Project and Professionalism

(6CS007)

Milestone 3

Online Dating Application “Sync”

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Cohort/Batch : 4

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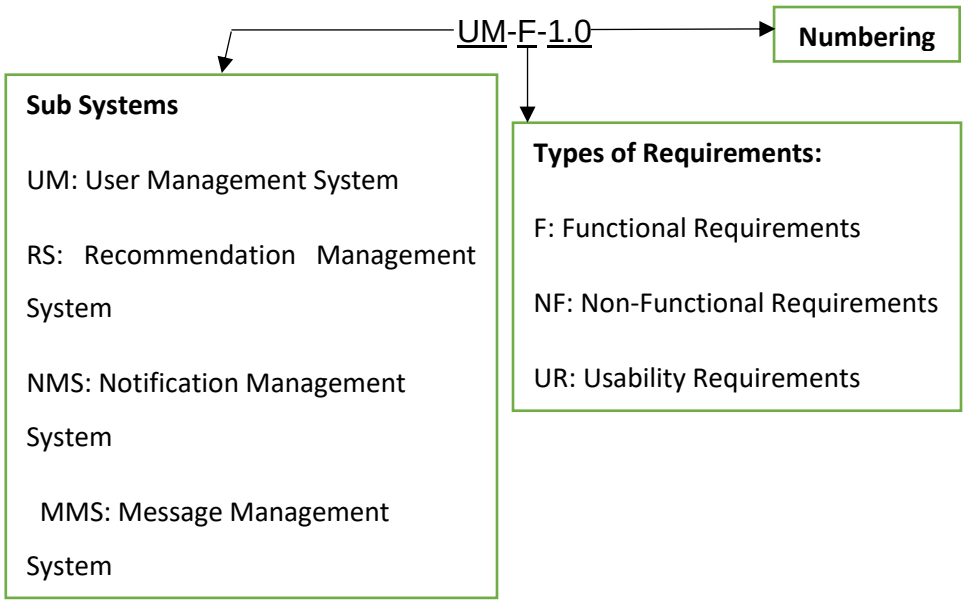
1. SRS

1.1. **Legend**



1.1.1. **User Management System (UMS)**

Requirement- Code	Requirement Description	Use Case
UMS-F-1	System should allow the user to register.	Register User
UMS-UR-1.1	System should allow registered user to login using login portal.	
UMS-NF-1.1	Password should contain alphanumeric symbols.	
UMS-NF-1.2	Users can make their password visible.	
UMS-NF-1.3	The user should first authorize their email or phone number before getting registered into the system.	
UMS-F-2	The system should allow the user to Login into their accounts.	User Login

UMS-NF-2.1	The system should authenticate users before getting logged in to their accounts.	
UMS-NF-2.1	The system should allow the users to save their login status and get automatically logged in, in a device even if they close the application.	
UMS-UR-2.1	The system should allow the users to change their passwords if they forget their password	Forget Password

1.1.2. Recommendation Management System (RMS)

Requirement – Code	Requirement Description	Use Case
RS-F-1	The system should suggest users to different users based on their ratings, interests, etc.	Recommend User
RS-NF-1.1	The system should recommend users based on the rating the user has. i.e., if user 1 has a rating of 5 and user 2 has a rating of 6 then, user 1 and user 2 are a match else user 2 does not match user 2	
RS-NF-1.2	The users get matched only if both the users like each other.	

1.1.3. Notification Management System (NMS)

Requirement – Code	Requirement Description	Use Case
NMS-F-1	The system should notify users if a match is found.	User Notification
NMS-UR-1.1	The users can enable notification alert as well as disable it.	
NMS-NF-1.1	The system should notify users if a user sends him/ her a message.	

1.1.4. **Messaging System (MS)**

Requirement – Code	Requirement Description	Use Case
MS-F-1	The system should allow the users to send messages to other users	User Message
MS-NF-1.1	The word limit of the message should not exceed than 500.	
MS-NF-1.2	The users can only send a message to other users only if the users are a match to each other.	

