



# CS251: Phase 2 –Amanders,BookNetwork

## Software Design Specification

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### Team

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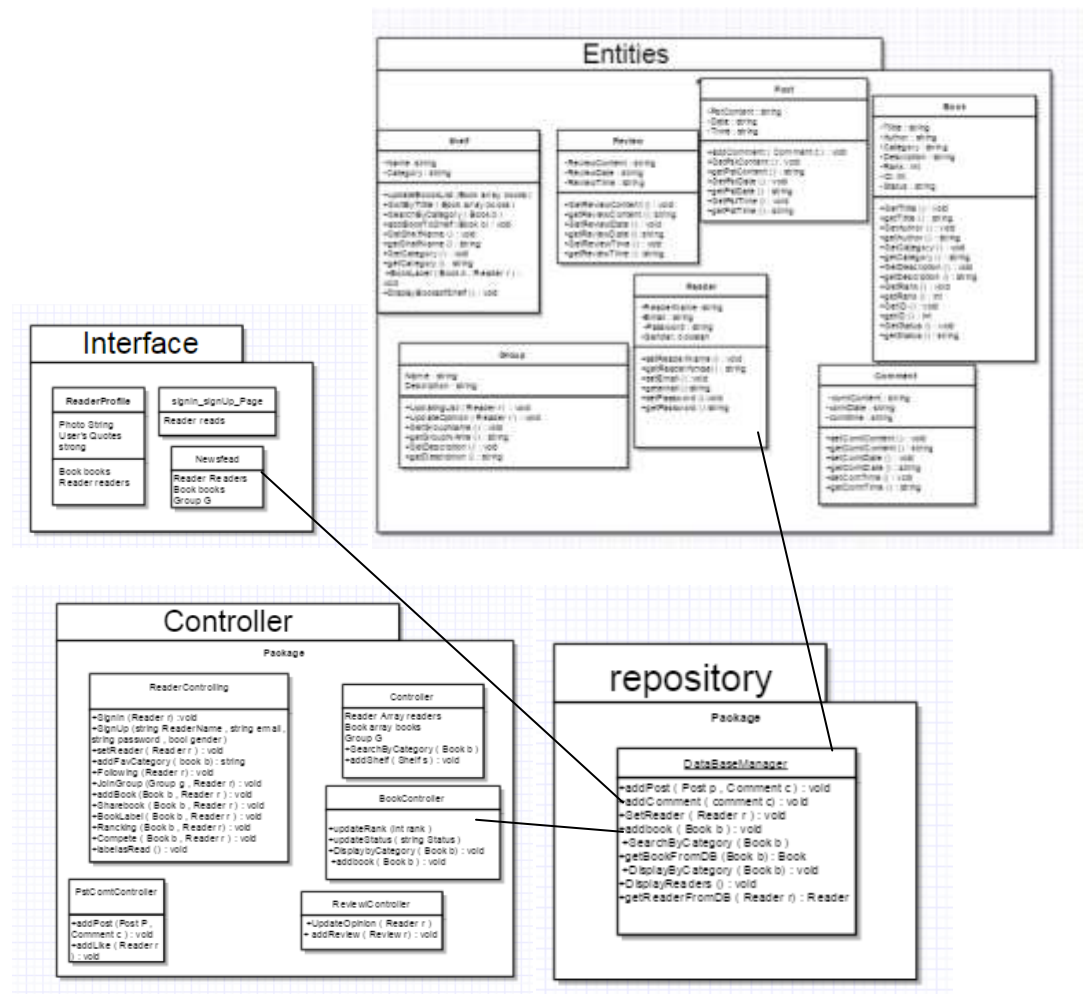
## Software Design Specification

### Document Purpose and Audience

This document is the Software Requirements Specification (SRS) for Book network. SDD usually accompanies an architecture diagram with pointers to detailed feature specifications of smaller pieces of the design. It is designed and written for stakeholders: professors and project developers.

