

COME373 Project
Report

ReaDorm



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Abstract

Explore literature in a whole new way with our advanced online platform, which has been carefully crafted for book lovers. This project aims to reinvent the online book review environment by combining state-of-the-art technology, artistic refinement, and user-centric functionality.

When we first started the project, we carefully described the requirements for the database and homepage, laying the groundwork for a user-friendly interface. We created an eye-catching design using HTML and CSS, which was enhanced by a distinctive logo and tagline. Moving on to the back-end, we used ASP.NET Forms to create the database connections and add the necessary features.

Prioritizing user accessibility is demonstrated by a safe login page and an easy-to-use registration procedure. Sample books were included to enhance the user experience and show off the potential of the platform. This project works in perfect harmony with our SSMS database.

Through the creation of a database diagram, the structure of the database was visually represented, providing a clear understanding of the linkages and attributes. The project's completion involved running queries through a thorough testing process to make sure the database was reliable and effective. The structural elements of both projects are the main emphasis of this abstract, which also distinguishes their individual contributions without blending their different topics.

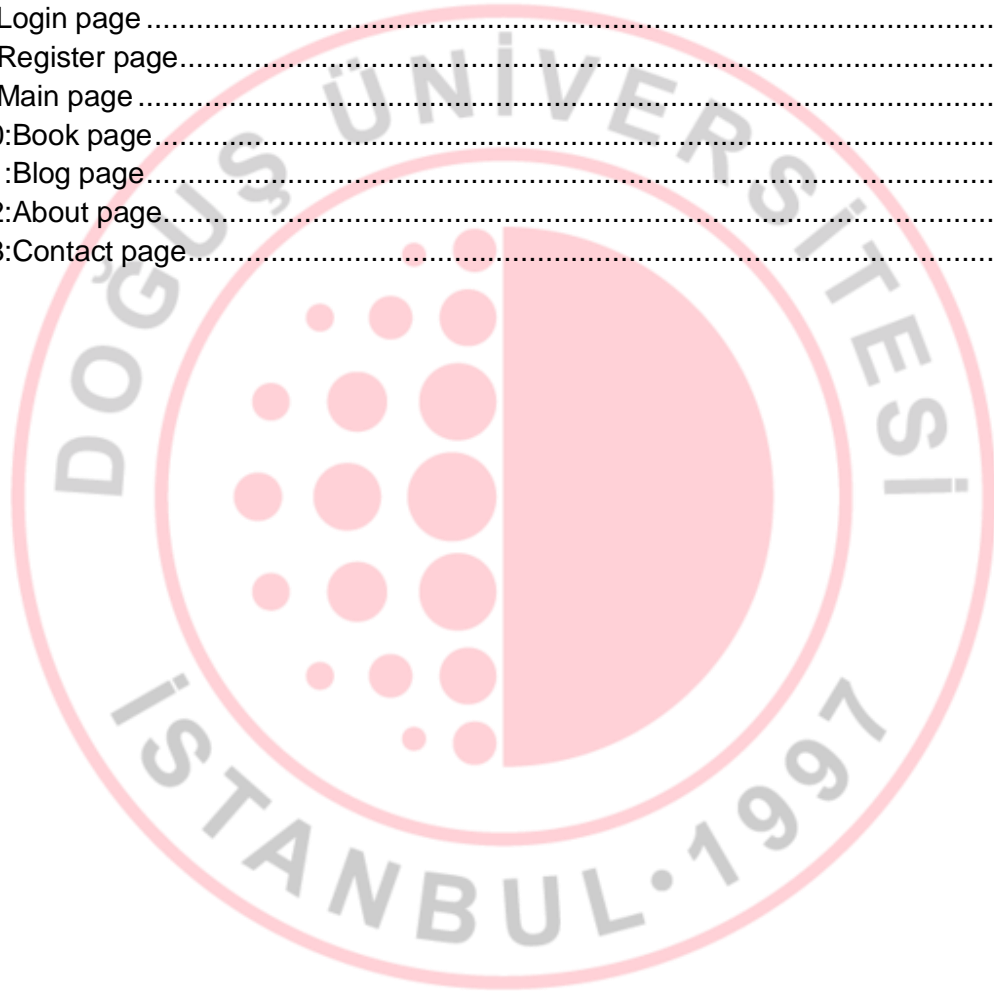
Our abstract focuses on the structural aspects of both projects, emphasizing the seamless integration of user interactions with books in the literary platform and the intricate relationships within our database.

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1.Introduction

The reason we started working on this project is that we can find almost nothing about books on the internet. We only have summaries of the books or the ratings left by the readers. However, topics such as opinions about the book, what the reader understands are not available on the internet. For this reason, we wanted to make a platform where users can score the books they have read, share what they understand from that book, why they like or dislike the book, in short, in a way discuss with each other and exchange ideas.

2.Used Technologies

- SSMS
- Visual studio
- ClickCharts Diagram Flowchart Software
- Word

3.Requirements

3.1 Data Requirements

- User Registration and Authentication:
 - i. Users should be able to register for an account.
 - ii. Authentication mechanisms should be in place to ensure secure access to user-specific data.
 - iii. Every user has a unique ID, first name, middle name, last name, age, books they have read and the comments they left about them.
- Book Information:
 - i. The system should provide comprehensive information about books. This includes book summaries, reader ratings, and other relevant details.
- User Interaction:
 - i. Users should be able to score the books they have read.
 - ii. There should be a platform for users to share their insights and opinions about the book.
 - iii. Users should be able to express what they understand from a particular book.
- Discussion Platform:
 - i. The system should facilitate discussions among users about books.
 - ii. Users should be able to discuss their opinions, interpretations, and thoughts on different books.
 - iii. A platform for exchanging ideas and engaging in meaningful discussions should be available.
- Rating System:
 - i. Implement a rating system where users can provide ratings for books.
- User Profiles:
 - i. Each user should have a profile where their personal informations, books they have read and additional informations about that book or books.
 - ii. Users should be able to view others' contributions about books.
- Content Moderation:
 - i. Implement a content moderation system to ensure that discussions and contributions adhere to community guidelines.
 - ii. Users should have the ability to report inappropriate content.

3.2 Function Requirements

- Book Exploration and Discovery:
 - i. Users should have an intuitive and user-friendly interface to explore a wide variety of books available on the platform.
 - ii. Implement effective categorization and tagging systems to help users discover books based on genres, authors, and themes.
- User Contributions:
 - i. Allow users to submit their reviews, ratings, and opinions about books they have read.
 - ii. Provide a platform for users to share their interpretations, insights, and understandings of the books.
- Discussion Features:
 - i. Implement discussion forums or comment sections for each book, enabling users to engage in conversations about the content.
 - ii. Facilitate the exchange of ideas, recommendations, and perspectives among the community of readers.
- User Engagement and Interaction:
 - i. Create a user-friendly system for liking, commenting, and replying to others' comments to encourage active participation.
 - ii. Include social features such as following other users, creating personalized blog pages, and creating personalized reading lists.