2. Diagrams

2.1. Activity Diagrams

2.1.1. User Management System

a. Registration

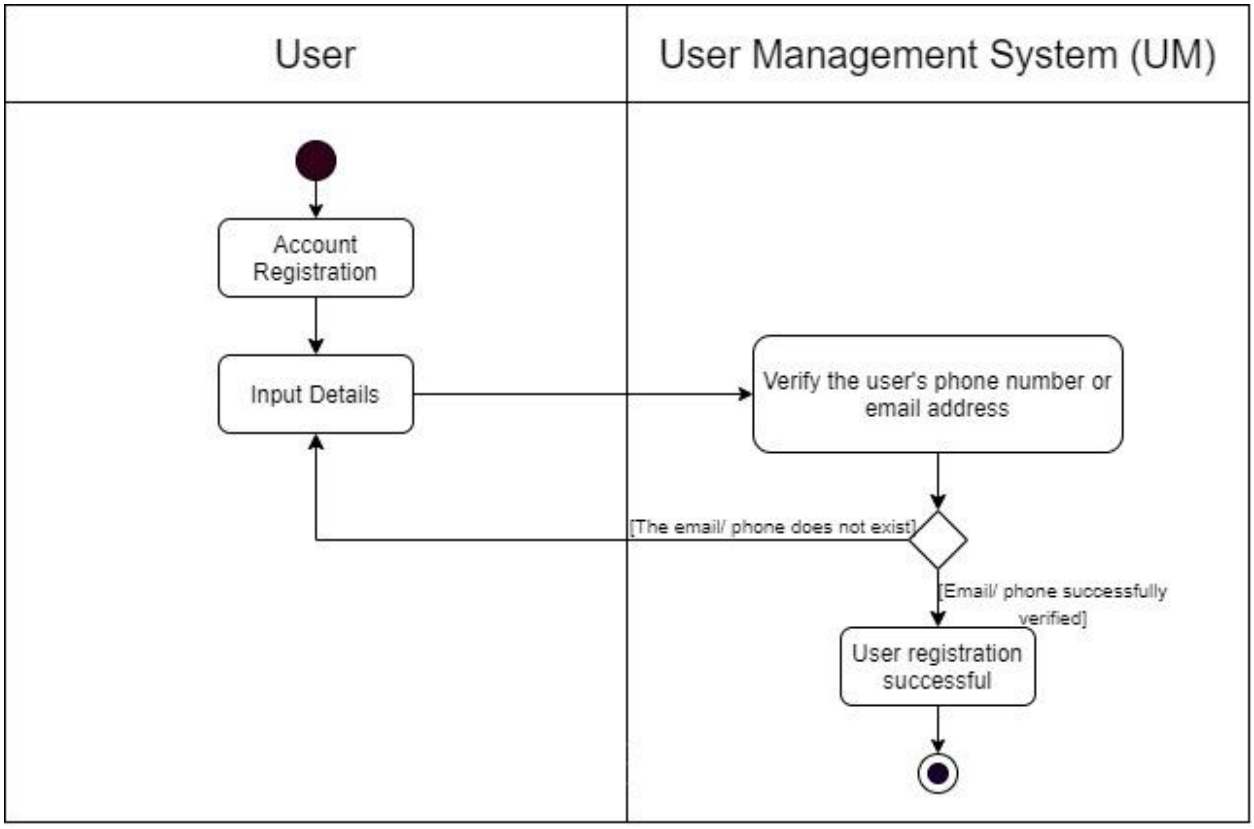


Figure 1 Activity diagram for registration

b. Login

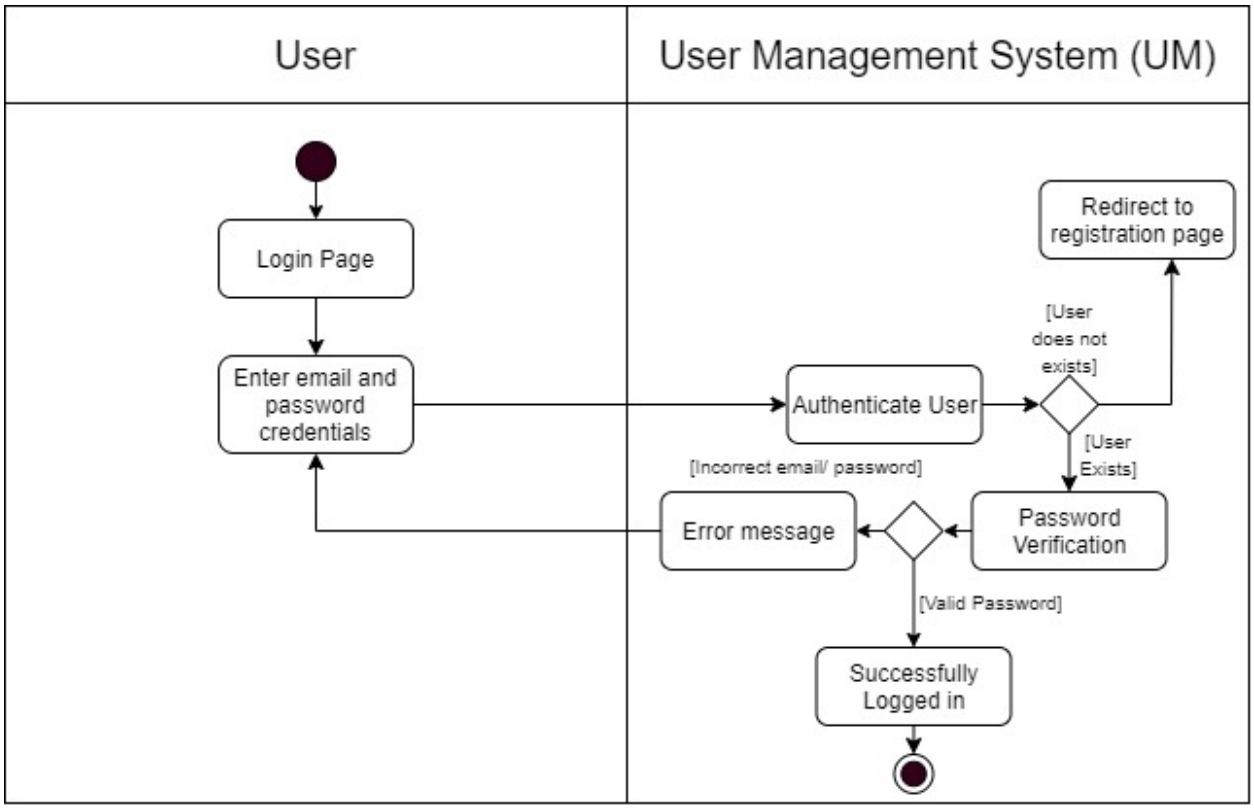


Figure 2 Activity diagram for login

2.1.2. Message Management System

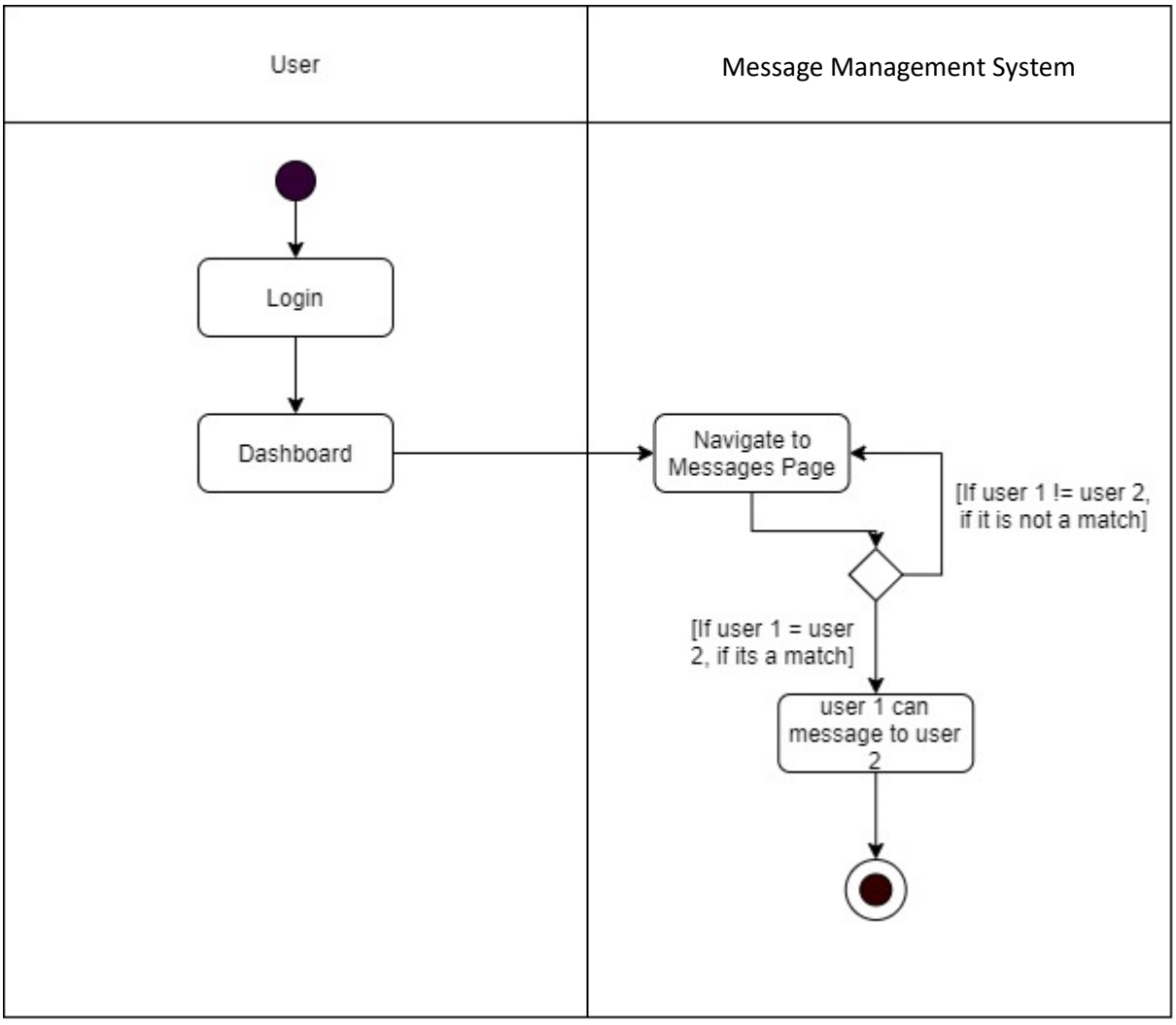


Figure 3 Activity diagram for message management system

2.1.3. Notification Management System

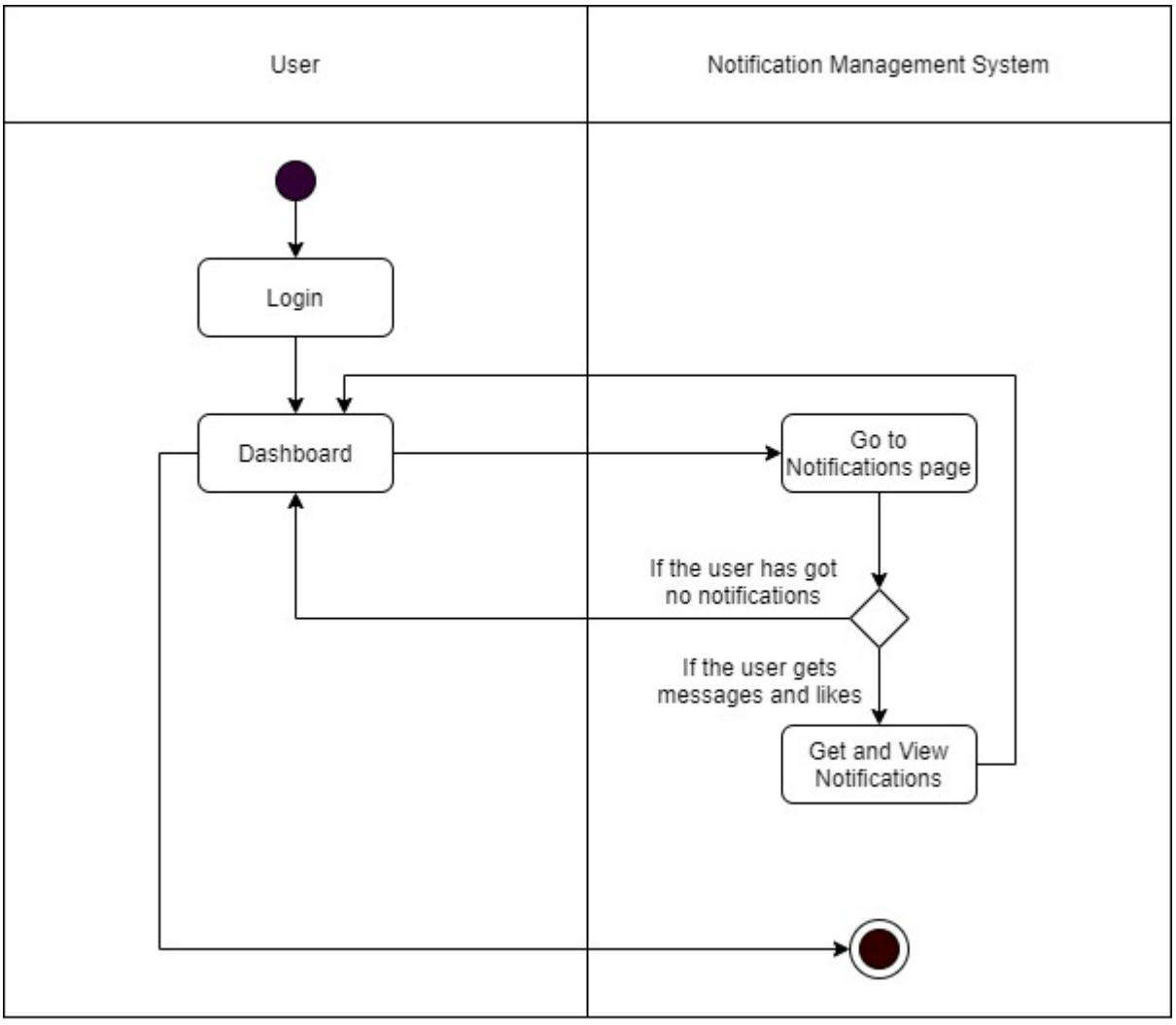


Figure 4 Activity diagram for Notification management system

2.1.4. Recommendation Management System

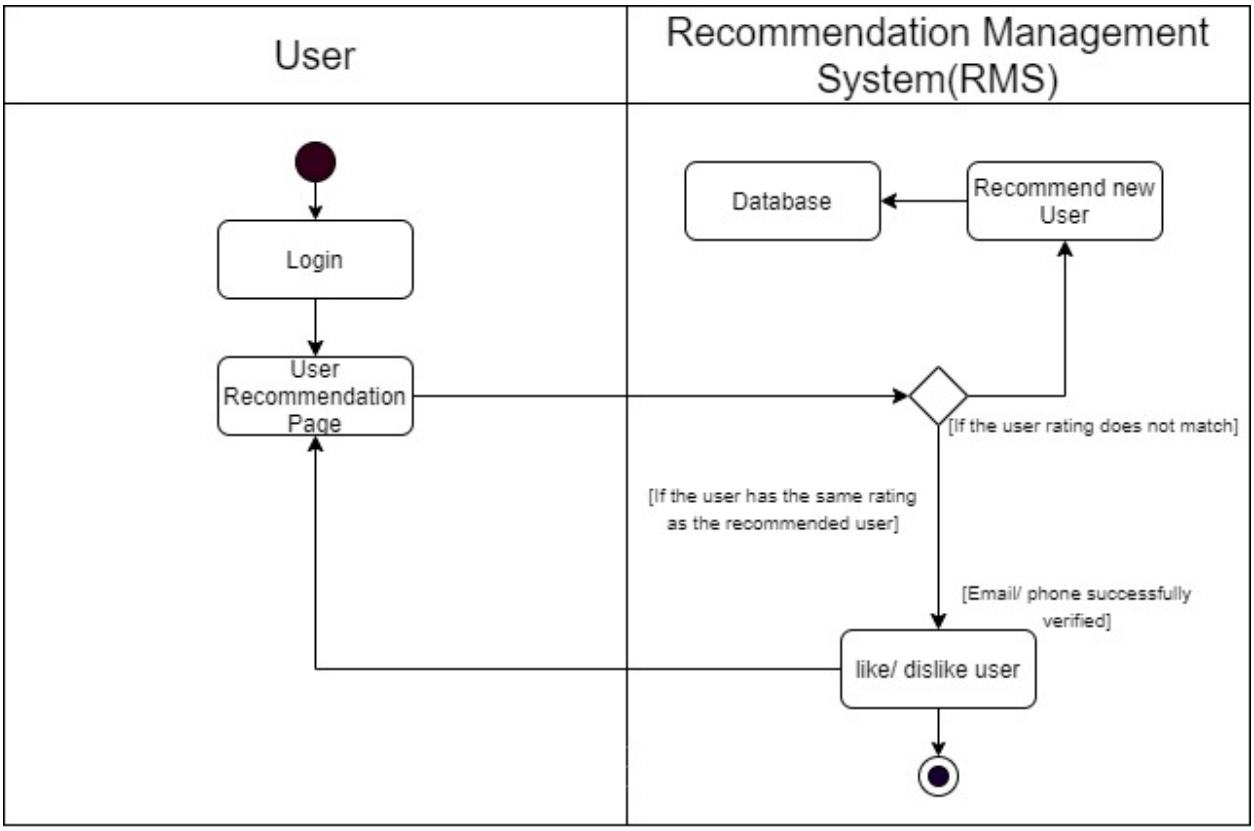


Figure 5 Activity diagram for recommendation management system

2.2. Use Case Diagrams

2.2.1. User Management System

