Le Fleur King
Elaboration Document

Rosy Outlook

Team Members:

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TABLE OF CONTENTS

1 FUNCTIONAL REQUIREMENTS 3

1.1 Analysis Use Case Model 3

1.2 Use Case Glossary and Responsibilities 4

2 UI PROTOTYPES 6

2.1 Team UI Guidelines 6

2.2 Team Design for 8

2.2.1 Login / Logout 8

2.2.2 Dashboard / Landing Page / Main Page 9

2.3 UI Designs & Updated Analysis Use Case Narratives 12

2.3.1 Designed by Junaid Brooks 12

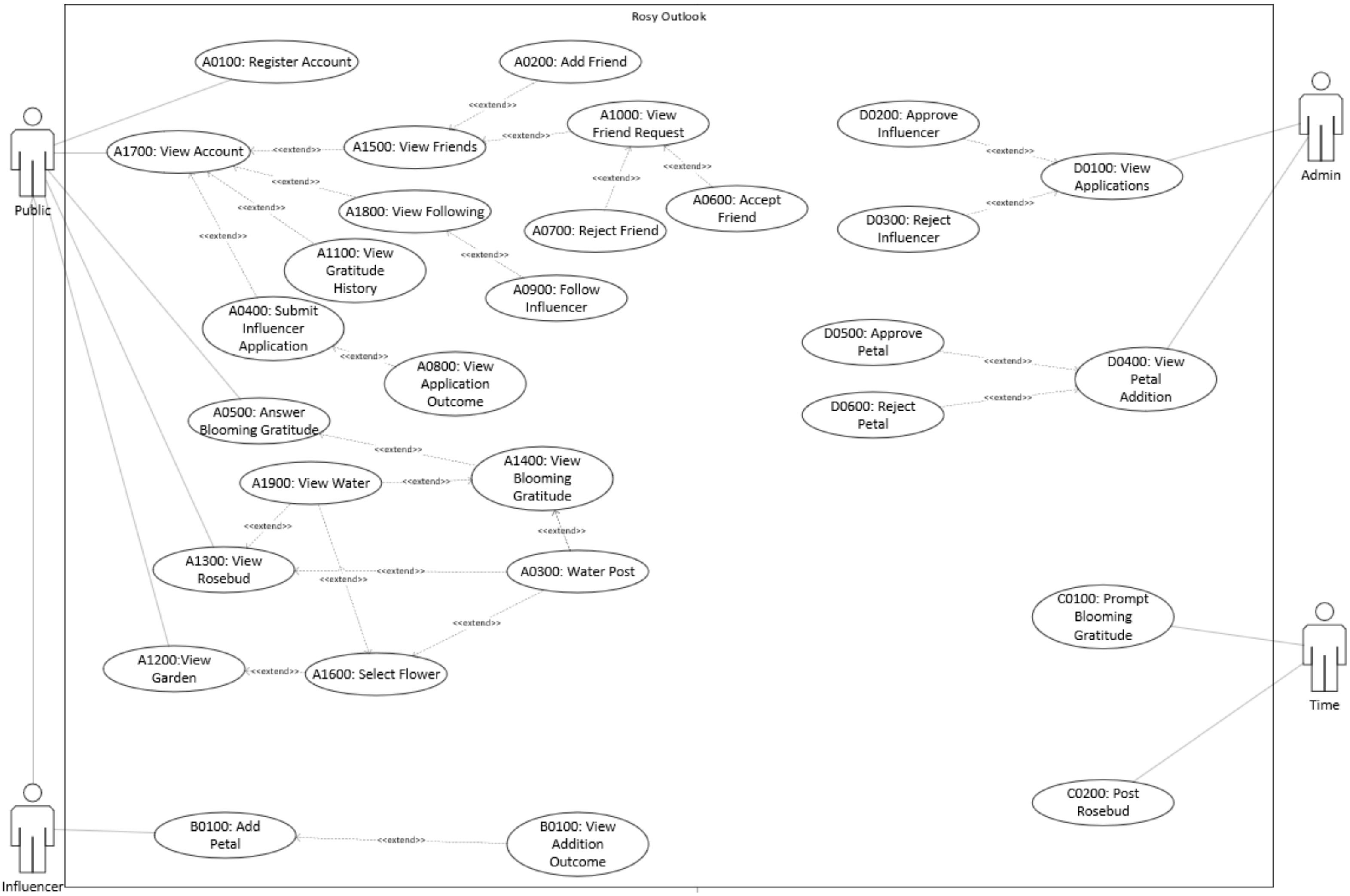
2.3.2 Designed by Ganeefa Sirkhotte 25

3 DATA REQUIREMENTS 54

Implementation Ready Class Diagram 54

1 FUNCTIONAL REQUIREMENTS

1.1 Analysis Use Case Model



1.2 Use Case Glossary and Responsibilities

Team Member Responsible: Junaid Brooks	
Use Case Id	**Use Case Name**
A0600	Accept Friend
A0700	Deny Friend
D0100	View Application
D0200	Approve Influencer
D0300	Reject Influencer
D0400	View Petal Addition
D0500	Approve Petal
D0600	Reject Petal
Queries/Reports	
A0200	Add Friend
A0900	Follow Influencer
A1000	View Friend Request
A1500	View Friend
A1700	View Account
A1800	View Following

Team Member Responsible: Ganeefa Sirkhotte	