4.Application Modelling (/Design) Steps

4.1UML Use Case Diagram

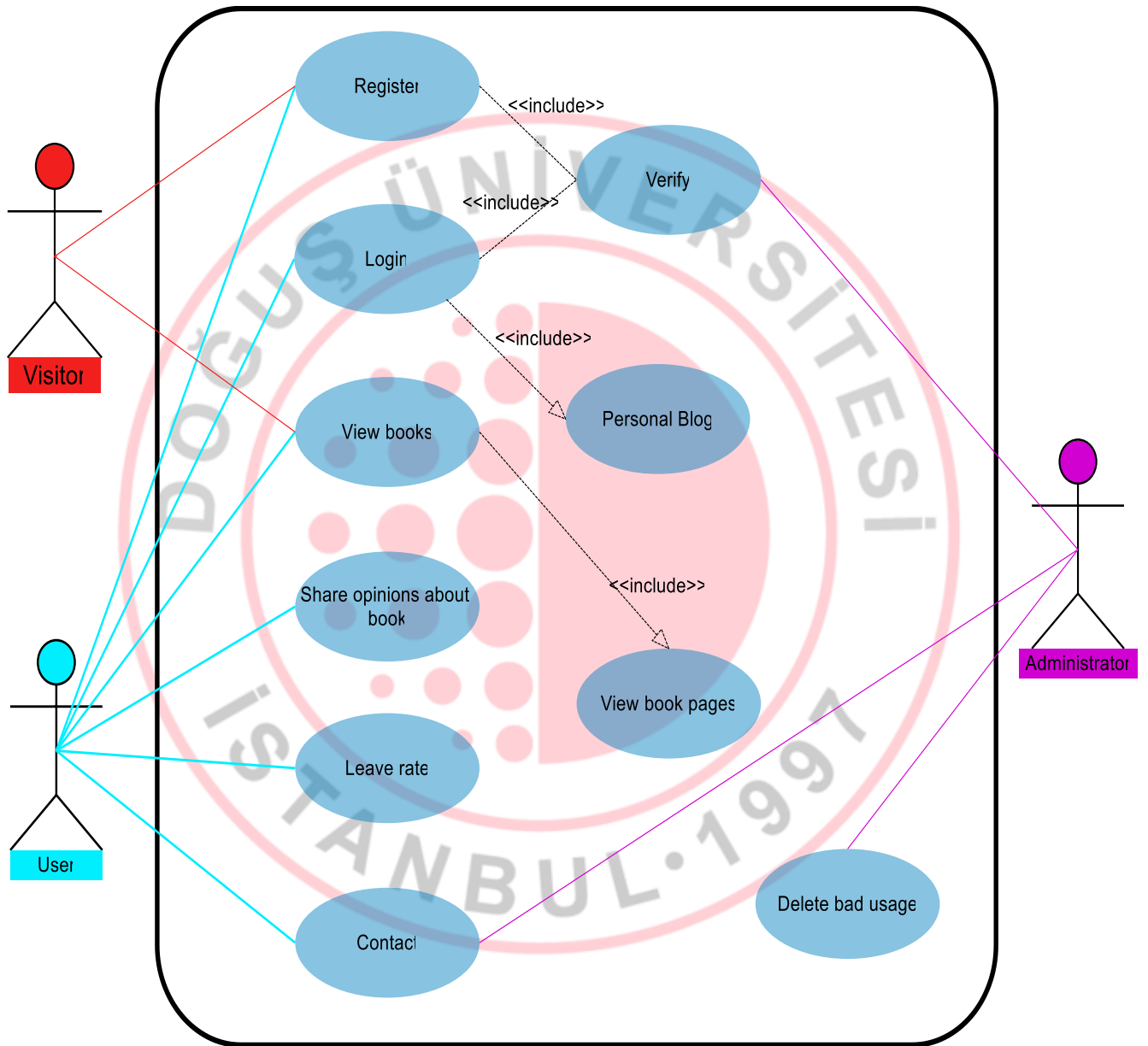


Figure 1:Use Case Diagram

4.2 UML Class Diagram

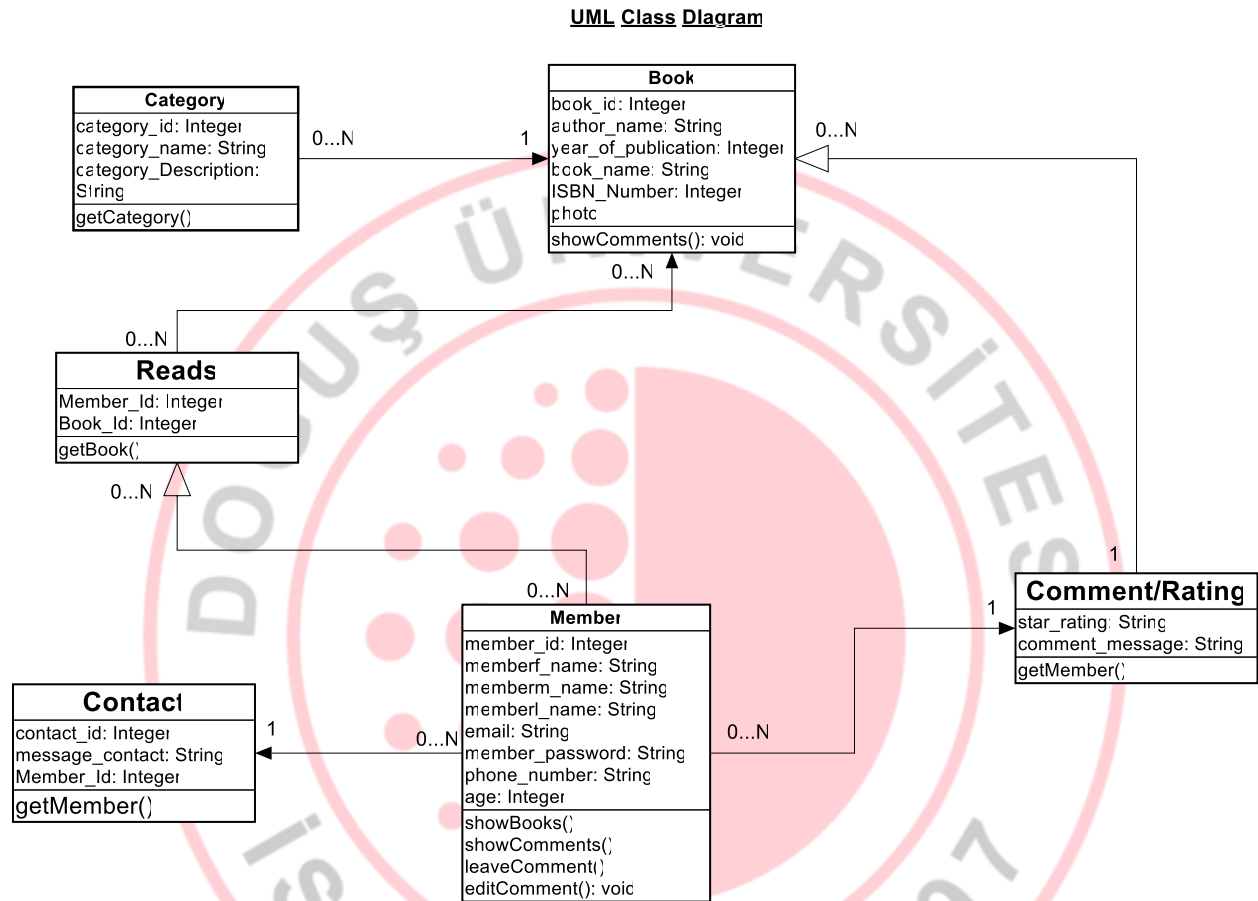


Figure 2: Class Diagram

5.Database Modeling(/Design) Steps

5.1 ER Diagram

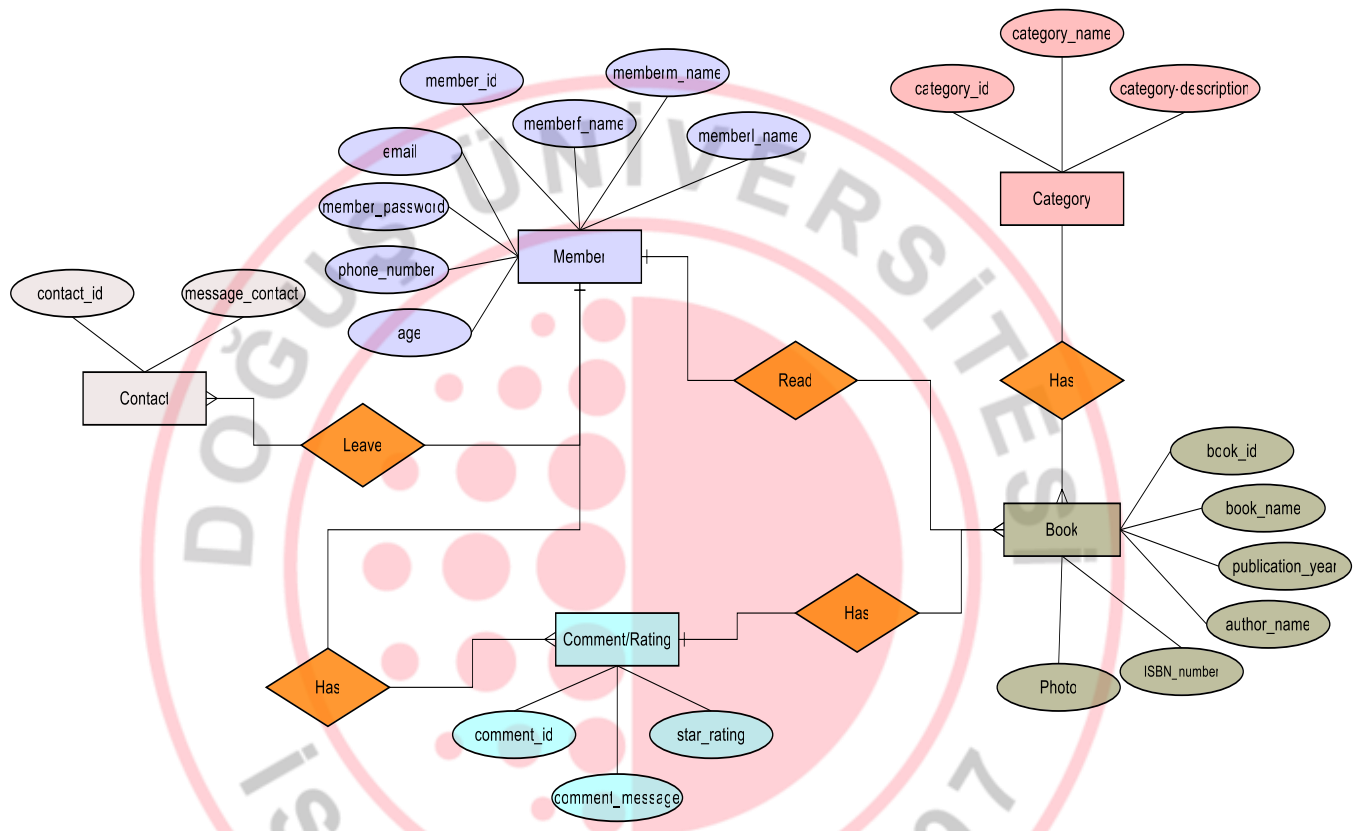


Figure 3:ER Diagram

5.2 Relational Schema

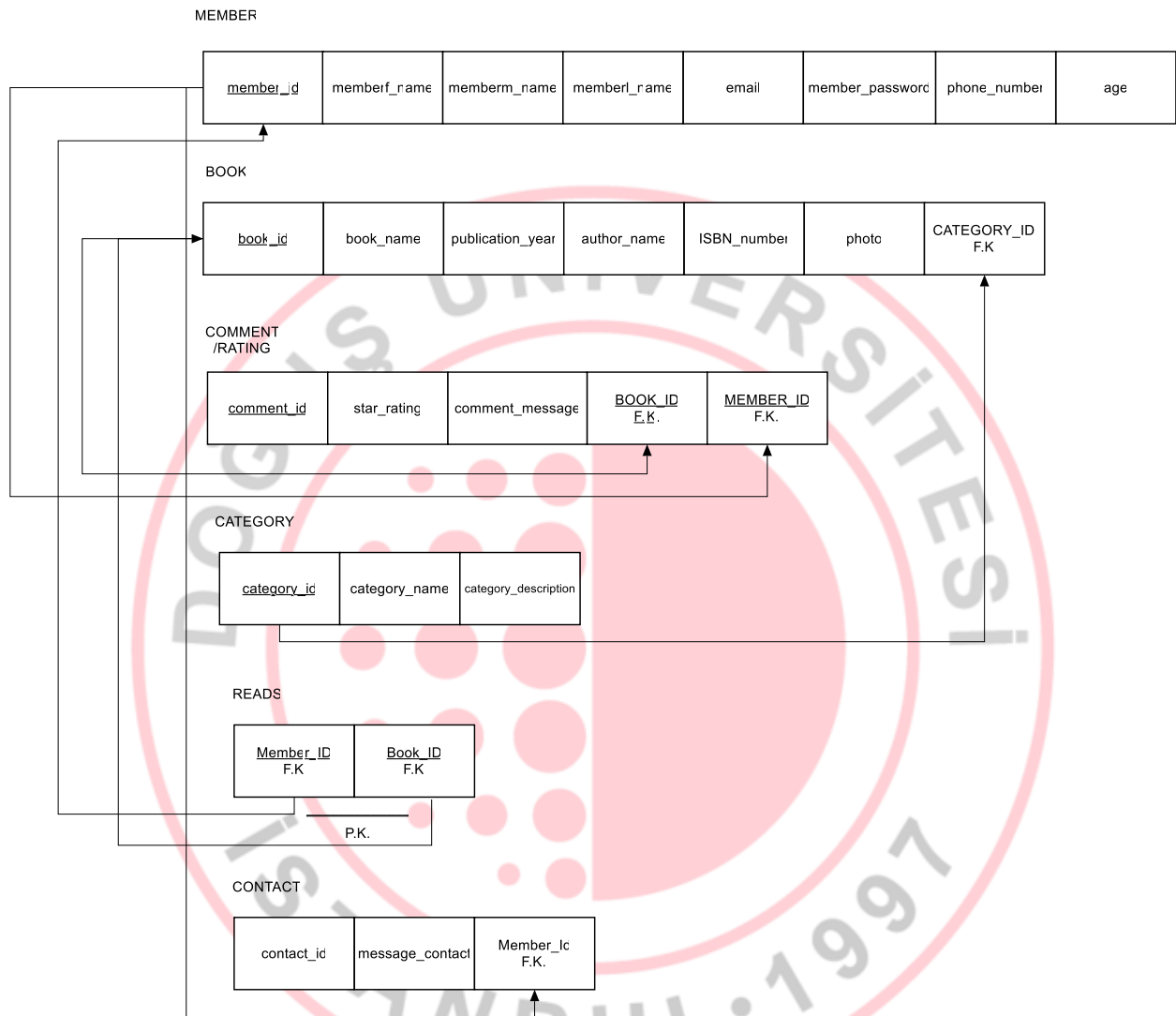


Figure 4: Relational Schema

5.3 Normalization

We design relations based on external knowledge derived from existing implementation of reports. In the bottom we have all the relations that are used in this database. For determining normal form for each given table level, we will look at the FD's and the primary keys. Basically, the rules are listed as:

1. First Normal Form

- i. There are only Single Valued Attributes.
- ii. Attribute Domain does not change.
- iii. There is a unique name for every Attribute/Column.
- iv. The order in which data is stored does not matter.

2. Second Normal Form

Uses concepts of FD's and primary key. For the Second Normal Form to be present there must be fully functional dependency only. SNF does not allow partial dependency. (Full **functional dependency**: a FD $Y \rightarrow Z$ where removal of any attribute from Y means the FD does not hold any more)

3. Third Normal Form