### System Models

#### System Decomposition

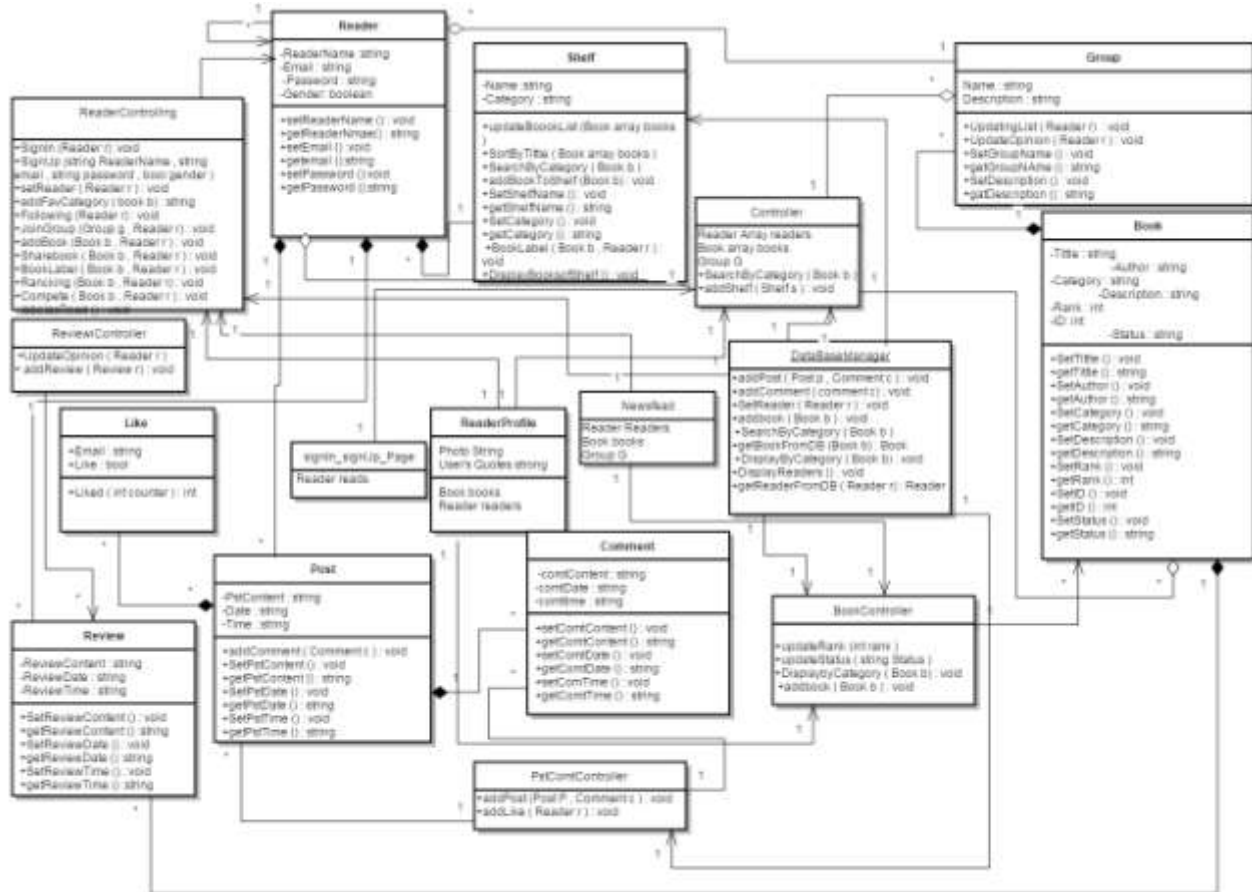




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## Software Design Specification

### Class diagrams





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### Software Design Specification

ID	Class	Description
1	Reader	This class for user. His Password, Name, E-mail, ID & Gender are saved in it
2	Reader controller	That control operation of reader in like sign in, sign up, follow people Add, share and rank books , Book labeling, Compete with another user for a given book, Add favorite category of books And join group
3	Post	To save reader's posts
4	Like	To save number of post's like and who do it
5	Comment	To save post's comment and who do it
6	PC controller	To make user adding post and like it
7	Book	This class for books. Its name, outer, category, ID, Statue & rank are saved in it. In this class you can update books 'ranking and small review about it
8	Shelf	This class for updating book list , sorting it by title and search by book category
9	Group	This class for Communicate users with each other like chat group
10	Controller	Website Main and interface
11	Signin_signup_page	
12	Reader_progile	
13	Newsfeed	
14	Review	To Make reader enable to add review about book

