Books Network.

CS251: Software Engineering I

T.A (Youmna Magdy)

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CS251: Phase 1 –Ds Team, Books Network

Contents

Team Members

ID	Name	Email	Mobile
20120438	Nourhan mohamed mohamed ezzat	nourhanmohamed30394@yahoo.com	01152626567
20120133	Basma Ahmed Abd el Rauf	Basma_hashem@ymail.com	01113565784
20120134	Basma Khaled Abd el Rahman	basma-khaled94@hotmail.com	01127194066
20120406	Mai abd el-hamid fahim	maishalan@hotmail .com	01156866628

CS251: Phase 1 –Ds Team, Books Network

Document Purpose and Audience

Document Purpose is to make the client know the steps and the requirements of the project.

And the audience are always the customer and Team members who will review and use your work as reference.

Introduction

Software Purpose

The purpose of the Books Network Software, that we can see What our friends are reading.

Keep track of what we have read.

Make a list of books we would like to read.

Discuss and rate the books we love.

Software Scope

Requirements will change and grow over the course of any software project. This is a natural aspect of software development. In fact, if a project doesn't experience some requirements evolution, the team likely is ignoring reality and risks releasing an irrelevant product. The prudent project manager anticipates and plans to accommodate some requirements growth.

Good reads Scope is to encourage people to read and to rate books and to see what friends read and to discuss each book we read and rate them.

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Requirements

Functional Requirements

- Sign up : this function allow user to create account on the program
- Login : this ask user to enter his mail and password and if they are correct logging in to the account else not
- Search : user can search for a book or an author
- View : user can view any book whether has account or not
- Add book: the user who has account can add a book by uploading it on the site for people which want to know about the book

- User shelves : user can

1. Add shelves
2. Edit shelves

- Add books in his/her shelves
- Review : for any book user can

1. Write a review
2. Edit his/her review

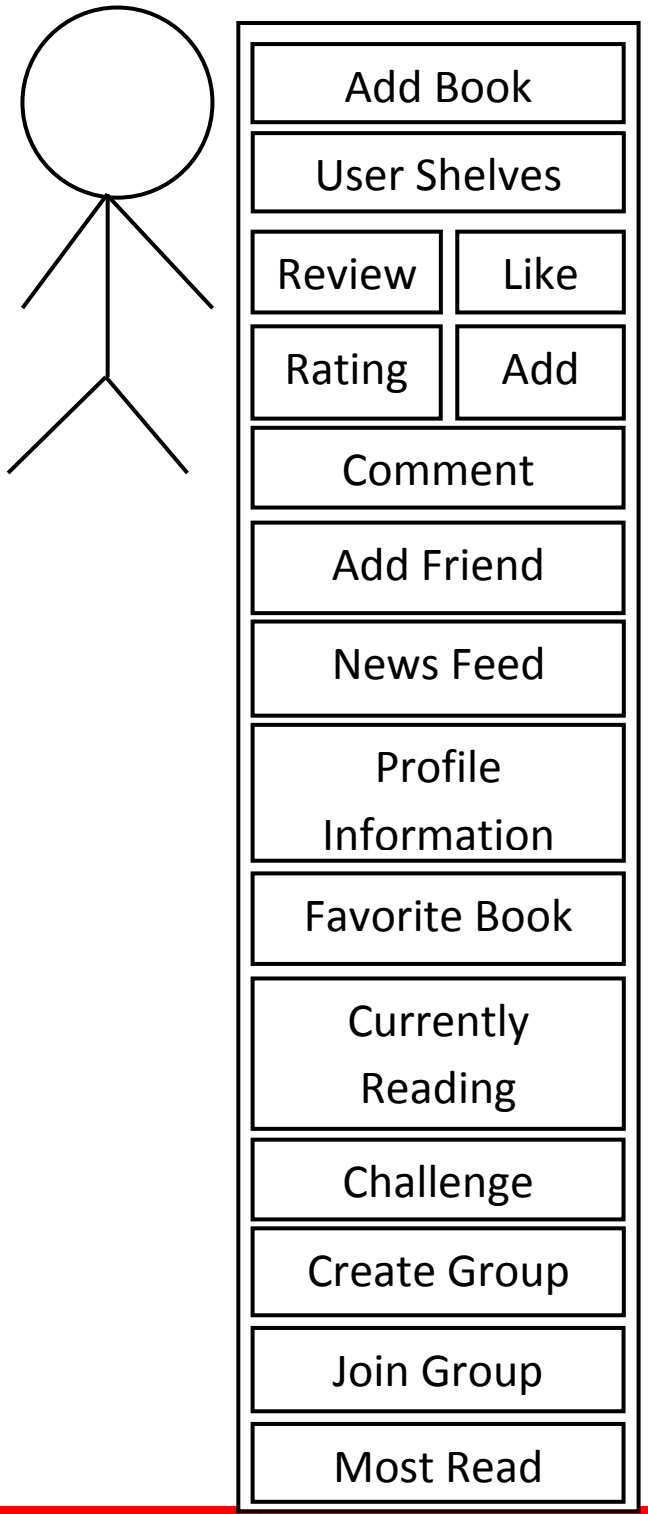
- Rating : for any book user can rate it up to 5 stares
- Like : any user has account can like any review
- Comment : any user has account can comment on any review
- Add friend : any user has account can add friends
- News feed: shows the users friends activities
- Profile info : where user can write his own information
- Favorite books :in which the users' books which have 5 stares
- Currently reading : in which the users' books which currently reading
- Challenge : any user can compete with another user for a given book
- Create group : any user can create a group
- Join group : any user can join any group
- Add : user can add post and comment
- Most read : in which the books which a lot of people marked as favorite book