- Based on concept of transitive dependency. A relation schema R is in Third Normal Form(3NF) if it is in 2NF, and no non-prime attribute A in R is transitively dependent on the primary key. (**Transitive functional dependency**: a FD, $X \rightarrow Z$ that can be derived from two FDs $X \rightarrow Y$ and $Y \rightarrow Z$)

MEMBER (3NF)

member_id	memberf_name	memberm_name	memberl_name	email	member_password	phone_number	age
12270	Jane	NULL	Angel	hauddaussexofre-4159@yopmail.com	mheNICuL	05085964526	15
12278	Nezuko	NULL	Kamado	balauqueizepo-2693@yopmail.com	XciVestW	05981632469	26
12345	Scott	NULL	McCall	breuleipoudegou-7537@yopmail.com	OdleDuck	05181695342	49
12370	Judas	NULL	Markel	voissoippunomma-1205@yopmail.com	pAlINEb	05698316524	25
12670	Elizabeth	NULL	Bennet	'craujeullukoissa-6420@yopmail.com	TErnAITA	05946751382	19
13277	Killua	NULL	Zoldyck	quouttaufattewa-4991@yopmail.com	ownsEMEn	05698263345	27
13333	Ali	Mehmet	Yilmaz	ceilluyagupa-8654@yopmail.com	TWAVEyON	05644982651	18
14444	Ayşe	NULL	Çakmak	cratagronnule-8930@yopmail.com	rVeliGaN	05487799856	26
15270	Henry	Liam	Sami	deukudezifre-6297@yopmail.com	laNtERSk	05112497875	17
15870	Meryem	NULL	Angel	tebolauhoutrau-4613@yopmail.com	pRenENiT	05326659451	24
17325	Derya	Buse	Yavuz	zifranoimmuddu-2089@yopmail.com	ynaPhOnG	05564281675	51
18298	Daisy	NULL	Wizard	wennedauhixau-4798@yopmail.com	LINATice	05277489181	42