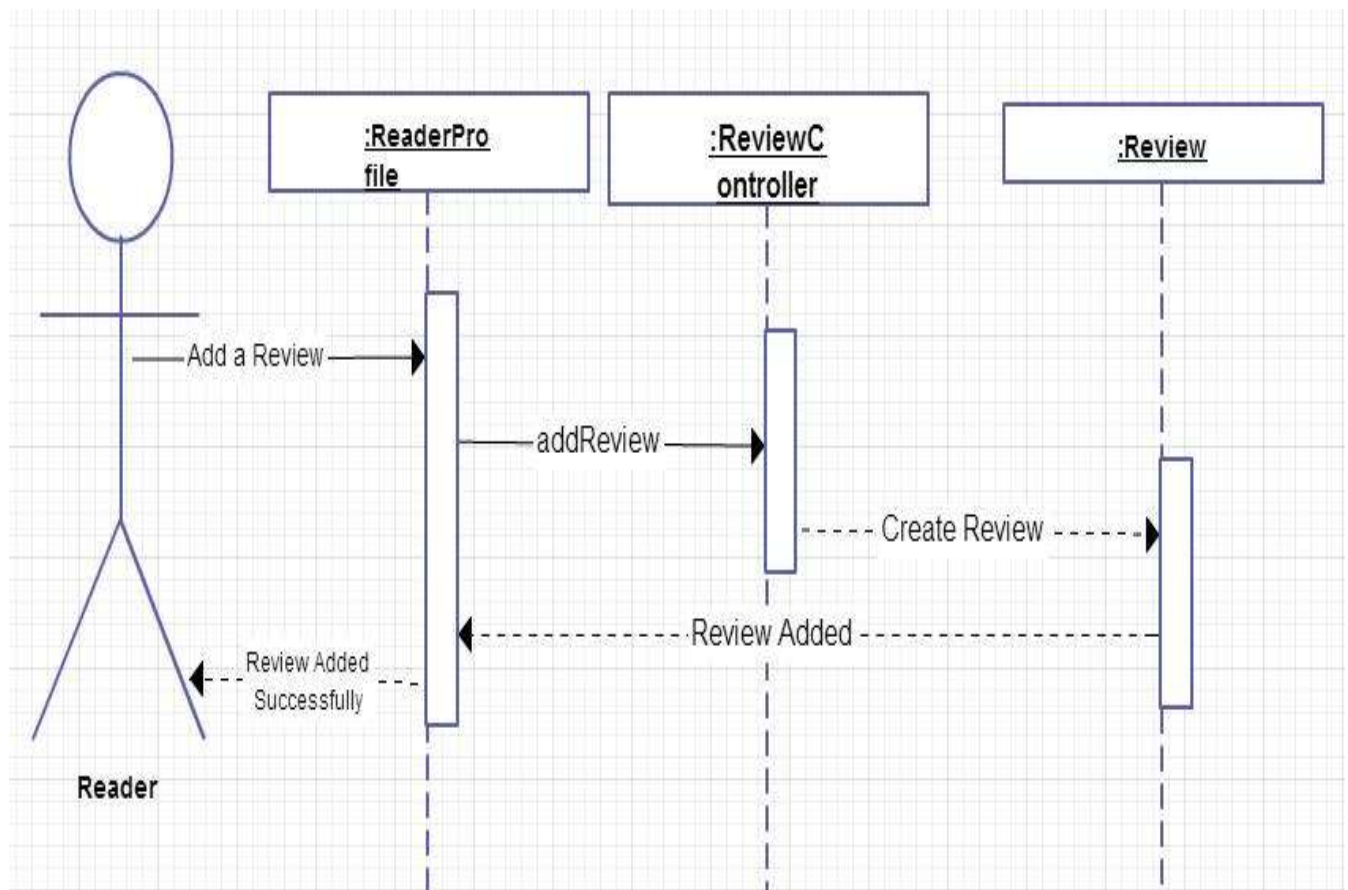


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# Software Design Specification

### Sequence diagrams

#### Add Review

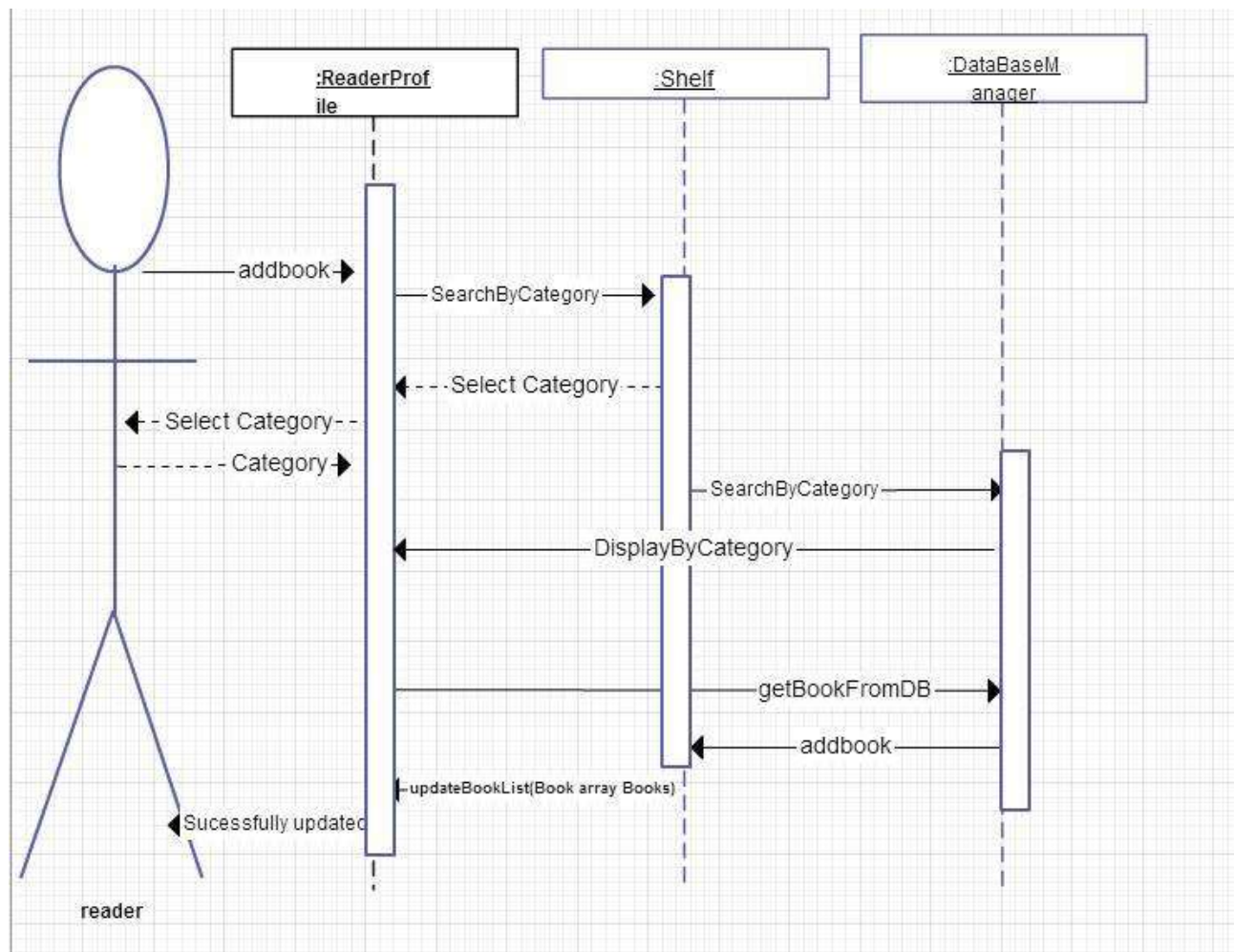




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## Software Design Specification