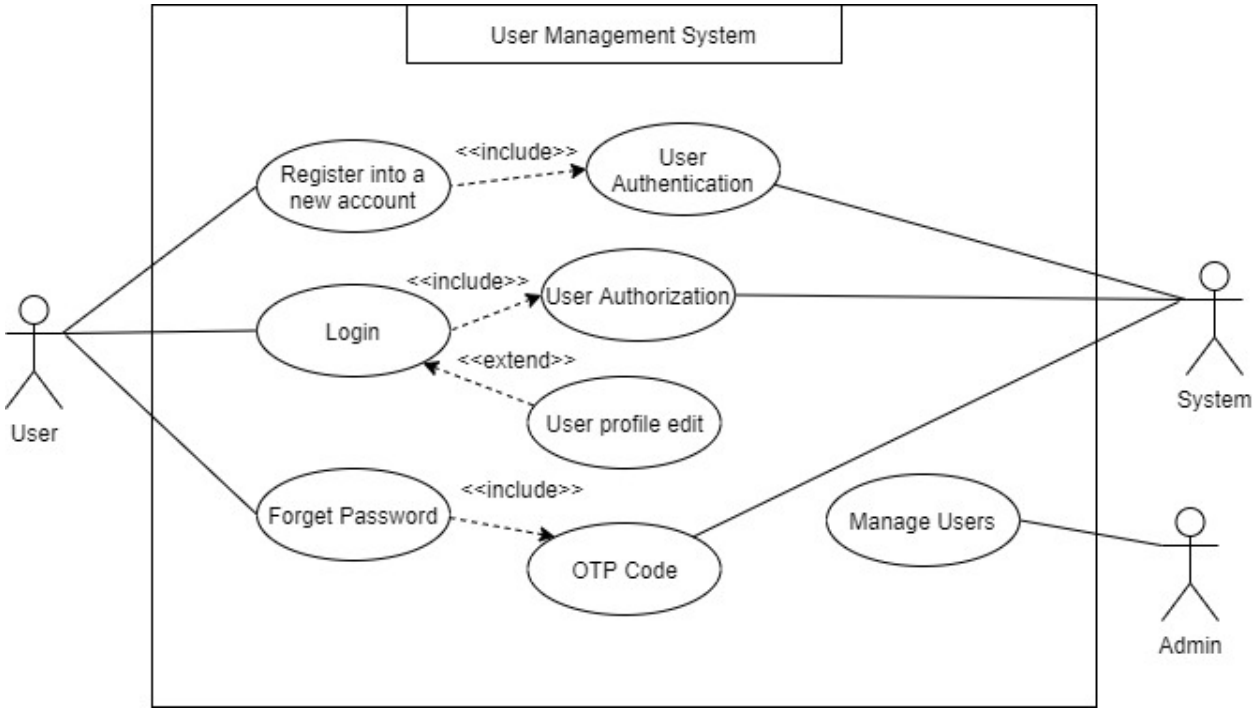


Figure 6 Use case diagram for user management system

2.2.2. Message Management System

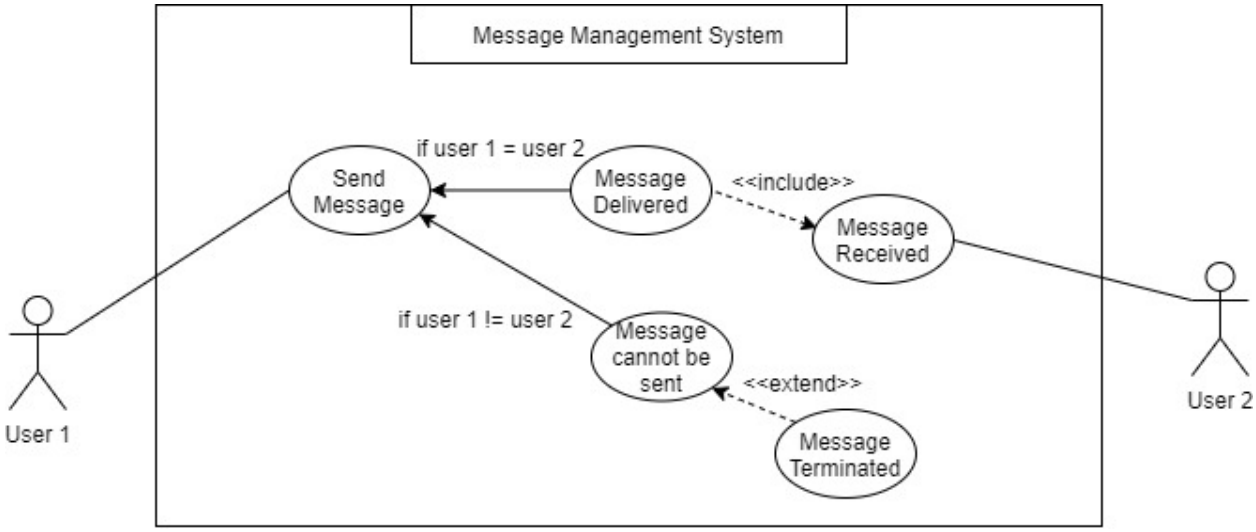


Figure 7 Use case diagram for message management system

2.2.3. Notification Management System

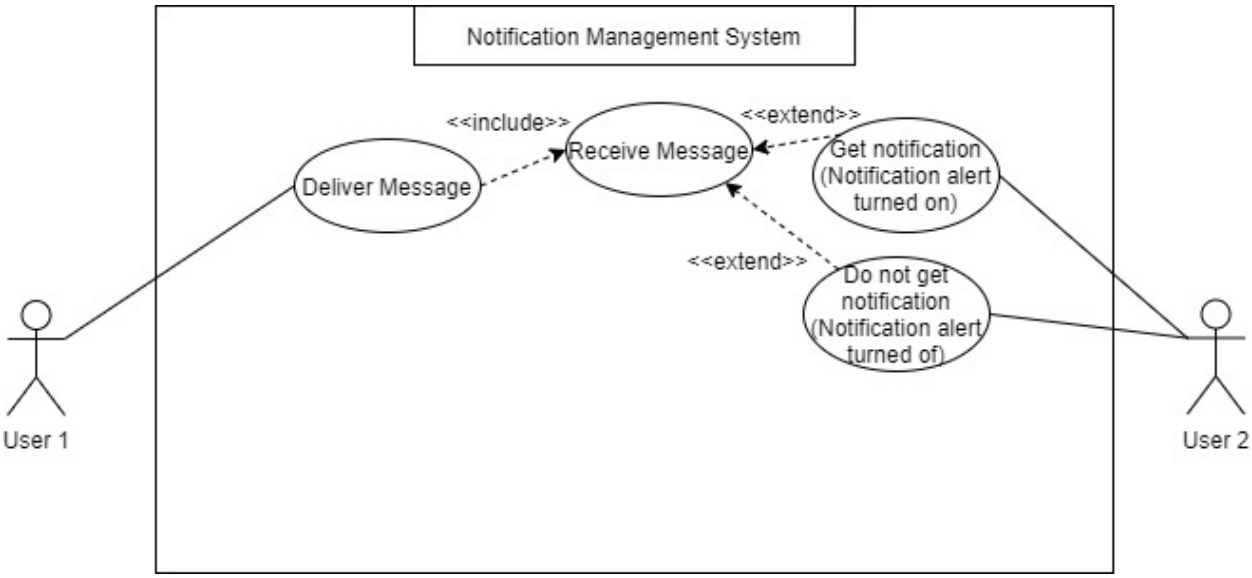


Figure 8 Use case diagram for notification management system

2.2.4. Recommendation Management System

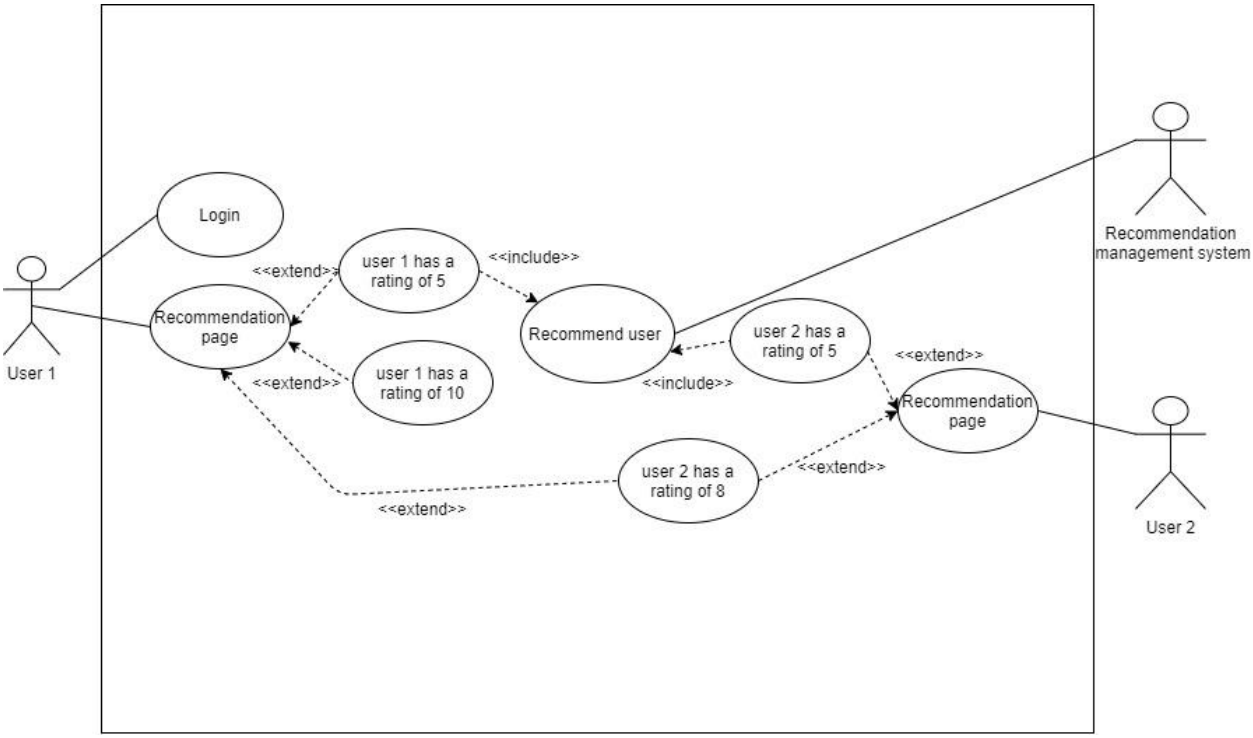


Figure 9 Use case diagram for recommendation management system

2.3. Entity Relation Diagram

2.3.1. User Management System

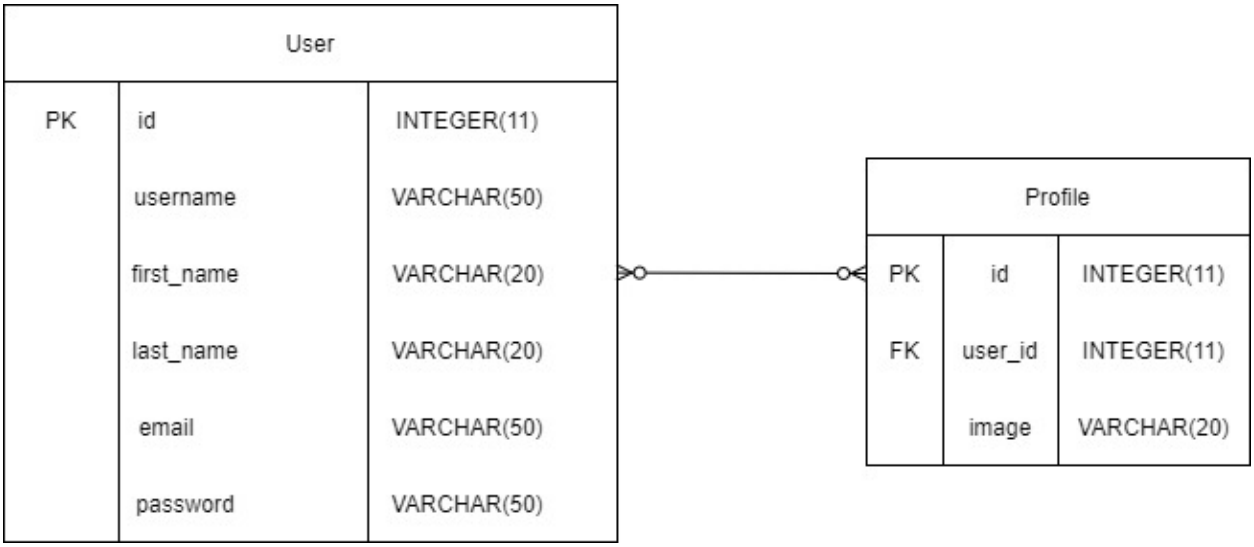


Figure 10 ER diagram for user management system

2.3.2. Message Management System