Table 1:Member table

BOOK(3NF)

book_id	book_name	publication_year	author_name	ISBN_number	Category_ID
1	All the Light We Cannot See	1995	Yukio-Mishima	156498	8726
2	Spring Snow	2002	Harper Lee	164985	4956
3	To Kill a Mockingbird	2003	Oscar Wilde	216589	1625
4	The Picture of Dorian Gray	1889	Jack London	645887	4521
5	Martin Eden	1978	Patrick Rothfuss	354489	9876
6	The Hunchback of Notre-Dame	1998	Victor Hugo	76544	5236
7	Murder on the Orient Express	1999	Agatha Christie	40665	4598
8	Wuthering Heights	2010	Emily Brontë	94562	4875
9	The Alchemist	1967	Paulo Coelho	564915	1236
10	The Stranger	2020	Albert Camus	456255	4932
11	Brave New World	1932	Aldous Huxley	984673	1625
12	Hunger Games	2008	Suzanne Collins	568153	8726
13	The Name of the Wind	2007	Patrick Rothfuss	532014	8726
14	Where the Crawdads Sing	2018	Delia Owens	116549	4956
15	Blindness	1995	José Saramago	446235	1625

Table 2:Book table

COMMENT/RATING(3NF)

comment_id	star_rating	comment_message	BOOK_ID	MEMBER_ID
------------	-------------	-----------------	---------	-----------

100	3	A brilliant first salvo in the Sea of Fertility tetralogy, setting up questions of reincarnation, cultural continuity, and faith while working as a stand-alone novel. I am curious to continue my journey through these books - they are an odd mixture of the researched nostalgia of the Ferrante series and the self-sufficient decade spanning approach of the Rabbits or the Zuckermans.	2	12270
123	1	All readers must agree that the flipping back and forth between different time periods makes this book more confusing. I believe it must be said loudly and clearly that the current fascination with multiple threads and time shifts is only acceptable when they add something to the story, when employment of such improves the story. In this book they do not improve the story.	1	12278
200	5	In the course of 5 years, I have read this book nearly 17 times. That adds up to reading it once at least every 4 months, on an average. And I still return to this book like a bark seeking a lighthouse in the dark. When I first finished it, I was so overwhelmed by how much I related to it, I read it nearly 8 times before the year ended. By now I have memorized almost every scene and I still can not shake off the feeling that I still have to learn a lot from it.	3	12345
300	5	I finished reading this last night, and afterwards I spent an entire hour staring into space so I could contemplate over the majesty of this work. It left me speechless. This book is exquisite; it is an investigation into the human soul, the power of vanity and the problems of living a life with not a single consequence for your actions. It is truly powerful stuff.	4	12370
400	4	Alright, when I first started reading it, I was very touched by the loving connection that the main character (Martin Eden) had with Ruth. It was very sweet, and at times it reminded me of my own relationship with my boyfriend, which made it endearing and all the more special to read. Jack London wrote of how Ruth would feel relieved from her studying at the university to see Martin, and how his presence rejuvenated her and gave her a better sense of being. I really really loved that. But, I was aware of the premise (Martin Eden: a guy struggling to become an accomplished and famous writer), so I quickly brushed away the idea of it being a love story, and I was totally cool with that! To be perfectly honest, though, the EARLY relationship between them was the only part of the book I was really fond of, which happened to be only like the first 100 pages.	5	12670
456	2	An interesting read – I enjoyed this, though not as much as Les Miserables. The characters were complex and interesting and the ending very powerful, but it did not quite hold my attention as much as Les Miserables.	6	13277
500	2	I have tried it three times. I know people are obsessed with it. I hate everyone in the book - and I just cannot care about a book where I actually hate the characters. And, sure, I get the interpretation that as terrible as Heathcliff and Cathy are, it is their love that redeems them, and is not that romantic. No.	8	13333
600	5	This was my first Agatha Christie novel and it definitely did not disappoint! I was not expecting that ending, which is obviously a good thing in a murder mystery story, but I am proud of myself for picking up on some other clues. I am so impressed by how she was able to weave this intricate of a story in only 200 pages and I cannot wait to pick up another one of her novels in the future!	7	14444
700	3	I preface my review by saying I am amazed how wildly passionate people are in their feelings toward this novel ~~ regardless of whether they love or hate The Alchemist. I am one of those people who love it. But, I understand why people are so passionate in their dislike of this work. Paul Coelho looks to inspire passion in people with The Alchemist. And he succeeds in doing so ~~ especially in those who are so passionate in their dislike of this book.	9	15270
789	1	If every few words of praise I have seen for "The Stranger" over my lifetime materialized into small chunks of rock in space, there would be enough sh!t to conjure up the Oort Cloud. Much like this distant collection of debris bordering the outer solar system, I cannot really comprehend the acclaim heaped on this story, but luckily, like the Cloud, it is usually out of sight, out of mind, and has absolutely no discernable current influence on my life. And just like the Oort can occasionally spit a chunk of sh!t at the earth and devastate all life upon it, so too can I hear/read some lip service paid to "The Stranger" resulting in my transition to Freak-Out Mode, resulting in me slapping someone in the face, usually someone I have to deal with again at some point in time (if only in court).	10	15870

Table 3: Comment/Rating table

CATEGORY(3NF)

Category ID	Category Name	Category Description
-------------	---------------	----------------------

8726	Fiction	...
4956	Mystery/Thriller	...
1625	Science Fiction	...
4521	Historical Fiction	...
9876	Romance	...
5236	Biography	...
4598	Self Help	...
4875	Horror	...
1236	Memoir	...
4932	Children's Books	...

Table 4:Category table

READS(1NF)

Member ID	Book Id
12270	2
12278	1
12345	3
12370	4
12670	5
13277	6
13333	8
14444	7
15270	9
15870	10

Table 5:Reads table

CONTACT(3NF)