### Add Book



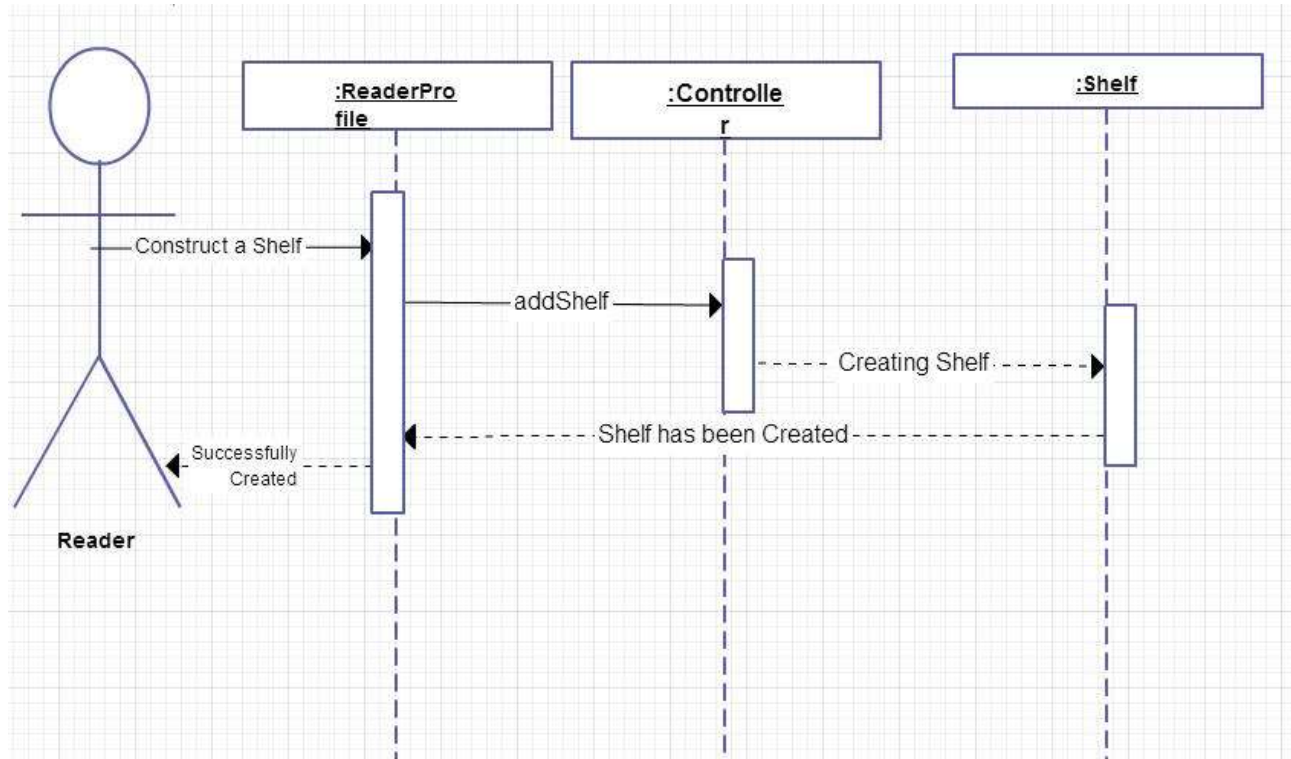




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### Software Design Specification