Use Case Id	**Use Case Name**
A0100	Register Account
A0300	Water Post

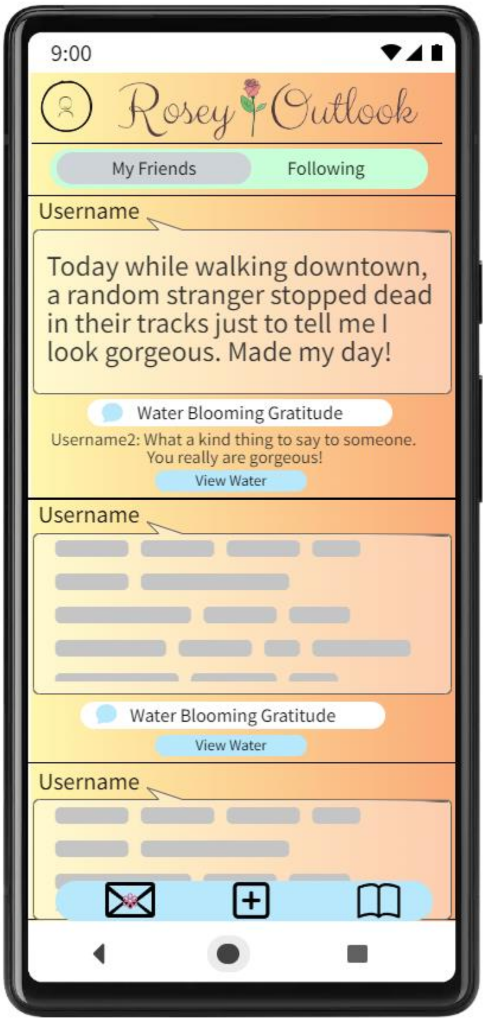
A0400	Submit Influencer Application
A0500	Answer Blooming Gratitude
A1300	View Rosebud
B0100	Add Petal
C0100	Prompt Blooming Gratitude
C0200	Post Rosebud
Queries/Reports	
A0800	View Application Outcome
A1100	View Gratitude History
A1200	View Garden
A1400	View Blooming Gratitude
A1600	Select Flower
A1900	View Water
B0200	View Addition Outcome

2 UI Prototypes

2.1 Team UI Guidelines

Navigation & Control
Navigation would be extremely simple. The main pages, the ‘My Friends’ and ‘Following’, would have a tab on the main screen which highlights which of the two the user is currently viewing. The app will remain consistent with placements, all pages would have a header which will consist of the logo, which is mainly centered and an account/ menu button, which gives the user access to all the other sections of the application. Navigation through the system and performing any task, such as posting or watering, would be intuitive. The application can further be navigated by means of the built in android system navigation.

