can share their experiences.
- **Join group:** user can join any groups he want, he can search for related group names concerning his interests & join them.
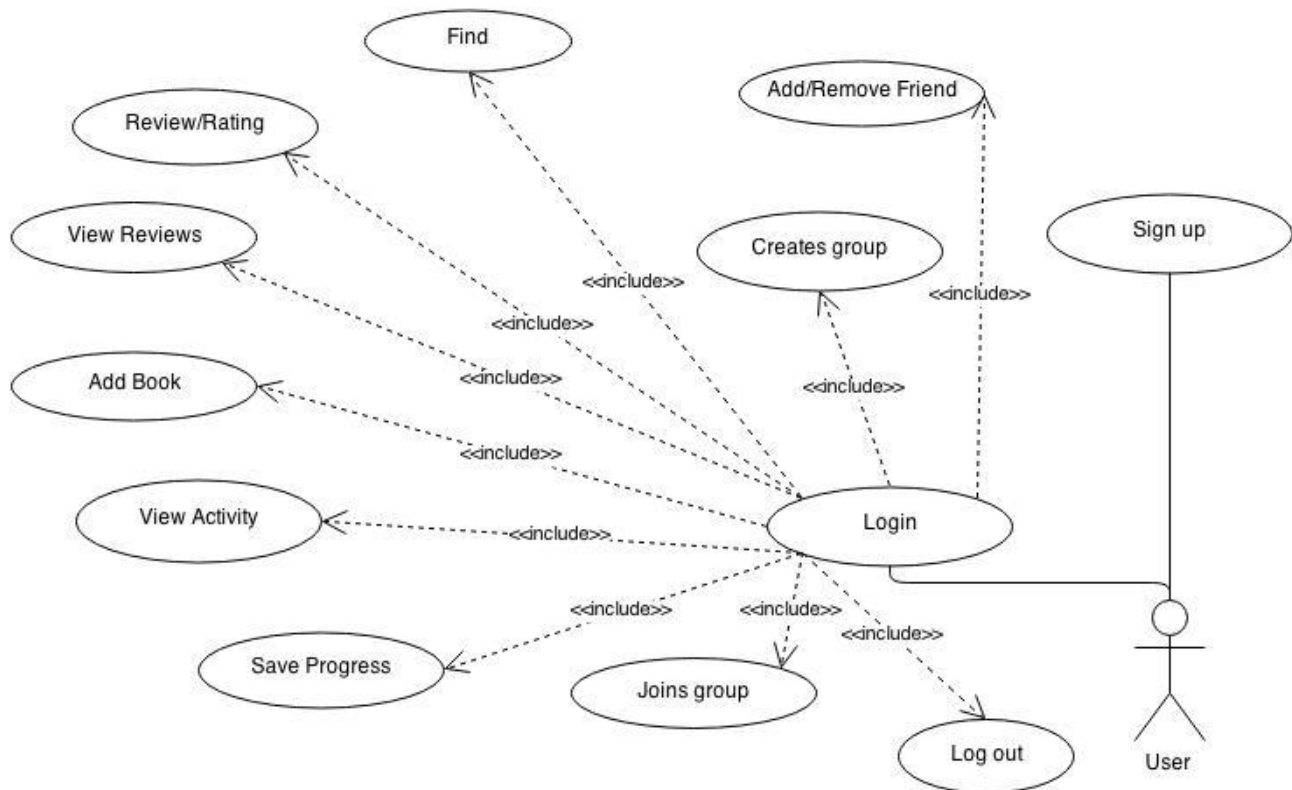
Software Requirements Specifications

Non Functional Requirements

- Modified data in a database should be updated for all users accessing it within few seconds.
- Users update their shelves *–Add/remove books-* in few seconds.
- Updating home of every user within every 2 minutes to show updated posts of his friends.
- Whenever user Add/Remove a friend, friends list should be updated automatically in few seconds.
- Whenever user Join/Create a group, groups list should be updated automatically in few seconds.
- User's Rating is added to ratings and linked to his profile in seconds.

System Models

Use Case Model

Software Requirements Specifications

Use Case Tables

Use Case ID:	101	
Use Case Name:	Surfing the book network	
Actors:	User	
Pre-conditions:	None	
Post-conditions:	System have active users	
Flow of events:	**User Action**	**System Action**
	1- User login Entering Name and Password.	
		2- System validate user data
	3- User Add books to his shelf.	
		4- System stores the user's choice
	5- User View reviews of others' opinions.	
		6- System shows others opinions to the user
	7- User Find/Search for some book	
		8- System displays the search result
	9- User Add/Remove his friend	
		10- System acquire that friend ID and add/remove him to/from the friends list
	11- User Sign up	

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		12- System creates new account to the current database
	13- User creates group	
		14- System creates group with the specified name demanded
	15- User Joins group	
		16- System assign the user to the requested group
	17- User Review/Rating some book	
		18- System receives/saves the user review/rating
	19- User want to save his progress	
		20- System saves the user's current progress
		21- System displays the user progress whenever requested
	22- User Views others' activities	
		23- System currently displaying others activity
Exceptions:	invalid name of searched book/author/category –no results- username/password is not correct	
Includes	At the beginning of every use case, user should enter his/her username and password, then the home of his account appears.	

Software Requirements Specifications

Ownership Report

Item	Owners
• Document Purpose & Audience • Introduction	Amr Gamal Abd El Naser
• Requirements	Radwa ELsayed Oraby
• System Models	Ahmed Nabil ELyamany