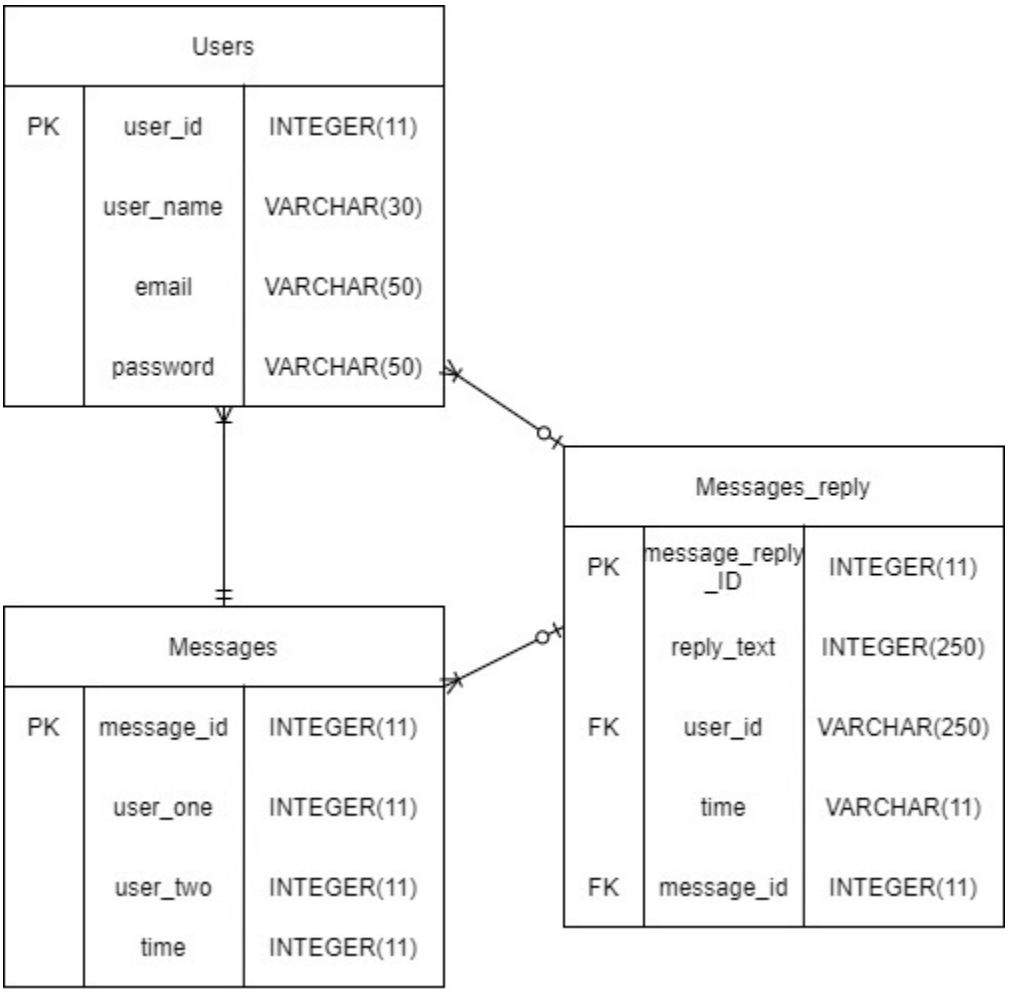


Figure 11 ER diagram for message management system

2.3.3. Notification Management System

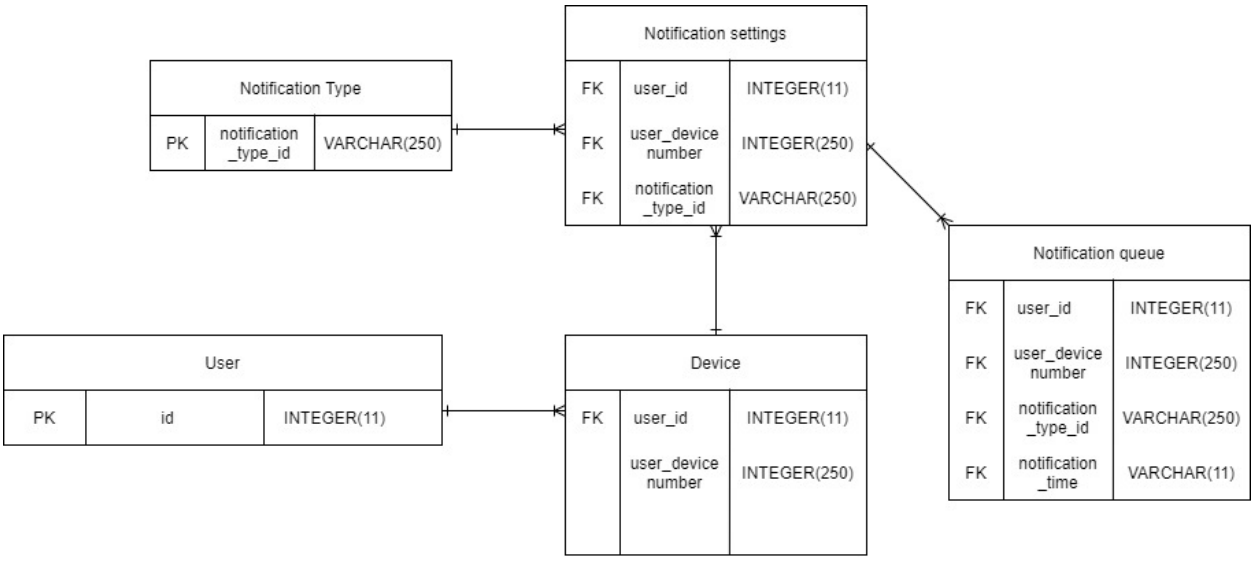


Figure 12 ER diagram for notification management system

2.3.4. Recommendation Management System

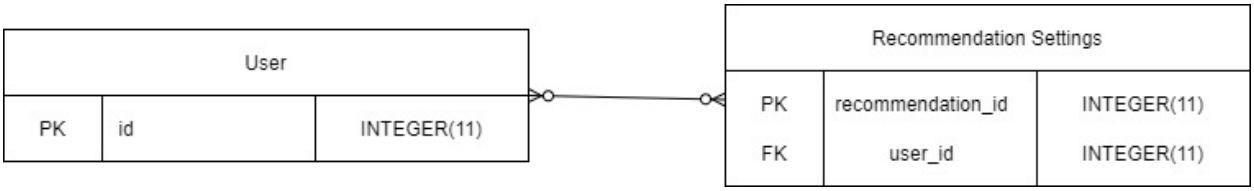


Figure 13 ER diagram for recommendation management system

2.4. Class Diagram

2.4.1. User Management System

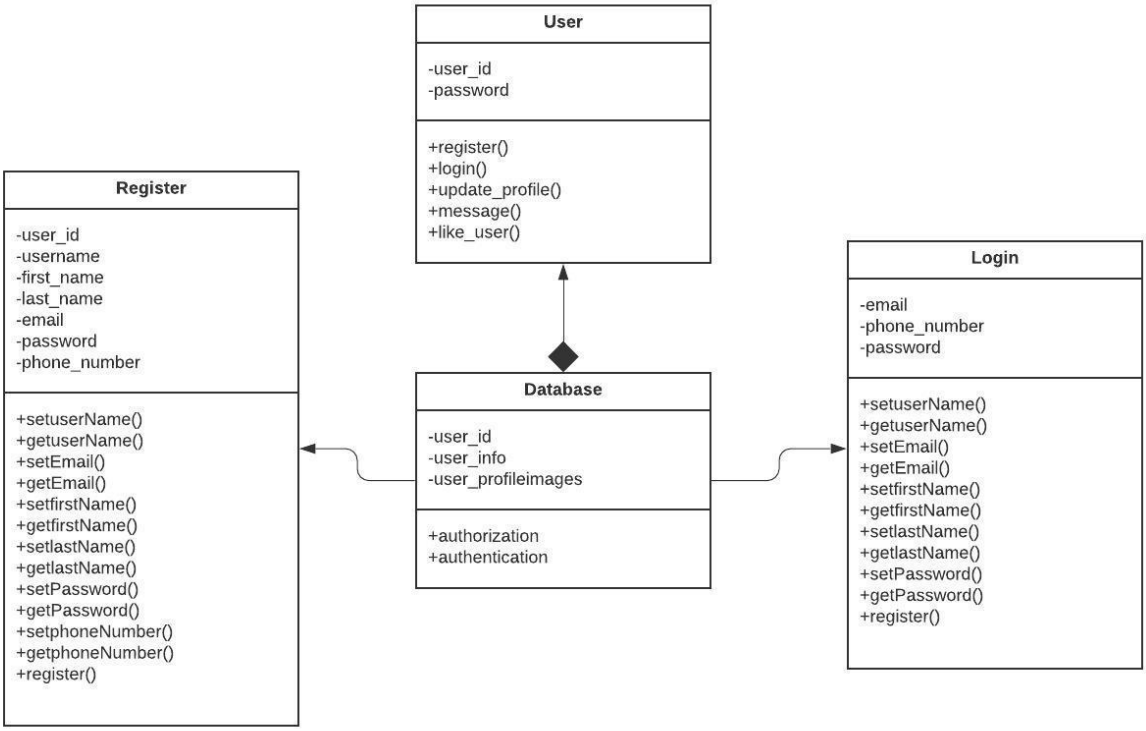


Figure 14 Class diagram for user management system

2.4.2. Message Management System

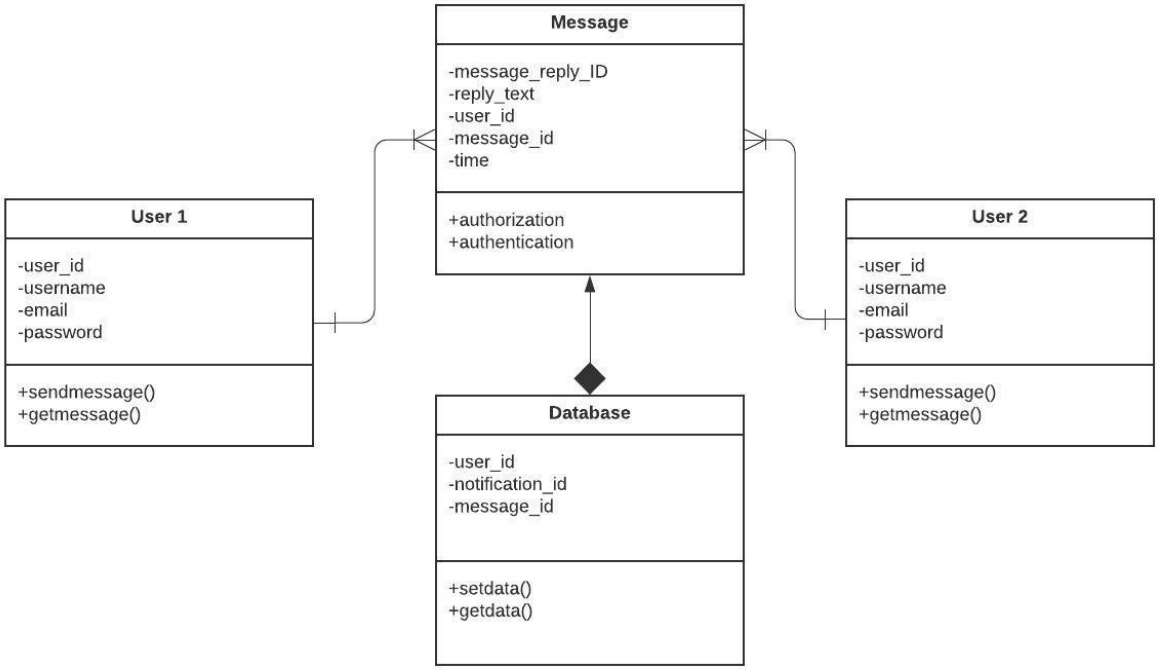


Figure 15 Class diagram for message management system

2.4.3. Notification Management System

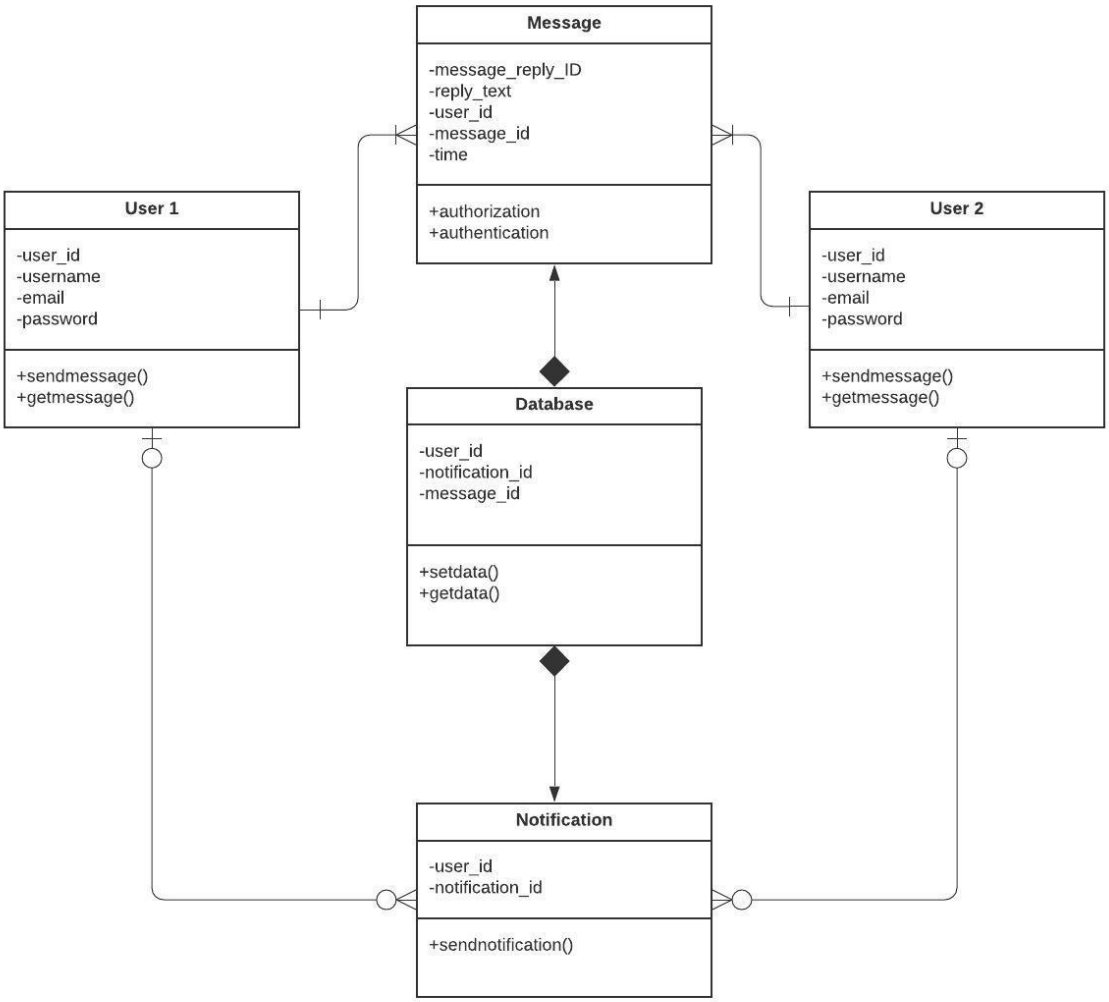