Construct a shelf

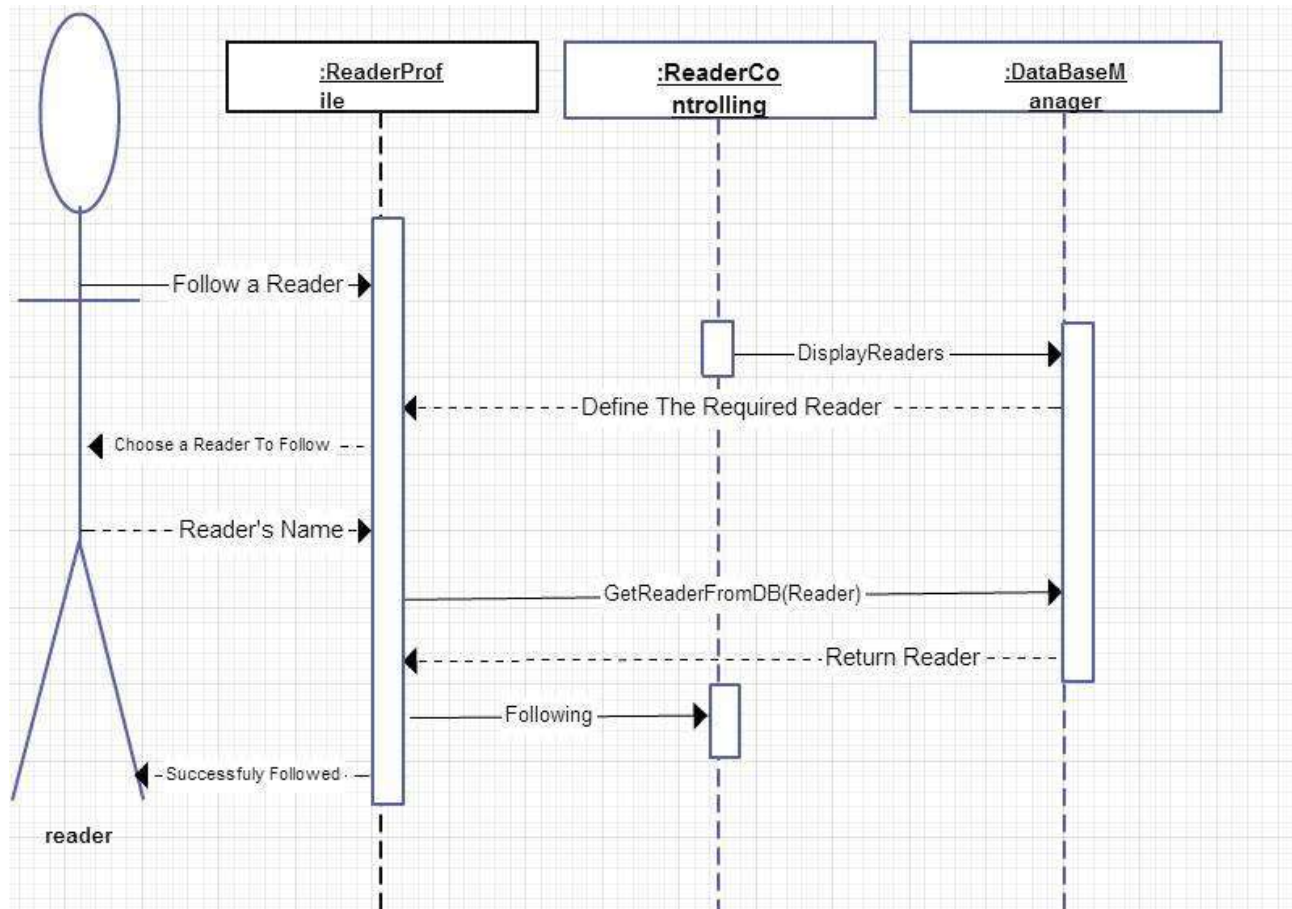




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### Software Design Specification

#### Follow Reader



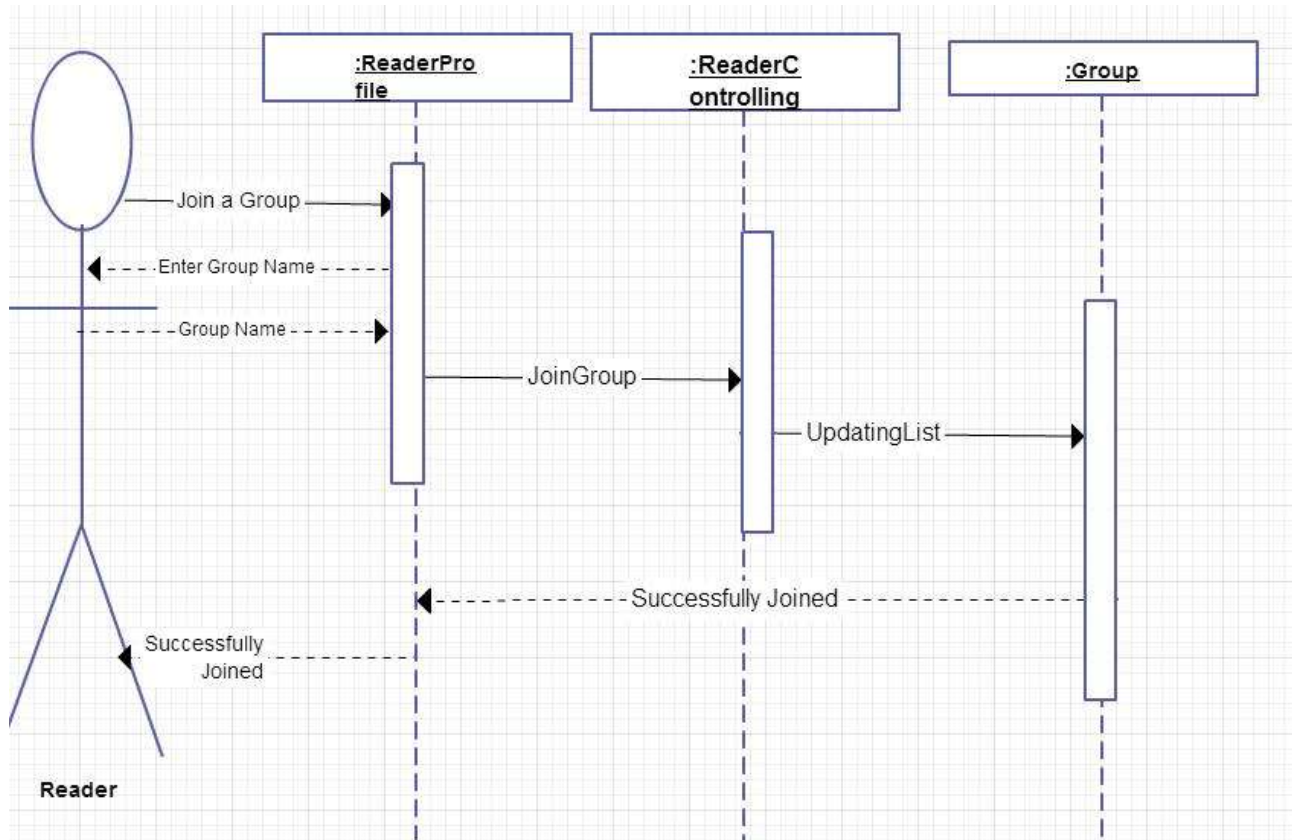




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### Software Design Specification