Non-Functional Requirements

- Log in :the user enter his account in 3 sec,public for any other user.
- sign in :the user creat new account in 5 sec. it's done ,his information are private only username is public.
- add users :it's only for users with accounts to add a book it takes 5 sec. it can be for public or private .

- User shelves : user create a new shelve in 5 sec. he can choose between public or private as security .
- Review : it takes 2 sec.to view all ,it's public .
- Rating : only users with accounts can rate .
- Like : only users with accounts can press like.
- Comment : only users with accounts can write a comment.
- Add friend : users with accounts can add each others ther profiles are public.
- News feed: shows the users fiends activities,public.
- Profile info : where user can write his own information ,private.
- Favorite books :in which the users' books which have 5 stares,public.
- Currently reading : in which the users' books which currently reading,public.
- Challenge : any user can compete with another user for a given book.public between users having accounts .
- Create group : users with accounts can create a group can be public or private.
- Join group : users with accounts can join any group.
    - Add : userwith accounts can add post,public.
    - Most read : only users with accounts can mark abook to be their favorite book,public.

Use Case Model:-



Use Case Tables:-

Use Case ID	1	
Use Case Name	Sign up	
Actors	User	
Pre-condition	User must be a new member	
Post-condition	Can create an account	
Flow of Events	User Action	System Action
	User enter password and username	
		System save user data

Use Case ID	2	
Use Case Name	Log in	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can enter to the program	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data

Use Case ID	3	
Use Case Name	Search	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can search about book or author	
Flow of Events	User Action	System Action
	User enter password and username	
		System save user data
	Enter book or author that user want	
		System apply the request

Use Case ID	4	
Use Case Name	View	
Actors	User	
Pre-condition	User must be a member or not	
Post-condition	Can view any book that user want	
Flow of Events	User Action	System Action

Use Case ID	5	
Use Case Name	Add Book	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Anyone can read it	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data
	User select add book	
		System add it

Use Case ID	6	
Use Case Name	User Shelves	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can add lots of books	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data
	Add shelves	
		System add it

Use Case ID	7	
Use Case Name	Review	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can review all books	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data
	Review the book that user wants	
		System review the user's rate

Use Case ID	8	
Use Case Name	Rating	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can rate all books	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data
	Rate the book that user wants	
		System save the user's rate

Use Case ID	9	
Use Case Name	Like	
Actors	User	
Pre-condition	User must be a member	
Post-condition	Can like all books	
Flow of Events	User Action	System Action
	User enter password and username	
		System verify user data
	Like the book that user wants	
		System like the user's rate

Ownership Report:-

Item	Owners
Mai Shalan	Introduction
Basma Khaled	Functional Requirements
Basma Ahmed	Non Functional Requirements
Nourhan Mohamed	System Models