Figure 16 Class diagram for notification management system

2.4.4. Recommendation Management System

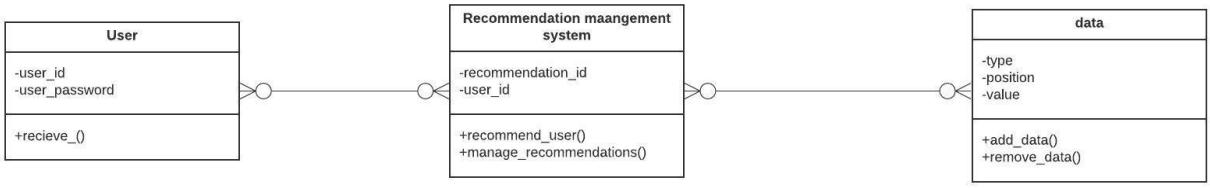


Figure 17 Class diagram for recommendation management system

2.5. Sequence Diagram

2.5.1. User Management System

a. Registration

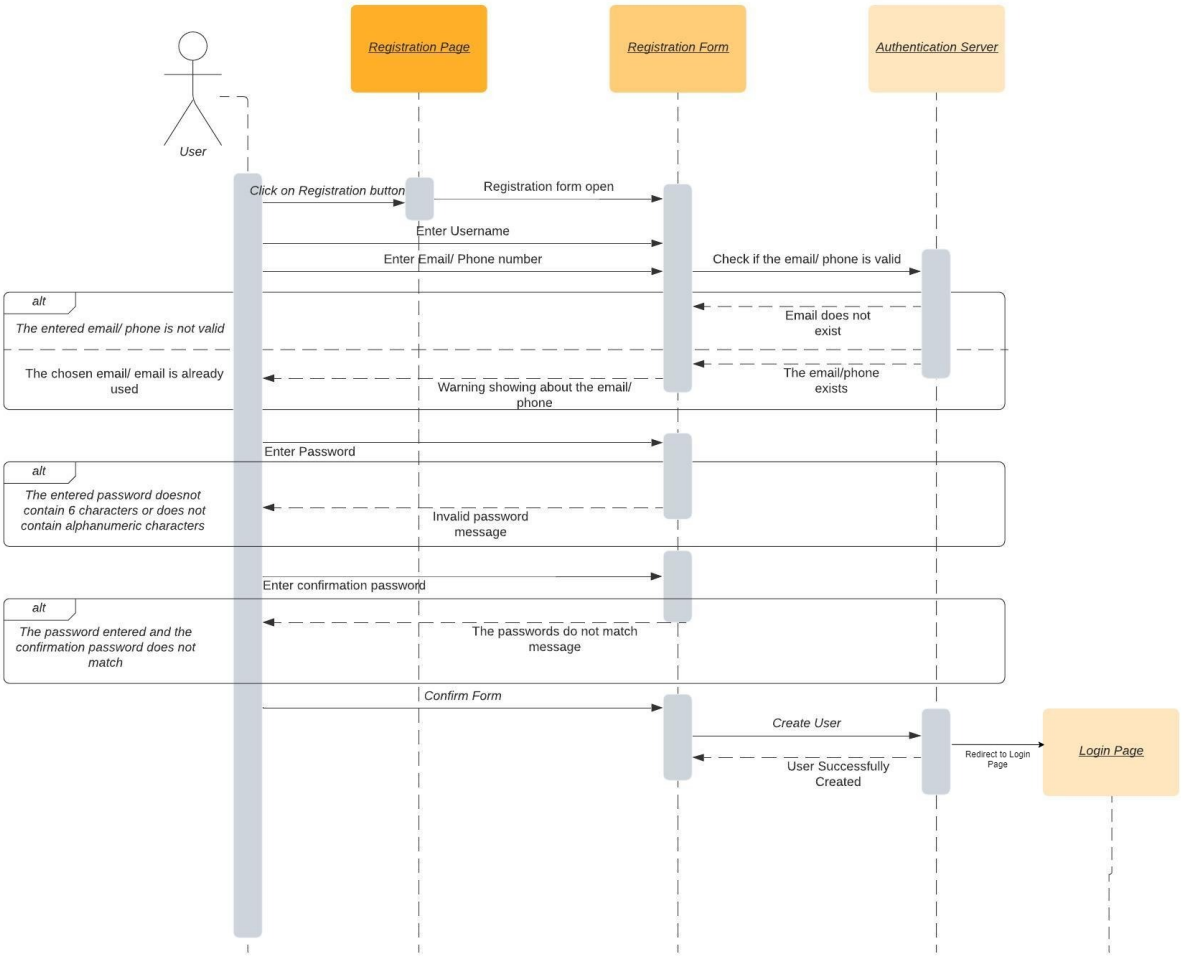


Figure 18 sequence diagram for registration

b. Login

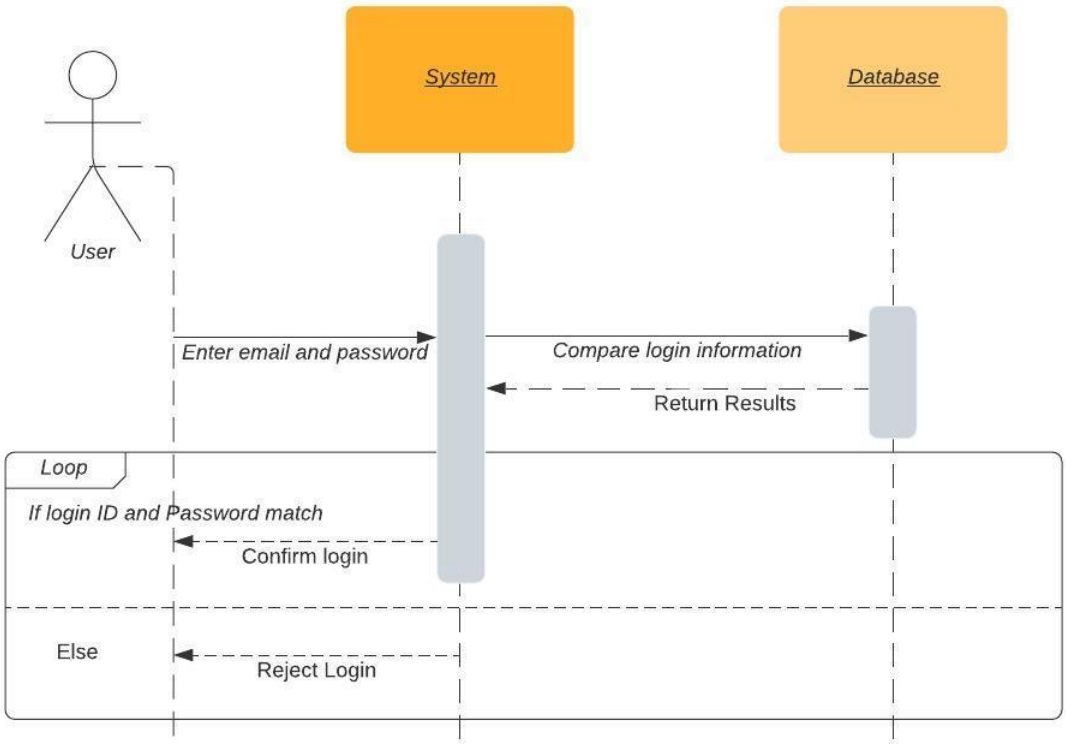


Figure 19 sequence diagram for login

2.5.2. Message Management System

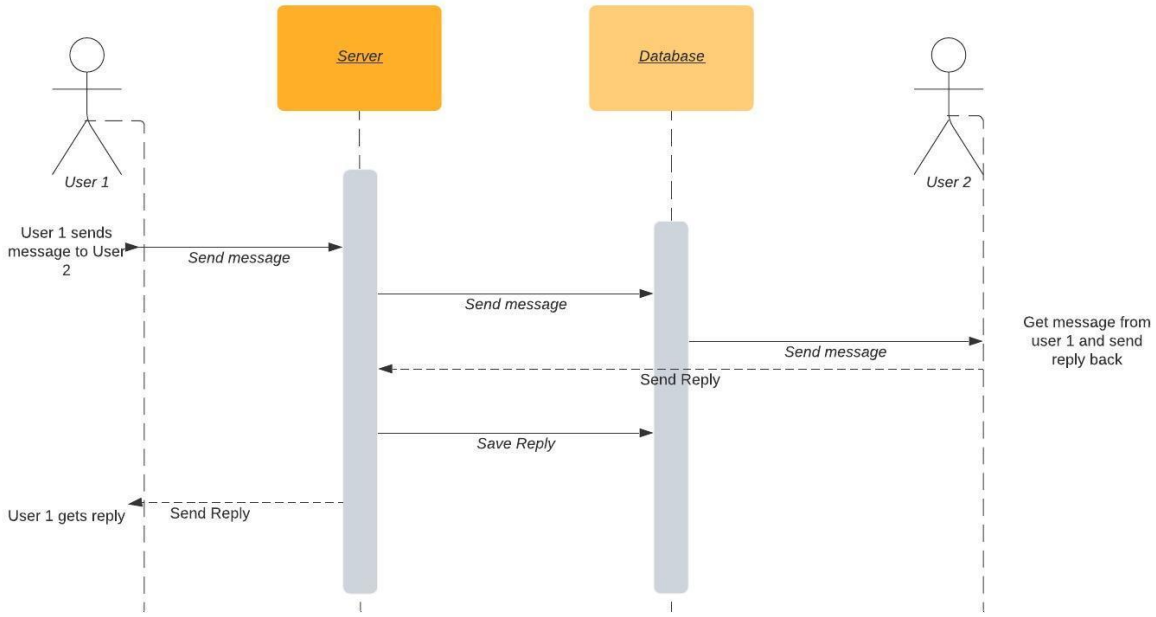


Figure 20 sequence diagram for message management system

2.5.3. Notification Management System

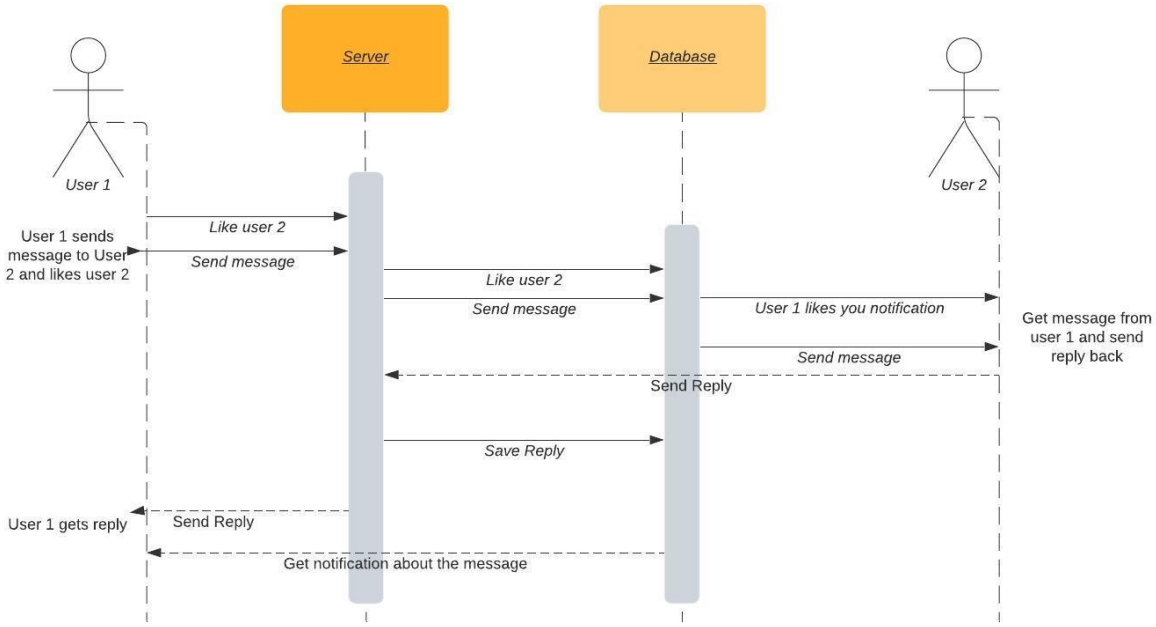


Figure 21 sequence diagram for notification management system