Our aim is to keep it consistent with other modern day social media applications, and have it easy to learn. This navigation scheme ensures usability and an enjoyable user experience.



Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

Username2: What a kind thing to say to someone. You really are gorgeous!

Figure 1 Main page tab

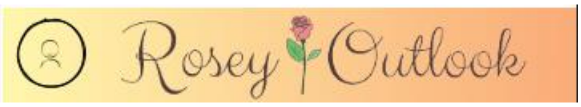


Figure 2 Header

Support For User Efficiency

Each interface/ page would be designed with one main functionality and some may have the possibility of having other minor functions included in them.

Recognition rather than recall
The user-interface of our app is designed in such a way that it resembles and is consistent with most social media apps, making it something that is recognizable and familiar to users. Our additional features to regular social media apps would have its features, buttons and icons recognizable in a similar way to promote recognition. This consistency ensures that new social media users only need to learn the system once and users that have previously made use of other social media apps, would just have to learn the new features in our app.

Aesthetic Design
The app will have a fixed head, seen in figure 2, consisting of the menu/account button and the logo throughout all the pages on the app. Throughout the app we keep our font and font colour consistent and the same. The only font that differs is that of the logo. The application has a minimalistic design, with each page only having one main function. The app will have a warm pastel colour scheme, this can be seen in the apps background colour which is figure 3. As this app is about positivity we try not to use any colours associated with negativity. Buttons remain the same colour, a pastel blue which is displayed in figure 4, and style throughout the app. Tabs also remain the same colour and style throughout the app.

Figure 3 Background Colour

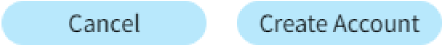
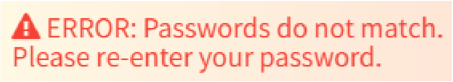


Figure 4 Buttons

Error prevention and recovery
The errors will be dealt with in code. A user would not be able to complete certain actions (creating an account, logging in and influencer application) if they have not filled in the details correctly. An error message will be displayed, similar to the one in figure 5, if the input is invalid. These error messages would be detailed enough for the user to know where their error lies.

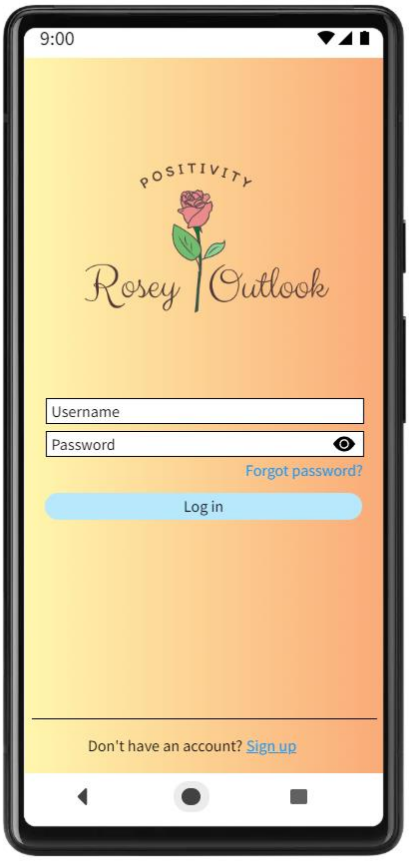


⚠ ERROR: Passwords do not match.
Please re-enter your password.