#### Join a Group

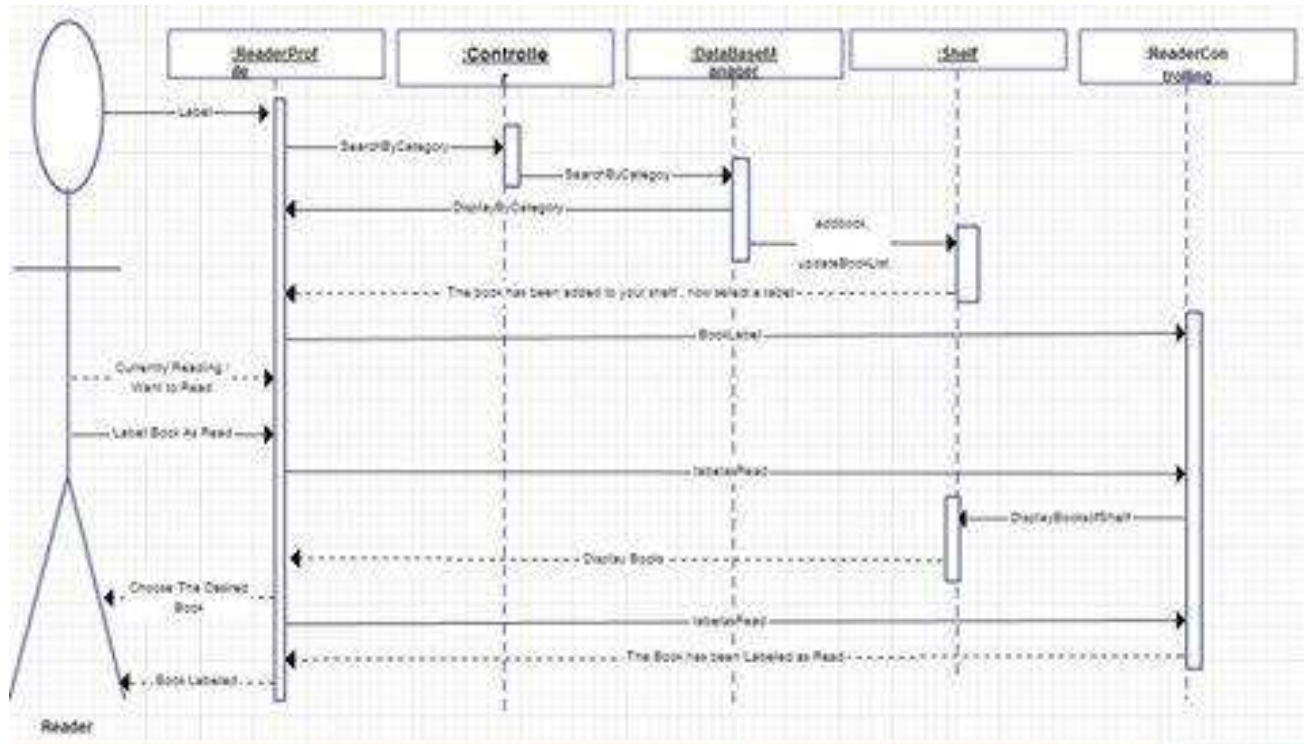




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### Software Design Specification