contact_id	message_contact	Member_Id
1000	Hello	12270

Table 6:Contact table

5.4 Database Diagram

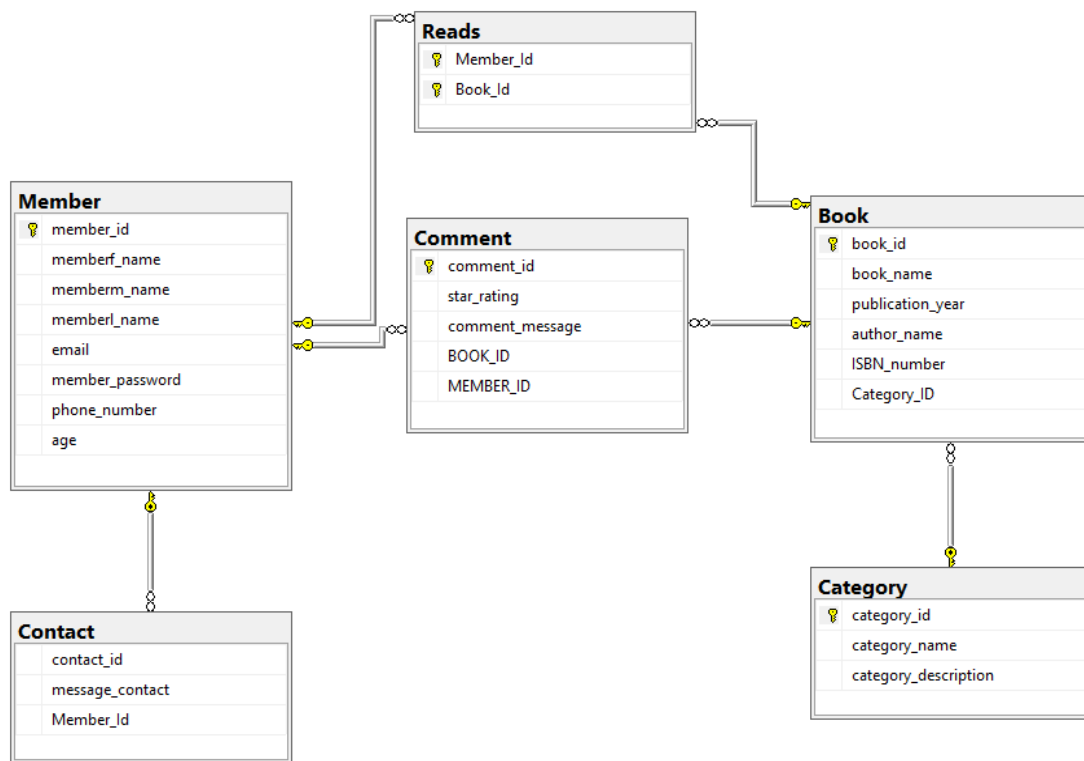


Figure 5: Database diagram

6. Application Implementation

6.1 Application User Interfaces

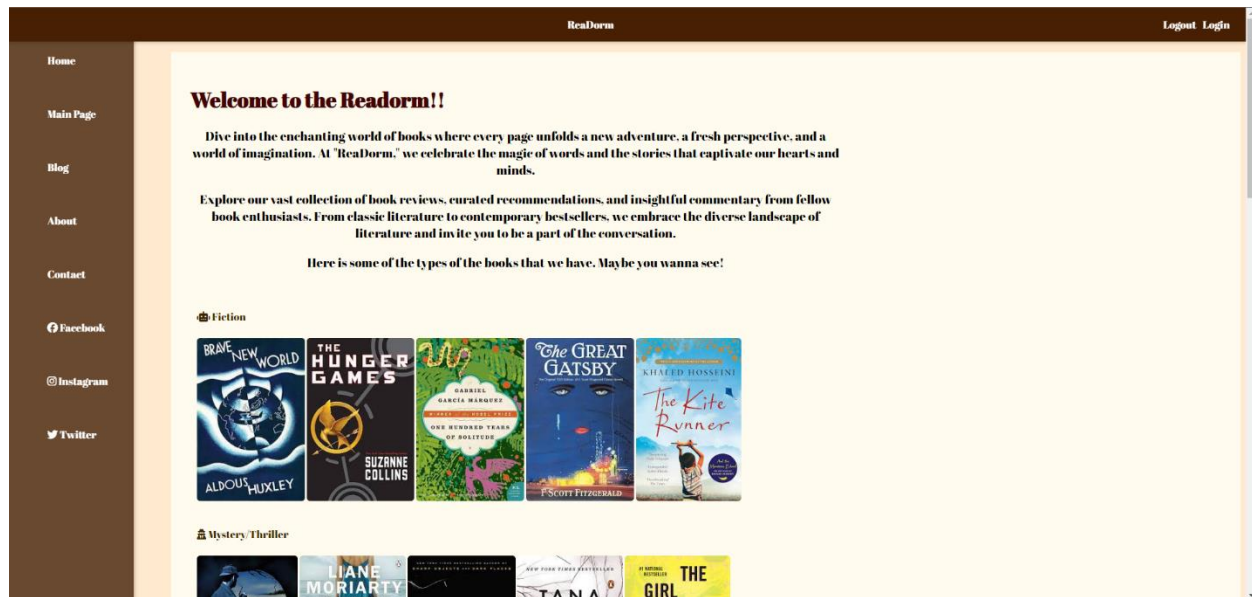


Figure 6: Home page

This is our 'Home' page. Here you can see the welcome message and categories of books.

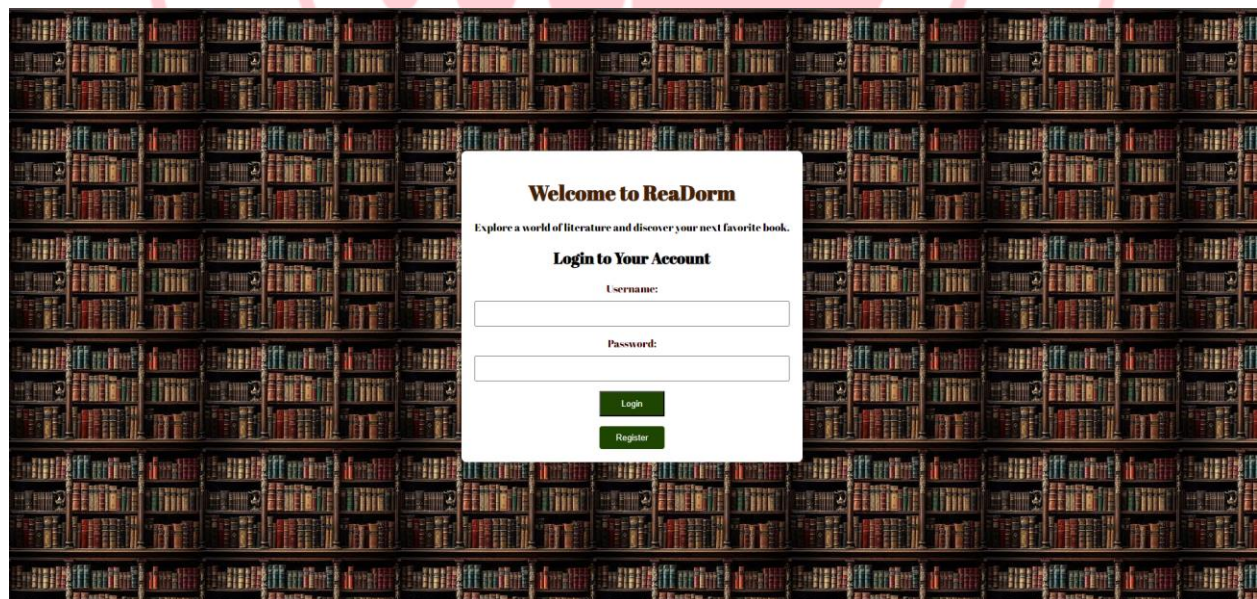
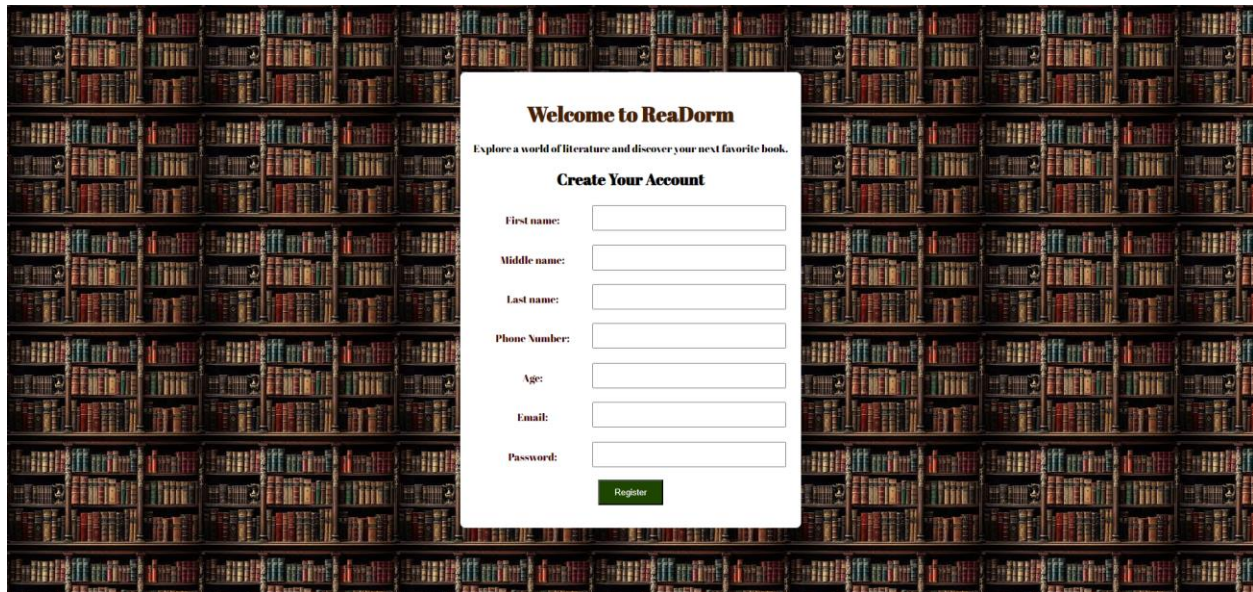


Figure 7: Login page

This is our 'Login' page. If you're a member, you can access your account.



Welcome to ReaDorm

Explore a world of literature and discover your next favorite book.

Create Your Account

First name:

Middle name:

Last name:

Phone Number:

Age:

Email:

Password:

[Register](#)

Figure 8: Register page

This is our 'Register' page. If you're not a member, you can create your account here.