Figure 5 Error message

2.2 Team Design for

2.2.1 Login / Logout



9:00

POSITIVITY

Rosey Outlook

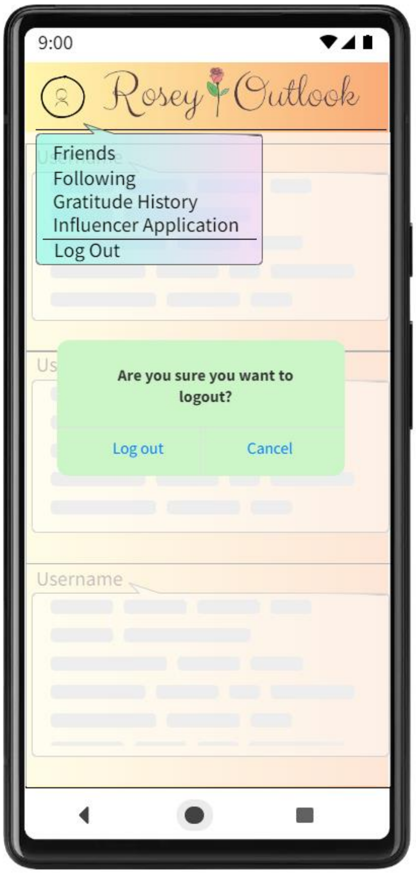
Username

Password

Forgot password?

Log in

Don't have an account? Sign up



9:00

Rosey Outlook

Friends
Following
Gratitude History
Influencer Application
Log Out

Are you sure you want to logout?