#### Label Book's Status

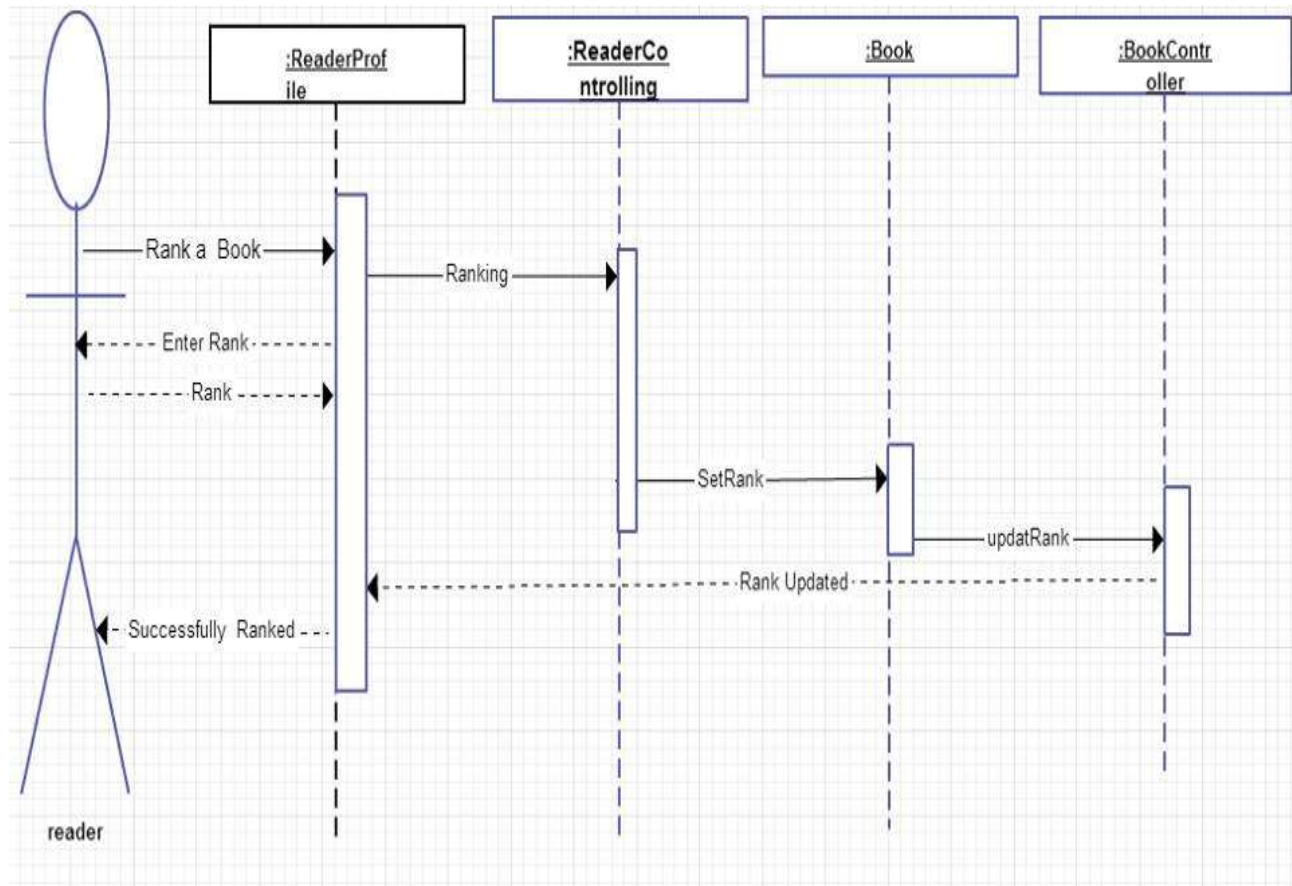




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### Software Design Specification

#### Rank a Book

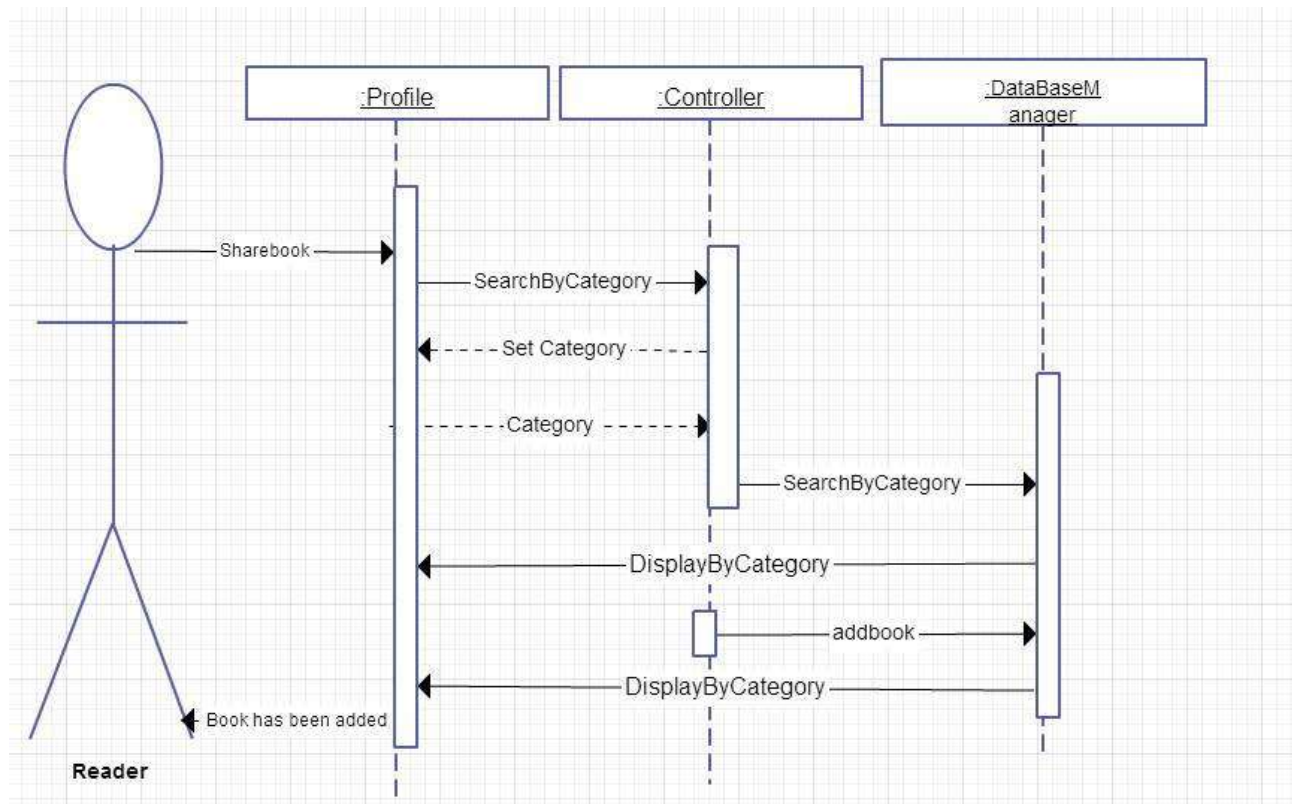




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### Software Design Specification