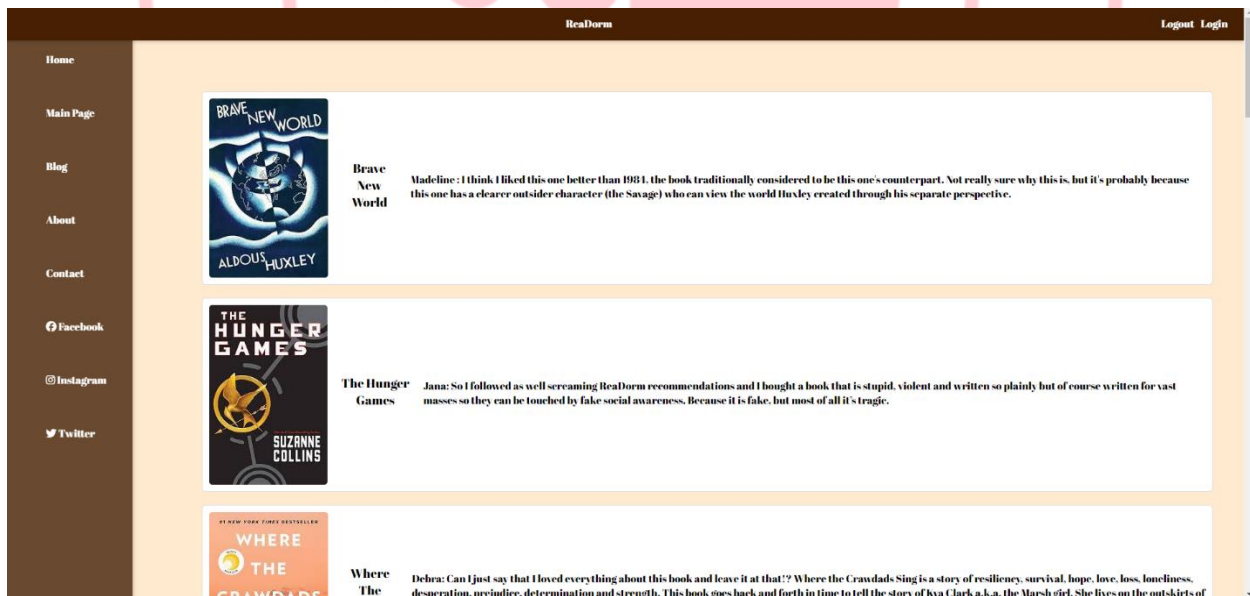


Figure 9: Main page

In this page users can access via clicking the book's picture and they will be redirected the book's special page.

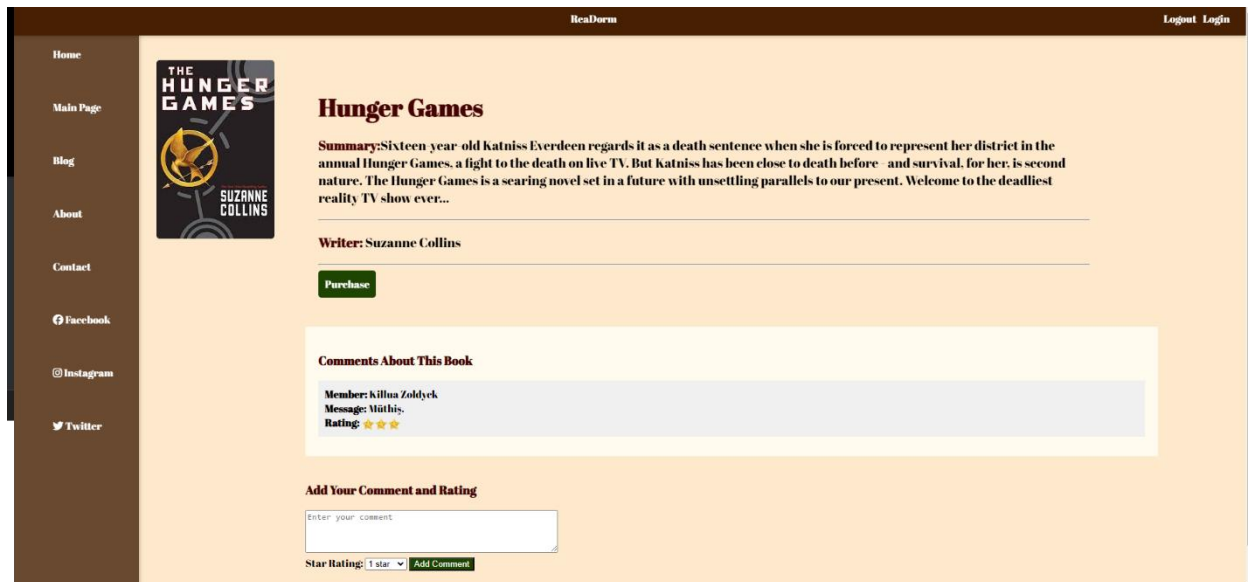


Figure 10: Book page

This is a special page example for this book.

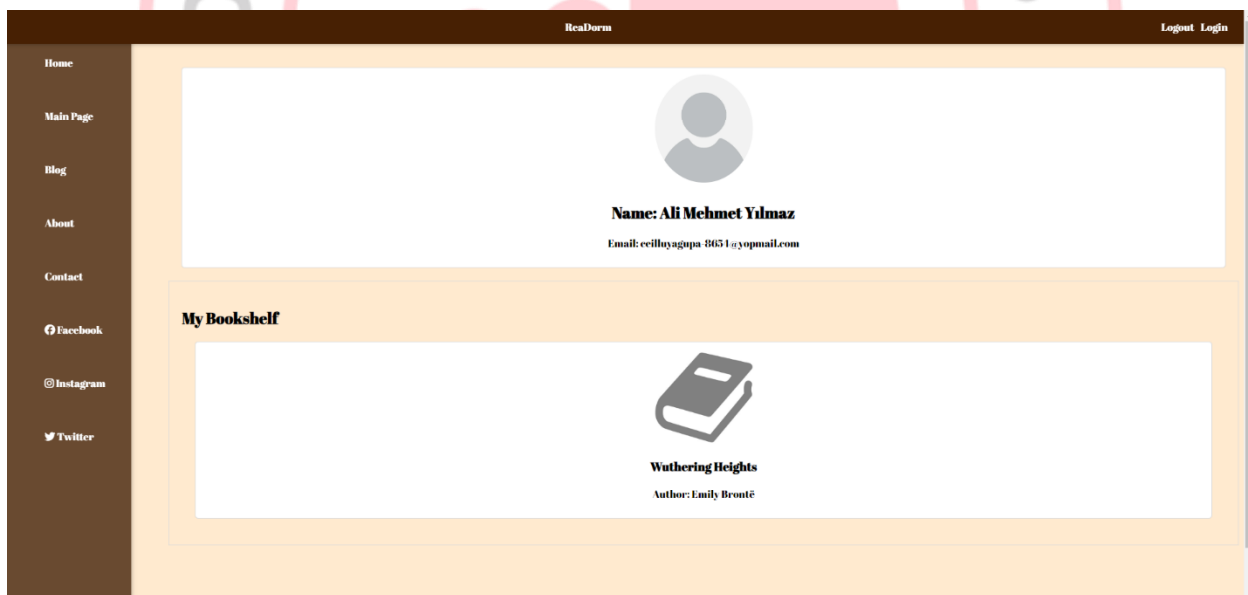


Figure 11: Blog page

Every user has their own personal bookshelf for sharing their comments about the books they have read.

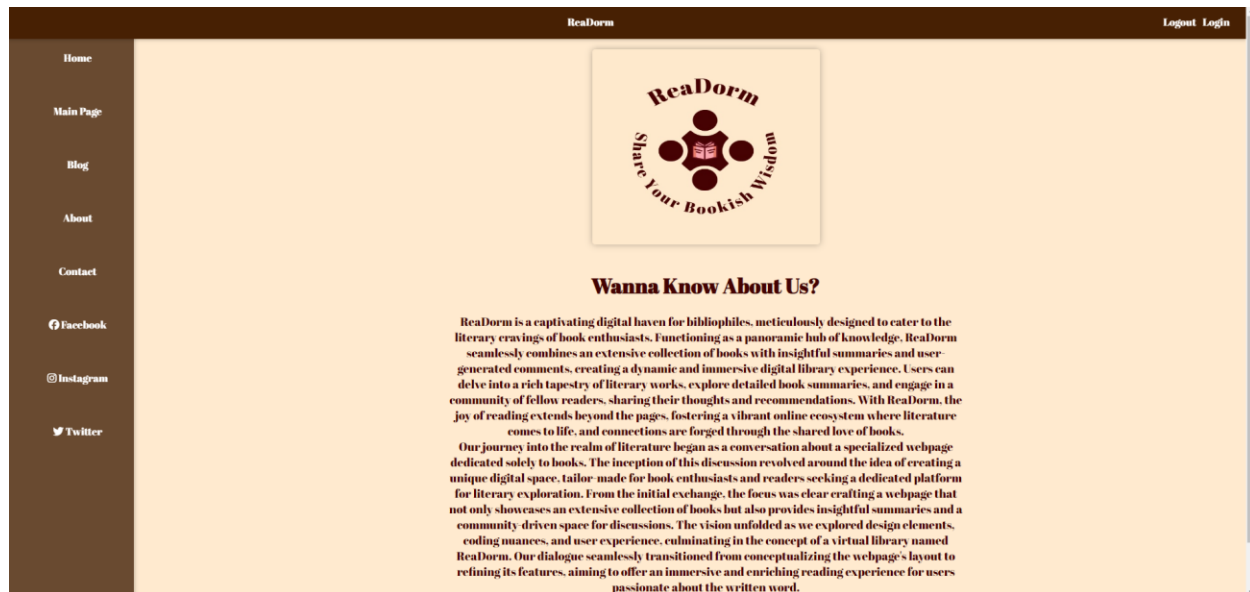


Figure 12: About page

A brief introduction about web project and the main idea behind it. In this page you can also see our logo.