2.5.4. Recommendation Management System

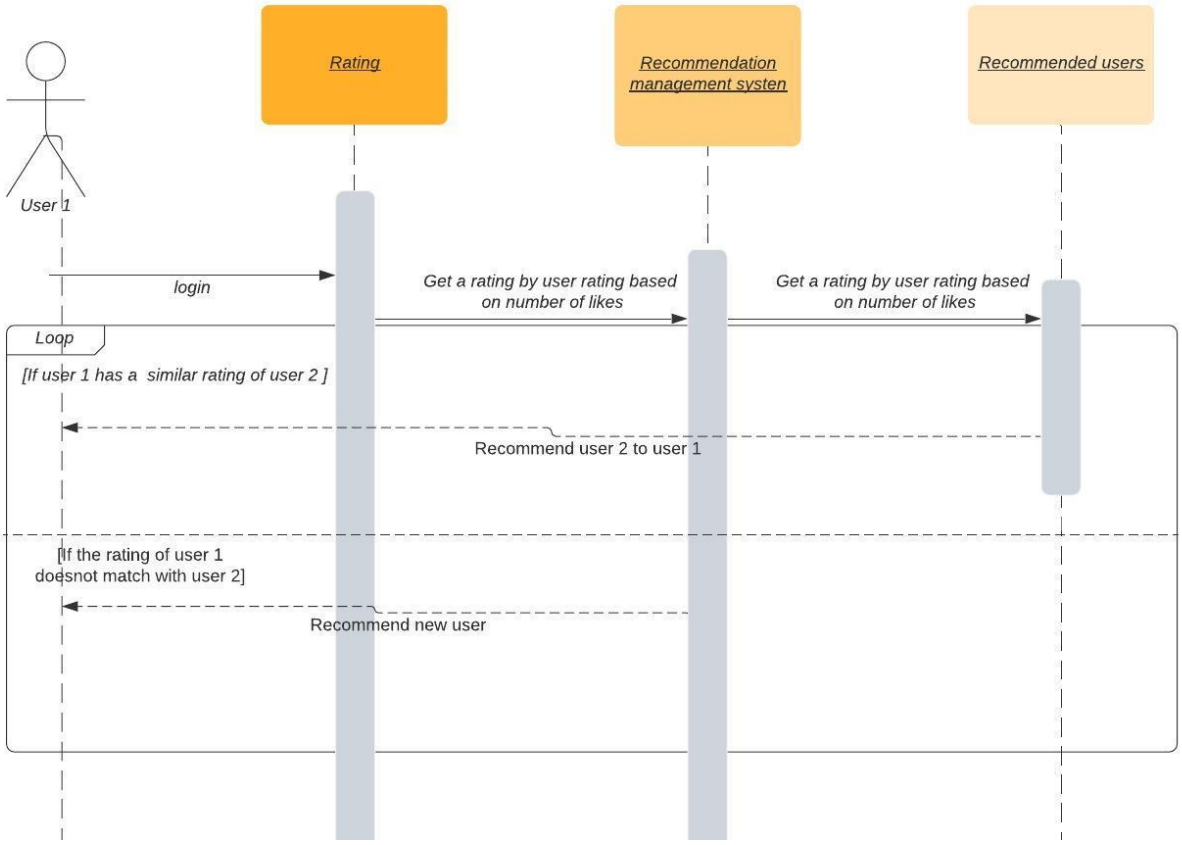


Figure 22 sequence diagram for recommendation management system

2.6. Data Dictionary

Fields: name, age, DOB, gender, phone number, email, address

Field Name	Description	Data type	Character length	Default value	Required	Accept Null Value
name	Stores the name of the employee	VARCHAR	60		Yes	No
age	Stores the age of the employee	INTEGER	3		Yes	No
gender	Stores the gender of the employee	ENUM (“M”,” F”)	1		Yes	No
dob	Stores the date of birth	DATE	15		Yes	No
Phone number	Stores the phone number of the employee	INTEGER	10		Yes	No
Email	Stores the email of the employee	VARCHAR	50		Yes	No
Address	Stores the address of the user	VARCHAR	250		No	Yes