#### Share Book





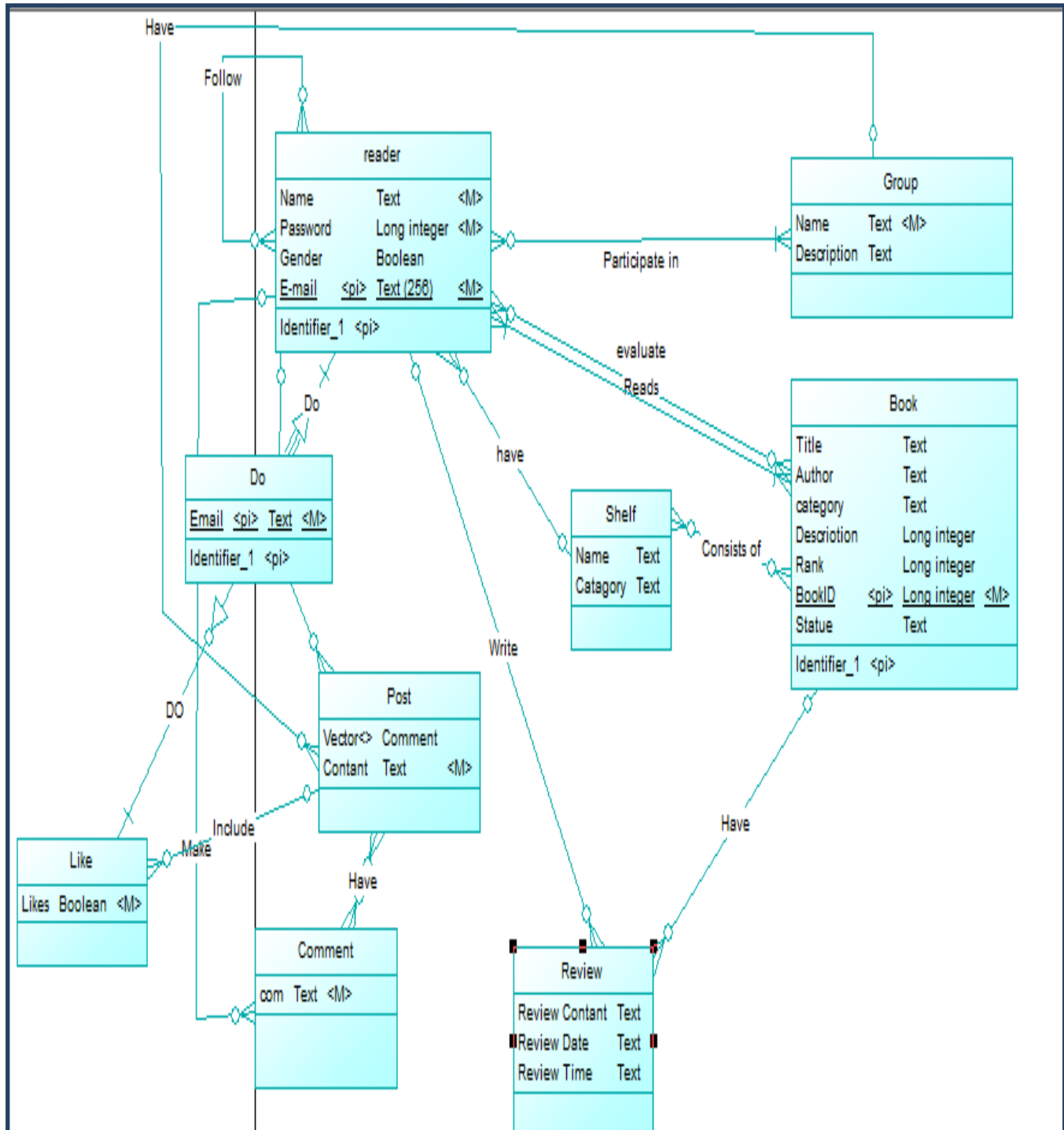
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## Software Design Specification

### Class - Sequence Usage

Class name	Sequence diagrams	Overall used methods
Review Controller	1	addReview
Review	1	Creating a review object
shelf	2,3,6	addBook , searchByCategory , creating a shelf object
dataBaseManager	2,4,8,6	searchByCategory ,getbookFromDB,getReaderfromDB,addBook
controller	3,6,8	addShelf,searchbyCategory
Readercontrolling	4,5,6,7	Following , joinGroup , Ranking ,LabelBook
Group	5	UpdatingList
Book	7	setRank
BookController	7	updateRank

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### User Interface Design

Sign in – sign up

Email

Password

**Sign in**

*New here? Create a free account!*

Name

Password

Email

**Sign Up**


By clicking "Sign up" I agree to the BookNetwork Terms of Service and confirm that I am at least 13 years old



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### Profile Page



**User Name**  
**details**  
**Birthday**

[Sign Out](#)

[User Friend \(-\)](#)

**User Bookshelves**

[read \(-\)](#)   [Currently-read\(-\)](#)   [to-read\(-\)](#)

**User is Currently reading**

<b>Book Name</b>	<b>Rate this book</b>
<b>By: author</b>	☆☆☆☆☆

**User's Post**

[Group reviewing list\(-\)](#)



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Owner	Item
Soha Ragey	User Interface Design, Physical Entity Relationship Diagram, Class diagram Table
Nourhan Mohamme Touny	Class Diagram , Sequence Diagram table , System Decomposition
Thouraya Hossam	Sequence diagram , Sequence Diagram table
Reem Gamal	Sequence diagram , Sequence Diagram table