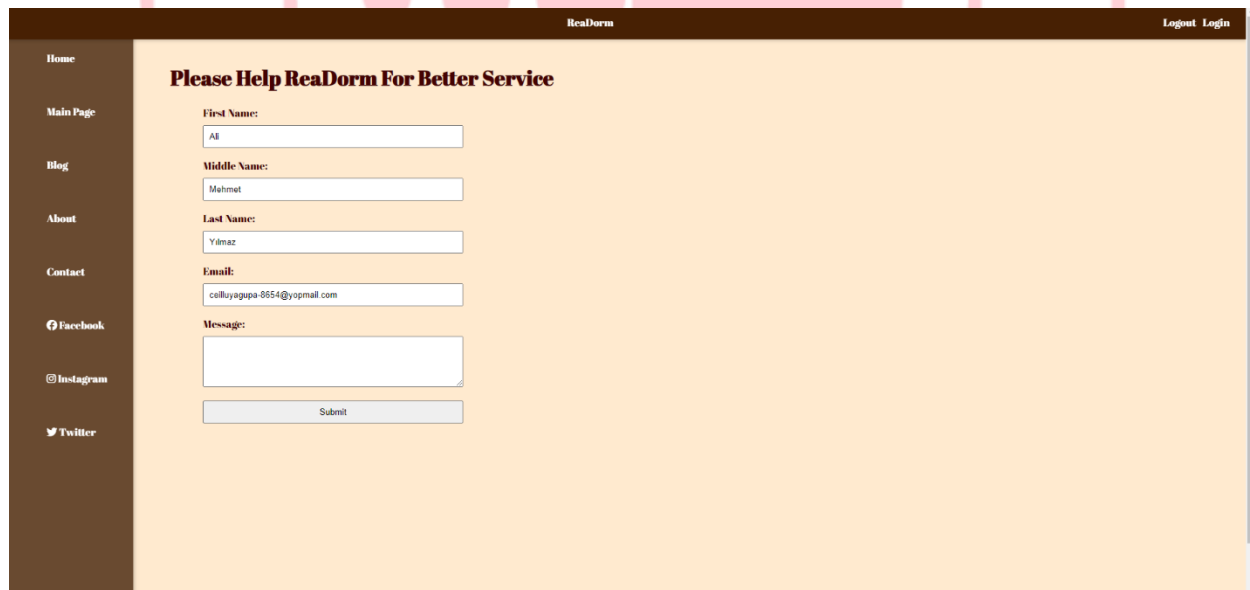


Figure 13: Contact page

Our users can leave messages to us.

6.2 Connection Code Example Between the Application and Database

Email and password validation using Table informations from Database Connection

```
public partial class proje : System.Web.UI.Page
{
    string connectionString = "Data Source=LAPTOP-MGMCJM5J;Initial
Catalog=BuseninGozleri;Integrated Security=True;";

    protected void Page_Load(object sender, EventArgs e) {
        if (Request.QueryString["action"] == "logout")
        {
            // Perform logout logic
            Session.Abandon(); // Clear the session
            Response.Redirect("proje.aspx"); // Redirect to login page
        }
    }

    protected void button_Click(object sender, EventArgs e)
    {
        // Members username (which is their email) and their apsswords are taken
        string username = txtUserName.Text;
        string member_password = txtPassword.Text;
        // Here is the validation function
        if (ValidateUser(username, member_password))
        {
            // Get the member_id of the logged-in user for other pages' use.
            int memberId = GetMemberId(username);

            // Store the member_id in a session variable
            Session["LoggedInUserId"] = memberId;

            // Redirect to proje1.aspx (Main Page)
```

```
        Response.Redirect("proje1.aspx");
    }
    else
    {
        // Do nothing!!
    }
}

private bool ValidateUser(string username, string member_password)
{
    // SQL Server Connection and the proper Query
    string query = "SELECT COUNT(*) FROM Member WHERE email = @Username
AND member_password = @Password";
    // SQL Connection Started
    using (SqlConnection connection = new SqlConnection(connectionString))
    {
        using (SqlCommand command = new SqlCommand(query, connection))
        {
            // Adding two parameters
            command.Parameters.AddWithValue("@Username", username);
            command.Parameters.AddWithValue("@Password", member_password);
            // Connection Opened
            connection.Open();
            // ExecuteScalar returns the first column of the first row
            int count = (int)command.ExecuteScalar();
            // Connection Closed
            connection.Close();
            // User authentication check is performed
            return count > 0;
        }
    }
}
```



```

    }
}

private int GetMemberId(string username)
{
    string query = "SELECT member_id FROM Member WHERE email = @Username";
    using (SqlConnection connection = new SqlConnection(connectionString))
    {
        using (SqlCommand command = new SqlCommand(query, connection))
        {
            command.Parameters.AddWithValue("@Username", username);
            connection.Open();
            // ExecuteScalar returns the first column of the first row
            object result = command.ExecuteScalar();
            connection.Close();
            // Convert the result to an integer (member_id)
            return result != null ? Convert.ToInt32(result) : -1;
        }
    }
}

protected void btnRegister_Click(object sender, EventArgs e)
{
    // Temporarily remove any conditions and directly redirect
    Response.Redirect("newUser.aspx");
}

```

7.Database Implementation Step

```

Create table Member(
member_id int primary key not null,
memberf_name varchar(20) not null,

```

```
memberm_name varchar(20),
memberl_name varchar(20) not null,
email varchar(50) not null,
member_password varchar(20) not null,
phone_number varchar(20) not null,
age int not null,
)
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (12270, 'Jane', NULL, 'Angel', 'hauddaussexofre-4159@yopmail.com', '05085964526',
'mheNICuL', 15, 100);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (12278, 'Nezuko', NULL, 'Kamado', 'balauqueizepo-2693@yopmail.com',
'05981632469', 'XciVestW', 26, 123);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (12345, 'Scott', NULL, 'McCall', 'breuleipoudegou-7537@yopmail.com',
'05181695342', 'OdleDuck', 49, 400);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (12370, 'Judas', NULL, 'Markel', 'voissoippunomma-1205@yopmail.com',
'05698316524', 'pIALiNEb', 25, 200);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (12670, 'Elizabeth', NULL, 'Bennet', 'craujeullukoissa-6420@yopmail.com',
'05946751382', 'TErnAlTA', 19, 300);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (13277, 'Killua', NULL, 'Zoldyck', 'quouttaufattewa-4991@yopmail.com',
'05698263345', 'ownsEMEn', 27, 500);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (13333, 'Ali', 'Mehmet', 'Yilmaz', 'ceilluyagupa-8654@yopmail.com',
'05644982651', 'TWaveyON', 18, NULL);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (14444, 'Ayşe', NULL, 'Çakmak', 'cratagronnule-8930@yopmail.com',
'05487799856', 'rVeliGaN', 26, 456);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (15270, 'Henry', 'Liam', 'Sami', 'deukudezifre-6297@yopmail.com',
'05112497875', 'IaNtERSk', 17, 700);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (15870, 'Meryem', NULL, 'Angel', 'tebolauhoutrau-4613@yopmail.com',
'05326659451', 'pRenENiT', 24, NULL);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (17325, 'Derya', 'Buse', 'Yavuz', 'zifranoimmuddu-2089@yopmail.com',
'05564281675','ynaPhOnG', 51, 600);
```

```
INSERT INTO Member (member_id, memberf_name, memberm_name, memberl_name, email,
member_password, phone_number, age, COMMENT_ID)
VALUES (18298, 'Daisy', NULL, 'Wizard', 'wennedauhixau-4798@yopmail.com',
'05277489181','LINATice', 42, 789);
```



```
Create table Book(
book_id int primary key not null,
book_name varchar(50) not null,
publication_year int,
author_name varchar(50) not null,
```