2.7. Wireframe Designs

2.7.1. Splash Screen

Figure 23 Splash Screen

2.7.2. Index Page

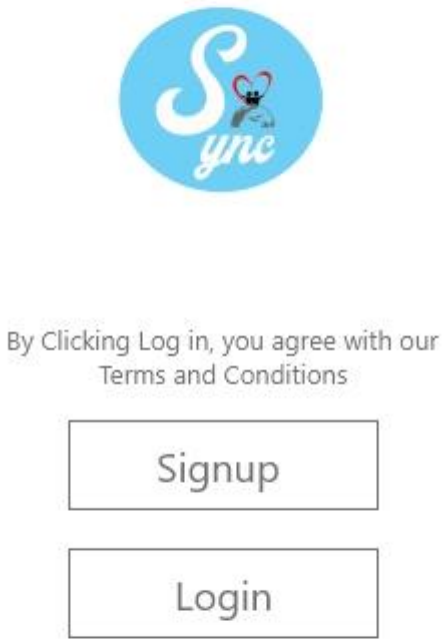


Figure 24 Index Page

2.7.3. Signup Page

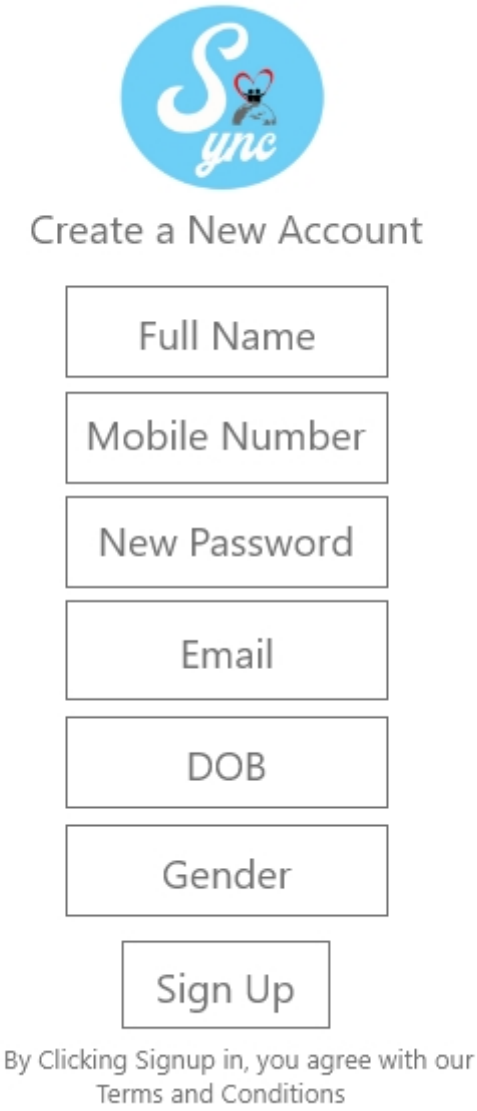


Figure 25 Signup

2.7.4. Login Page

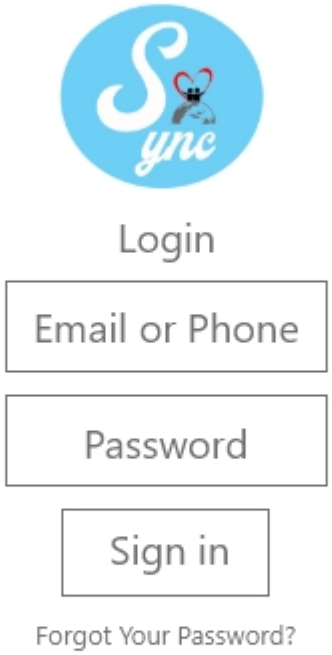


Figure 26 Login Page

2.7.5. Reset Password Page

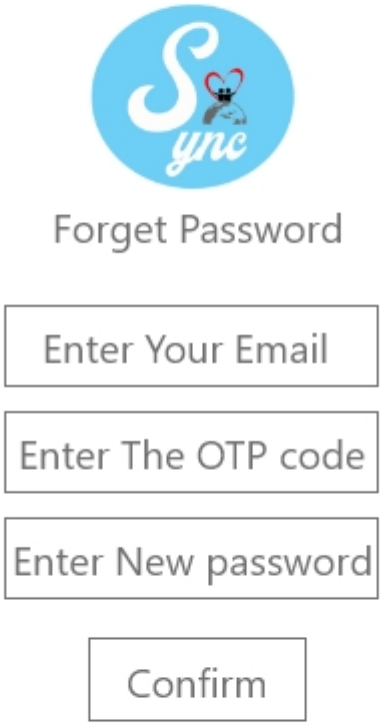


Figure 27 Reset Password Page

2.7.6. Add Photos

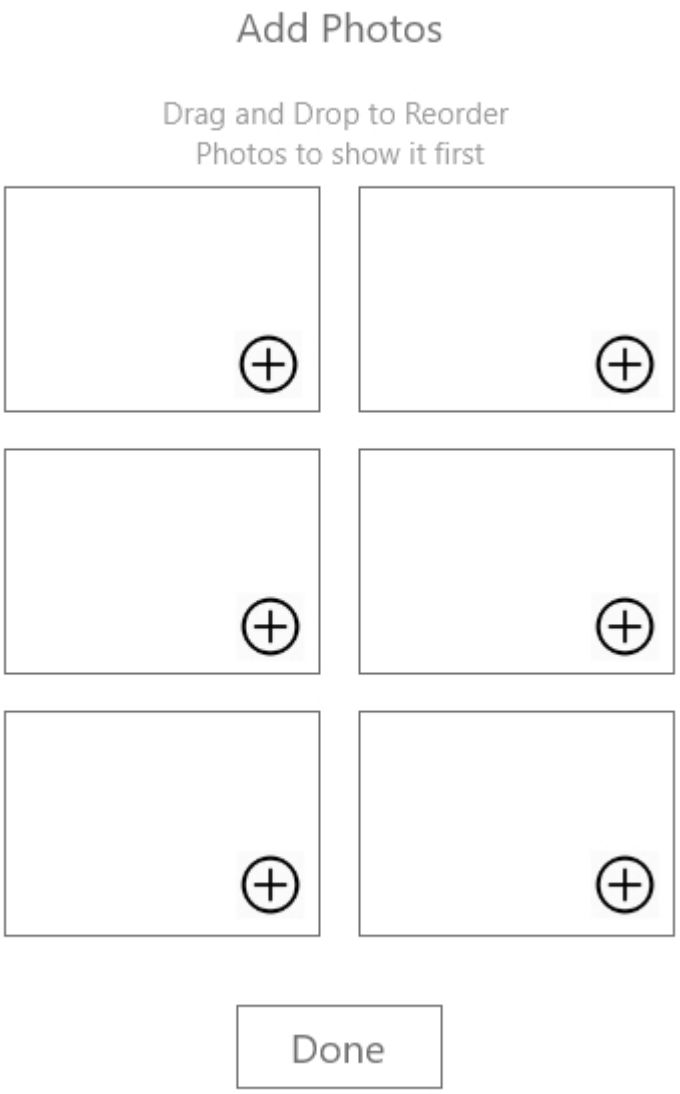


Figure 28 Add Photos

2.7.7. Feed

Figure 29 Feed Page

2.7.8. Messages

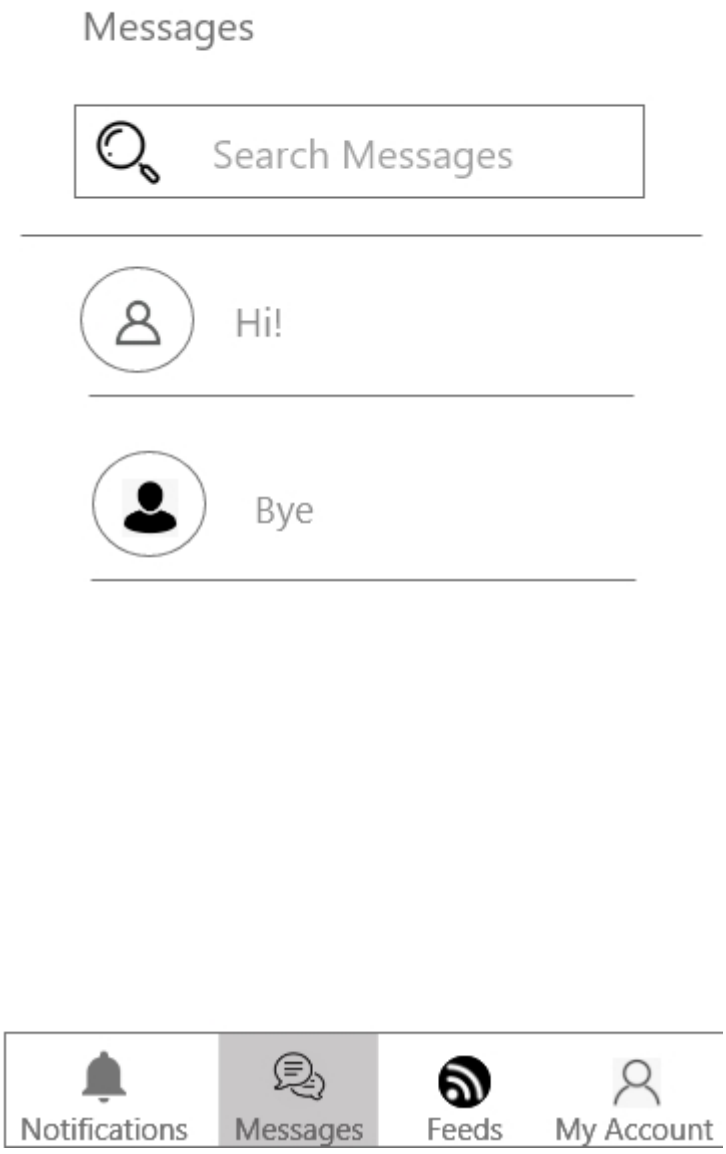


Figure 30 Messages

2.7.9. Message Box

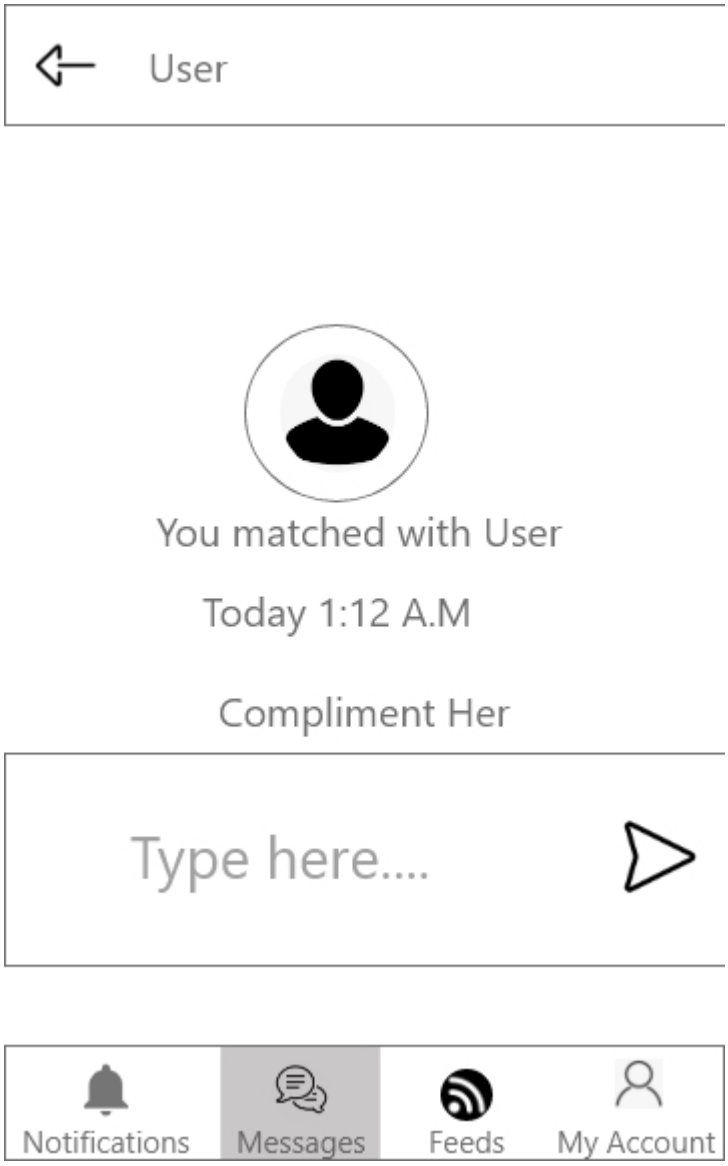


Figure 31 Message Box

2.7.10. Notifications

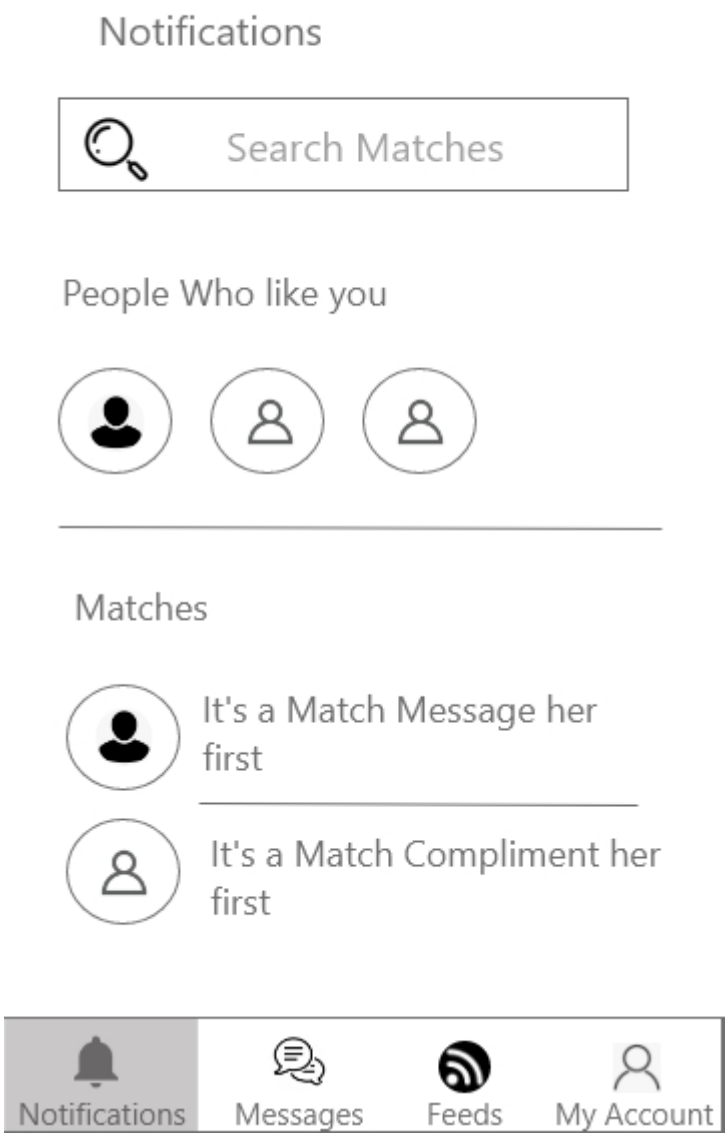


Figure 32 Notifications

2.7.11. Account

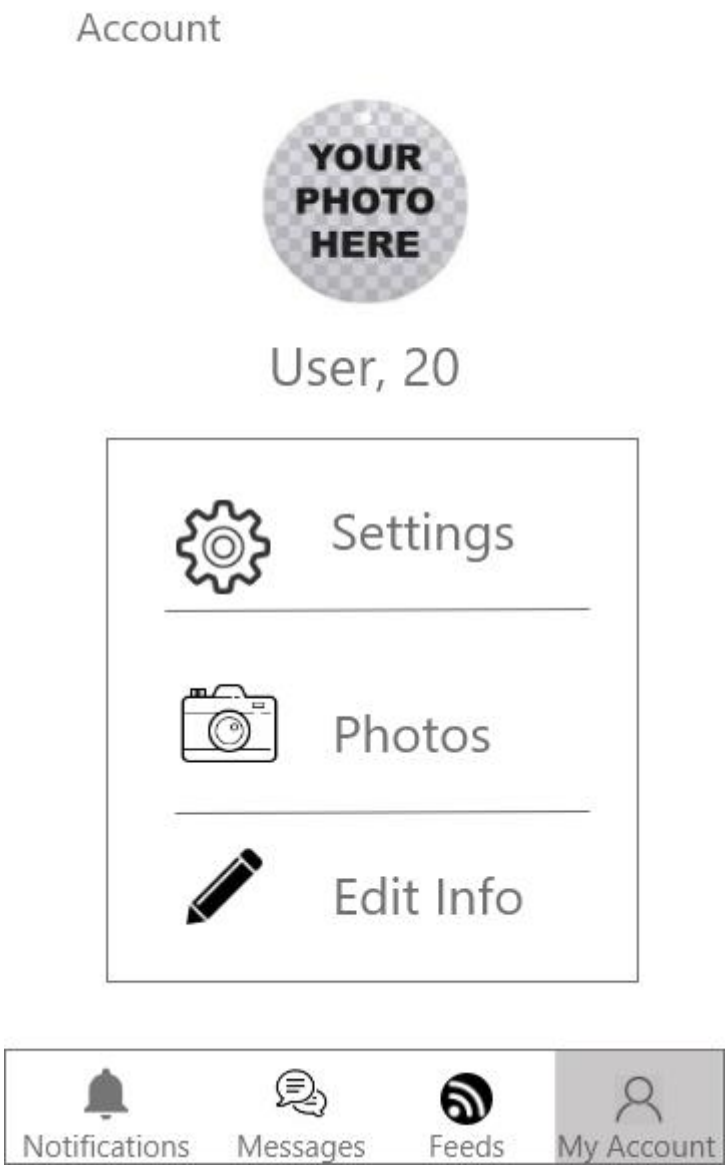


Figure 33 Account Page

2.7.12. Settings

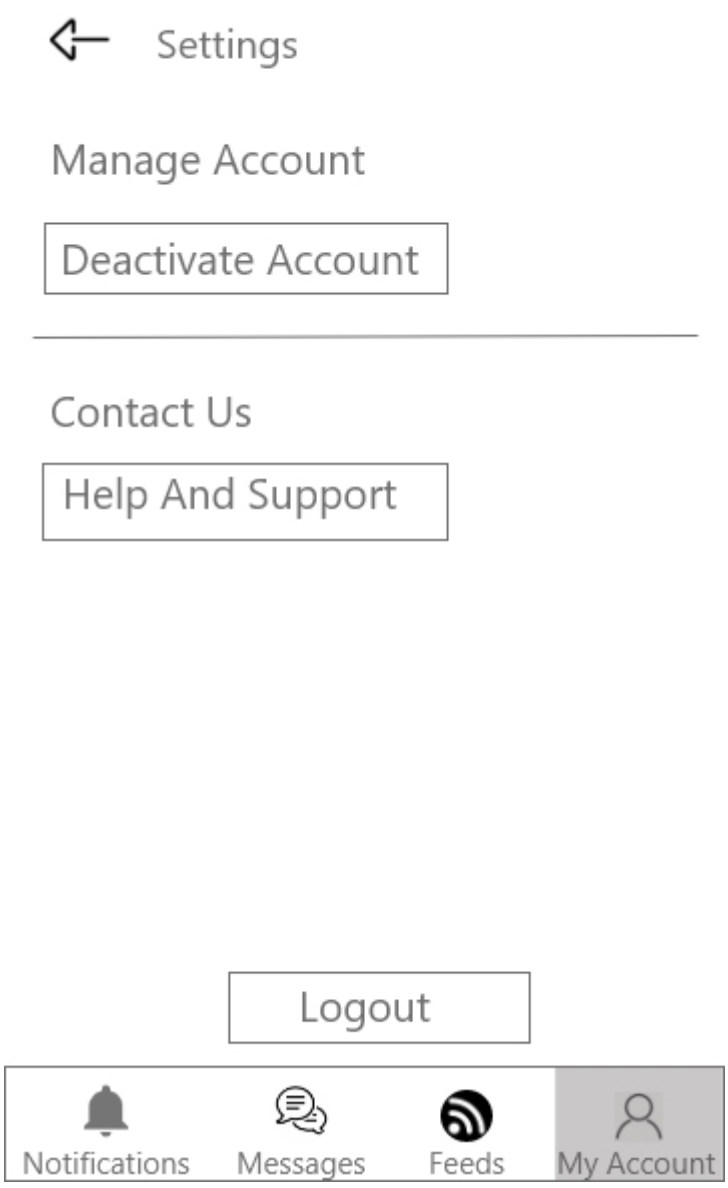


Figure 34 Settings Page

2.7.13. Photos

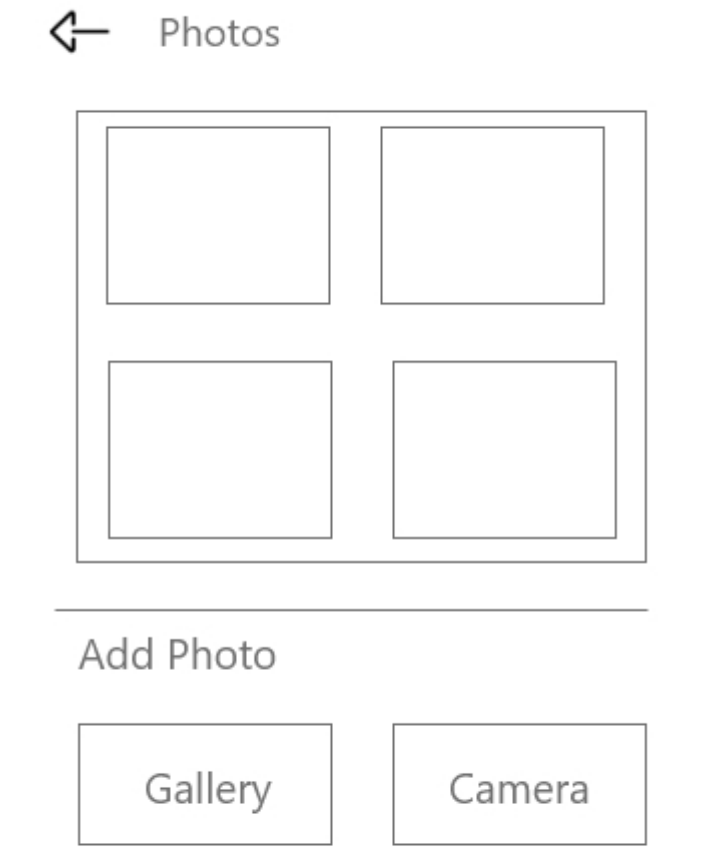


Figure 35 Gallery Page

2.7.14. Edit Info

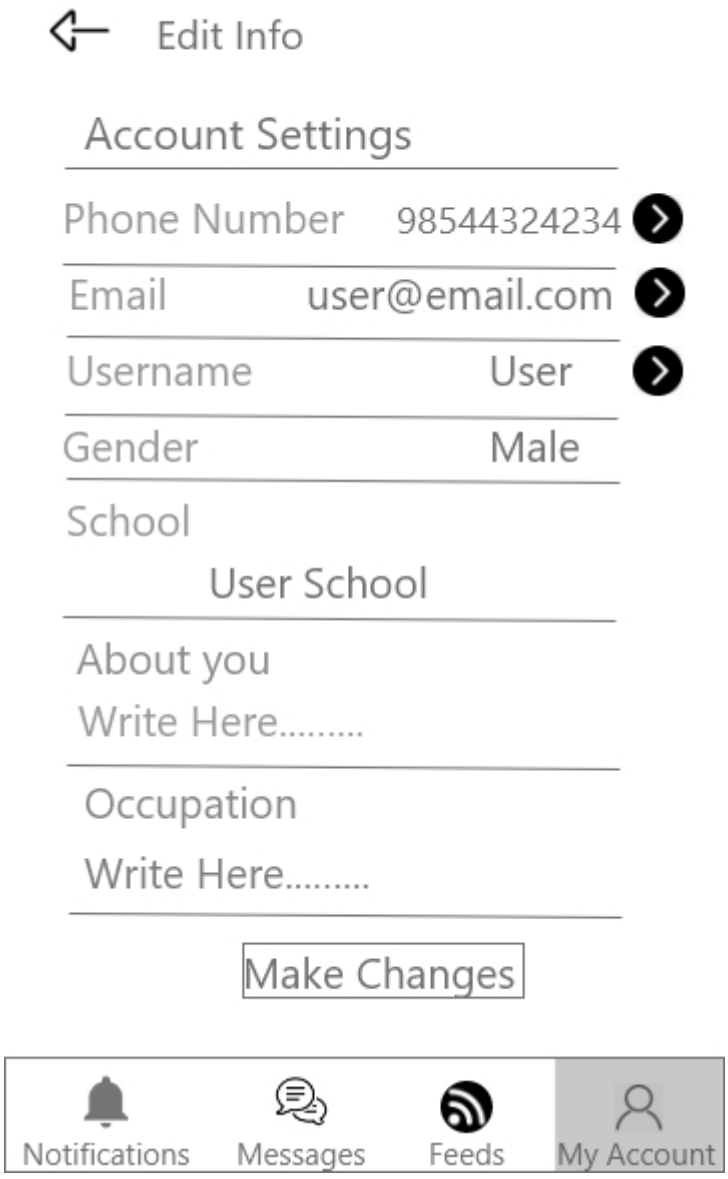


Figure 36 User Info Page

2.8. Testing Specification

TC_ID	Name	SRS_ID	Pre-requisite	Steps	Data Set	Expected	Actual	Result
1	Register	UM-F-1	Phone number or email-address.	Open the application, Registration screen is shown EnterUser-Email:Email Enter Phone number: Number Enter password containing Digits and alphanumeric keywords: pwd Enter Register	Email: user@email.com Password:User @Password 123 Phone number: User_number	Error msg: Invalid email, phone number. Password doesn't match.		Pass/Fail
2	Login	UM-F-2	User should be registered	Login screen is shown Enter user id: id Enter user Password: pwd	Id: user Password: User_pwd	Error msg: User not registered Invalid password/ username		Pass/Fail
3	Forget Password	UM-UR-2.1	User should have registered	Open the application, if password = forgotten, tap forget password, then ask for a otp code, enter the otp code. Enter the otp code and reset the password	Id: user Password: new password	Error msg: The otp code is invalid. Please try again.		Pass/Fail

4	Recommend User	RS-F-1	User should have logged in	Open the user recommendation pages. View users show the users where recommendation is done by the system. [if user 1 has a rating of 2 and user 2 has a rating of 2 then recommend user 1 user 2 and user 2 user 1] else [ignore users]	ID: user Password: password Recommendation ID: ID	Error msg: Empty		Pass/Fail