



# **Software Engineering 1**

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**Phase - 1**

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# **1- 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.**

### **1.1- Purpose**

**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.**  
**Our recommendation engine analyzes data to give suggestions tailored to your literary tastes.**
- 4. Find out if a book is a good fit for you from our community's reviews.**
- 5. Can rate books and know which good one**
- 6. Add books manually if it's not in the public list**
- 7. Open discussions about books**

### **1.2- Scope**

**This website is like virtual reading club 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.**

**And there are different areas where we can use this application in:**

- **Any education institute can make use of it for providing information about author, content of the available books.**
- **It can be used in offices and modifications can be easily done according to requirements**

## **2- Requirements**

### **2.1- Functional requirement**

#### **❖ Website**

 **Log in -> to log in website**

**Divided to:**

- **By Email**
- **By Social Media**

 **Sign up -> to create an account on website**

 **Post\_Characteristics : if someone like post or want to comment**

**Divided to:**

- **Like**
- **Comment**

#### **❖ Books**

 **addBooks -> to add book to my list**

**Divided to:**

- **read**
- **want\_to\_read**
- **currently\_reading**

 **SearchBook -> to search about books and add them to my shelf**

 ***Book\_info -> Shows How Many Books Are There In My shelf ,Their types, author ,rating and review***

 **Opinion -> Review: to write small paragraph about book I rode**

**-> Rating: to Evaluate the books from (1 : 5)**

## ❖ Users

- ✚ List\_Of\_Friends -> to choose your friends and add them to your list
- ✚ Follow -> Allows Users To Follow Each Other To Be Confirmed With Their updates
- ✚ Groups -> add Friends to group and discuss with each other about books
- ✚ Competition -> Allows Users To Compete With Each Other By Collecting The Higher Rating And Reviewing On a Certain Book
- ✚ Latest\_Updatest\_My\_Followers -> Shows The Latest Updates Of My Friends' Shelves  
"Read,Currently\_Reading,To\_Read"
- ✚ Favorites -> show my favorite list of books and author  
Divided to:
  - Authors -> Shows The Most Authors That I have read Their Books In My Shelve
  - Books-> Shows All Books In My Shelve that Ranked "5 Stars"
  - Genres->Shows The Most Favorite Types Of Books In My Shelve)

## **2.2- Non Functional requirement**

- + 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.**
- + 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**