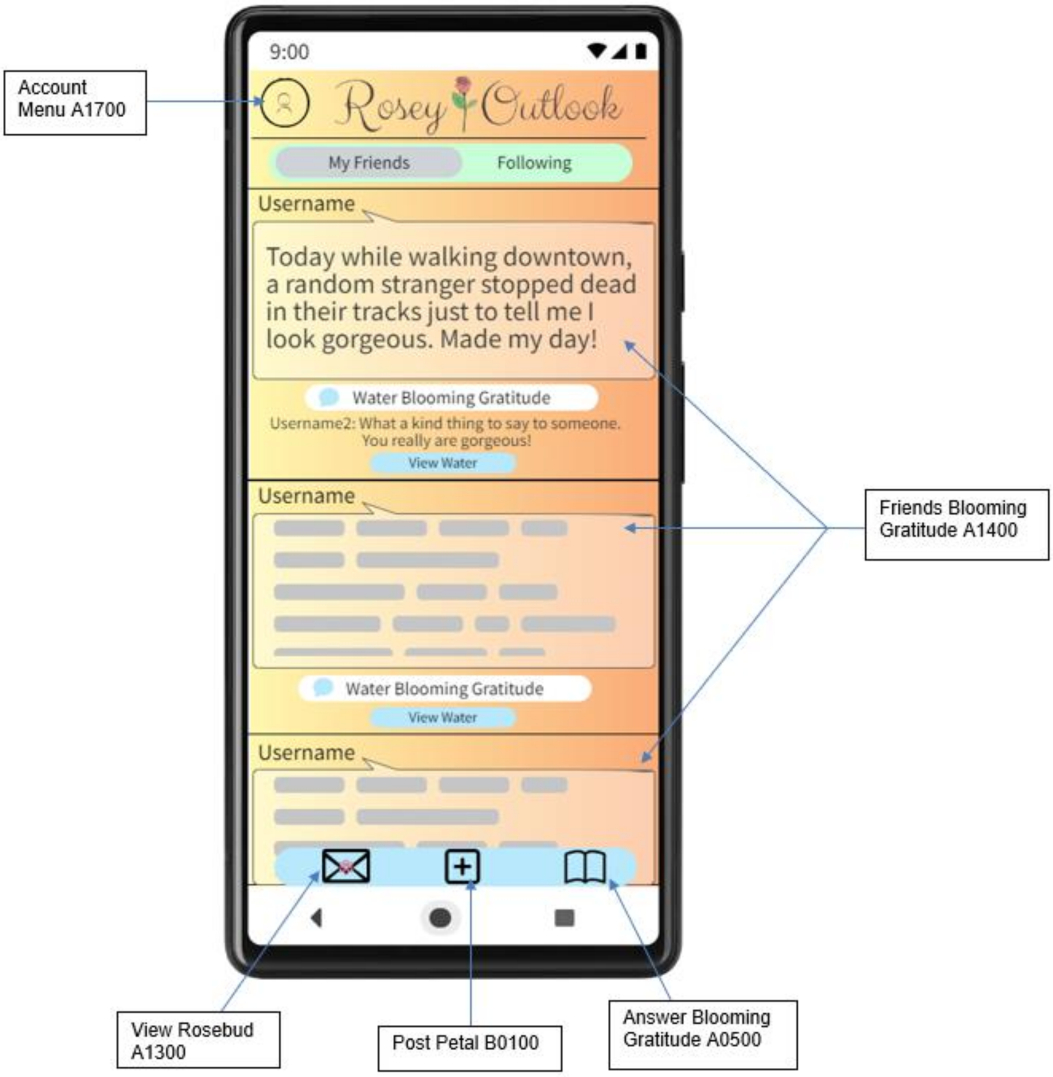
Log out

Cancel

Username

2.2.2 Dashboard / Landing Page / Main Page

2.2.2.1 Influencer's Homepage



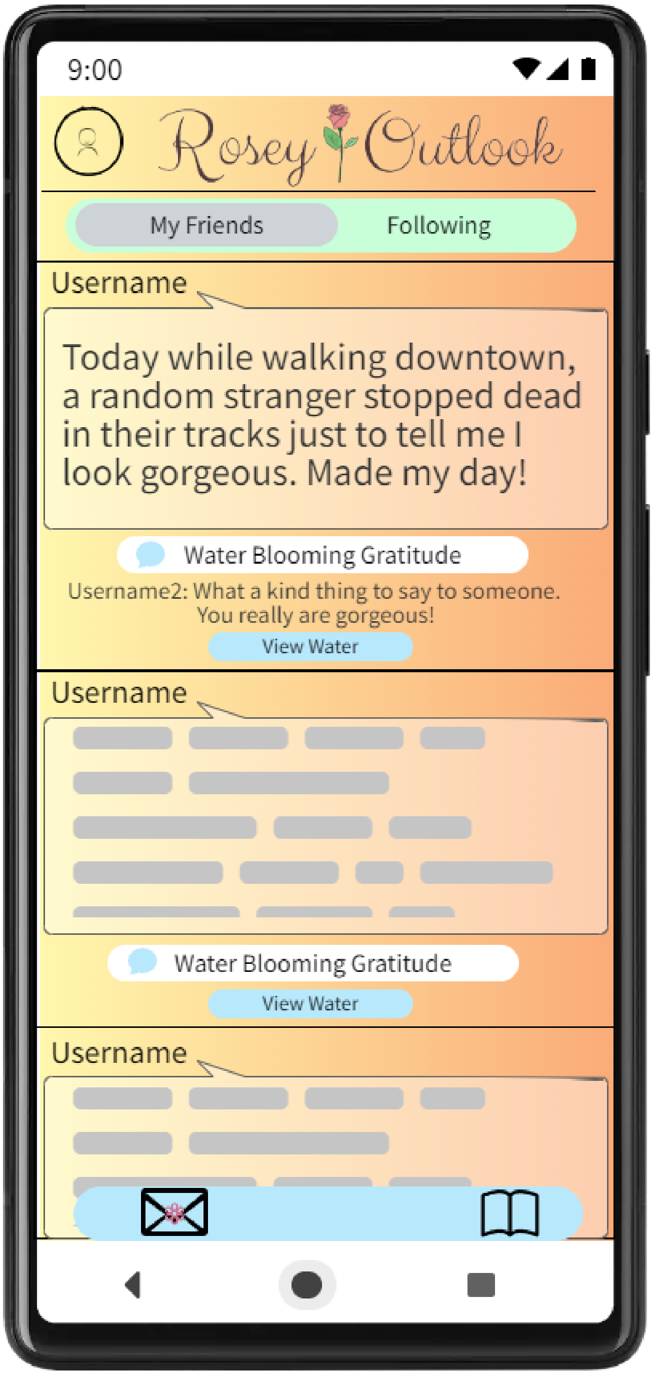
9:00

Username

Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

Username2: What a kind thing to say to someone. You really are gorgeous!