ISBN_number int not null,

Category_ID int not null,

foreign key(Category_ID) references Category(category_id)
)

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (1, 'All the Light We Cannot See', 1995, 'Anthony Doerr', '156498', 8726);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (2, 'Spring Snow', 2002, 'Yukio-Mishima', '164985', 4956);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (3, 'To Kill a Mockingbird', 2003, 'Harper Lee', '216589', 1625);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (4, 'The Picture of Dorian Gray', 1889, 'Oscar Wilde', '645887', 4521);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (5, 'Martin Eden', 1978, 'Jack London', '354489', 9876);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (6, 'The Hunchback of Notre-Dame', 1998, 'Victor Hugo', '76544', 5236);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (7, 'Murder on the Orient Express', 1999, 'Agatha Christie', '40665', 4598);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (8, 'Wuthering Heights', 2010, 'Emily Brontë', '94562', 4875);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (9, 'The Alchemist', 1967, 'Paulo Coelho', '564915', 1236);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (10, 'The Stranger', 2020, 'Albert Camus', '456255', 4932);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (11, 'Brave New World', 1932, 'Aldous Huxley', '984673', 1625);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (12, 'Hunger Games', 2008, 'Suzanne Collins', '568153', 8726);

INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number, Category_ID)
VALUES (13, 'The Name of the Wind', 2007, 'Patrick Rothfuss', '532014', 8726);

```
INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number,
Category_ID)
VALUES (14, 'Where the Crawdads Sing', 2018, 'Delia Owens', '116549', 4956);
```

```
INSERT INTO Book (book_id, book_name, publication_year, author_name, ISBN_number,
Category_ID)
VALUES (15, 'Blindness', 1995, 'José Saramago', '446235', 1625);
```



```
Create table Category(
category_id int primary key not null,
category_name varchar(50) not null,
category_description varchar(50),
)
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (8726, 'Fiction', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (4956, 'Mystery/Thriller', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (1625, 'Science Fiction', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (4521, 'Historical Fiction', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (9876, 'Romance', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (5236, 'Biography', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (4598, 'Self Help', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (4875, 'Horror', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (1236, 'Memoir', '...')
```

```
INSERT INTO Category (category_id, category_name, category_description)
VALUES (4932, 'Children's Books', '...')
```

```
Create table Comment(
comment_id int primary key not null,
star_rating varchar(50),
comment_message text,
BOOK_ID int not null,
```



```
MEMBER_ID int not null,  
foreign key(BOOK_ID) references Book(book_id),  
foreign key(MEMBER_ID) references Member(member_id)  
)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (100, 3, 'A brilliant first salvo in the Sea of Fertility tetralogy, setting up  
questions of reincarnation, cultural continuity, and faith while working as a stand-alone  
novel. I'm curious to continue my journey through these books - they are an odd mixture  
of the researched nostalgia of the Ferrante series and the self-sufficient decade  
spanning approach of the Rabbits or the Zuckermans.', 2, 12270)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (123, 1, 'All readers must agree that the flipping back and forth between  
different time periods makes this book more confusing. I believe it must be said loudly  
and clearly that the current fascination with multiple threads and time shifts is only  
acceptable when they add something to the story, when employment of such improves the  
story. In this book they do not improve the story.', 1, 12278)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (200, 5, 'In the course of 5 years, I've read this book nearly 17 times. That  
adds up to reading it once at least every 4 months, on an average. And I still return to  
this book like a bark seeking a lighthouse in the dark. When I first finished it, I was  
so overwhelmed by how much I related to it, I read it nearly 8 times before the year  
ended. By now I've memorized almost every scene and I still can't shake off the feeling  
that I still have to learn a lot from it.', 3, 12345)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (300, 5, 'I finished reading this last night, and afterwards I spent an entire  
hour staring into space so I could contemplate over the majesty of this work. It left me  
speechless. This book is exquisite; it is an investigation into the human soul, the power  
of vanity and the problems of living a life with not a single consequence for your  
actions. It's truly powerful stuff.', 4, 12370)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (400, 4, 'Alright, when I first started reading it, I was very touched by the  
loving connection that the main character (Martin Eden) had with Ruth. It was very sweet,  
and at times it reminded me of my own relationship with my boyfriend, which made it  
endearing and all the more special to read. Jack London wrote of how Ruth would feel  
relieved from her studying at the university to see Martin, and how his presence  
rejuvenated her and gave her a better sense of being. I really really loved that. But, I  
was aware of the premise (Martin Eden: a guy struggling to become an accomplished and  
famous writer), so I quickly brushed away the idea of it being a love story, and I was  
totally cool with that! To be perfectly honest, though, the EARLY relationship between  
them was the only part of the book I was really fond of, which happened to be only like  
the first 100 pages.', 5, 12670)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (456, 2, 'An interesting read were complex and interesting and didnt quite hold  
my attention as much as Les Miserables.', 6, 13277)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)  
VALUES (500, 2, 'I have tried it three times. I know people are obsessed with it. I hate  
everyone in the book - and I just can not care about a book where I actually hate the  
characters. And, sure, I get the interpretation that as terrible as Heathcliff and Cathy  
are, it is their love that redeems them, and is not that romantic.No.', 8, 13333)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)
VALUES (600, 5, 'This was my first Agatha Christie novel and it definitely did not
disappoint! I was not expecting that ending, which is obviously a good thing in a murder
mystery story, but I am proud of myself for picking up on some other clues. I am so
impressed by how she was able to weave this intricate of a story in only 200 pages and I
can not wait to pick up another one of her novels in the future!', 7, 14444)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)
VALUES (700, 3, 'I preface my review by saying I am amazed how wildly passionate people
are in their feelings toward this novel ~ regardless of whether they love or hate The
Alchemist. I'm one of those people who love it. But, I understand why people are so
passionate in their dislike of this work. Paul Coelho looks to inspire passion in people
with The Alchemist. And he succeeds in doing so ~ especially in those who are so
passionate in their dislike of this book.', 9, 15270)
```

```
INSERT INTO Comment (comment_id, star_rating, comment_message, BOOK_ID, MEMBER_ID)
VALUES (789, 1, 'If every few words of praise I have seen for "The Stranger" over my
lifetime materialized into small chunks of rock in space, there'd be enough sh!t to
conjure up the Oort Cloud. Much like this distant collection of debris bordering the
outer solar system, I can't really comprehend the acclaim heaped on this story, but
luckily, like the Cloud, it's usually out of sight, out of mind, and has absolutely no
discernable current influence on my life. And just like the Oort can occasionally spit a
chunk of sh!t at the earth and devastate all life upon it, so too can I hear/read some
lip service paid to "The Stranger" resulting in my transition to Freak-Out Mode,
resulting in me slapping someone in the face, usually someone I have to deal with again
at some point in time (if only in court).', 10, 15870)
```

```
create table Contact(
contact_id int not null,
message_contact text not null,
Member_Id int not null,
foreign key(Member_Id) references Member(member_id)
```


)

```
INSERT INTO Contact (contact_id, message_contact, Member_Id) VALUES (1000, 'Hello', 12270)
```

```
Create table Reads(  
Member_Id int not null,  
Book_Id int not null,  
primary key (Member_Id, Book_Id),  
foreign key (Member_Id) references Member(member_id),  
foreign key (Book_Id) references Book(book_id)  
)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (12270, 2)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (12278, 1)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (12345, 3)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (12370, 4)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (12670, 5)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (13277, 6)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (13333, 8)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (14444, 7)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (15270, 9)
```

```
INSERT INTO Reads (Member_Id, Book_Id)  
VALUES (15870, 10)
```

8. References

- <https://stackoverflow.com/questions/2965837/insert-statement-conflicted-with-the-foreign-key-constraint-sql-server>

- <https://www.appsloveworld.com/postgresql/100/181/cannot-use-column-reference-in-default-expression-trying-to-set-up-default-value>
- <https://stackoverflow.com/questions/17653817/what-are-the-server-side-scripting-languages-supported-in-asp-and-in-asp-net>
- https://www.w3schools.com/asp/webpages_intro.asp
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