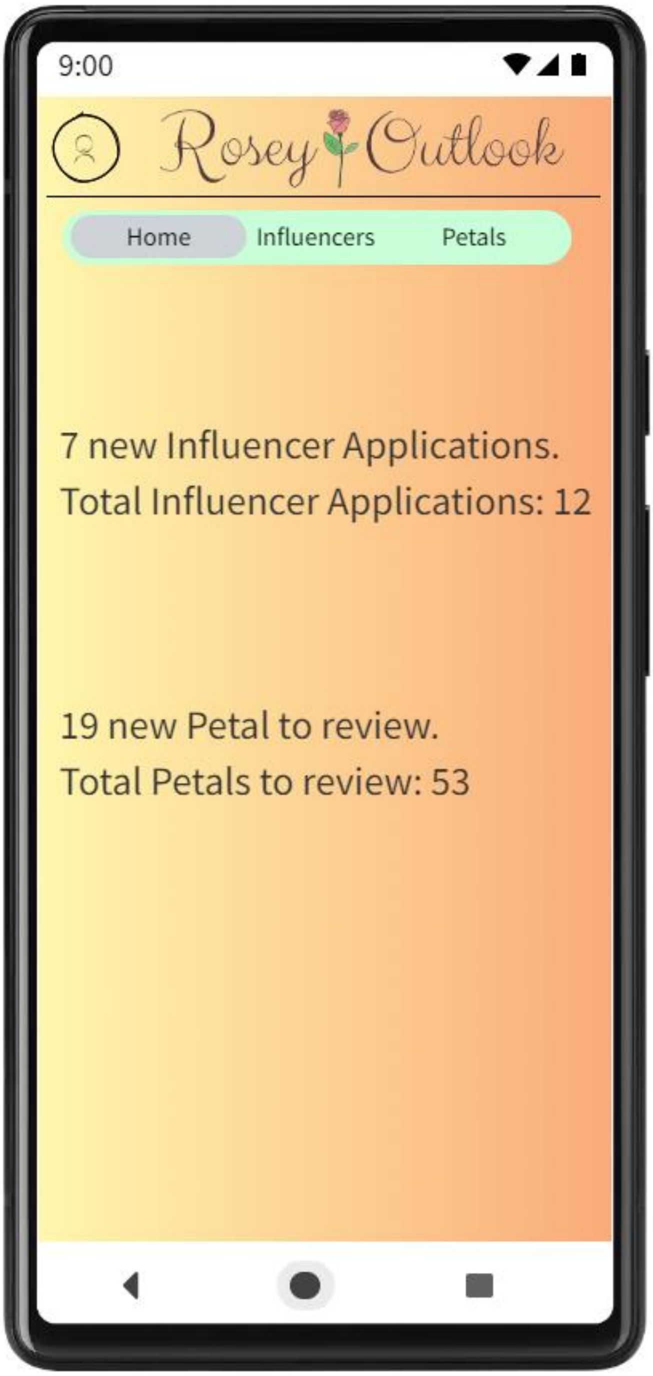
2.2.2.2 Public user's homepage



Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

Username2: What a kind thing to say to someone. You really are gorgeous!

2.2.2.2.1 Admin



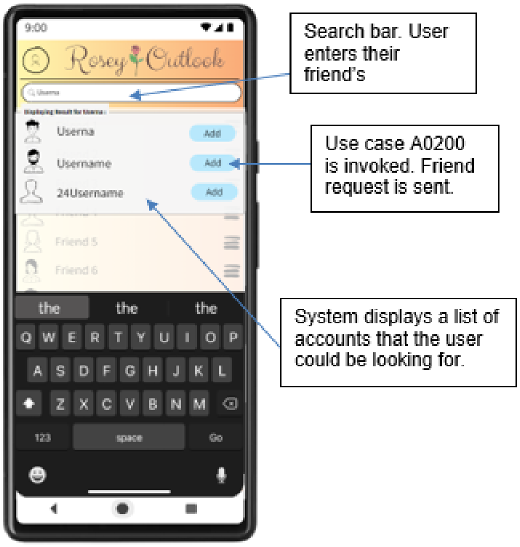
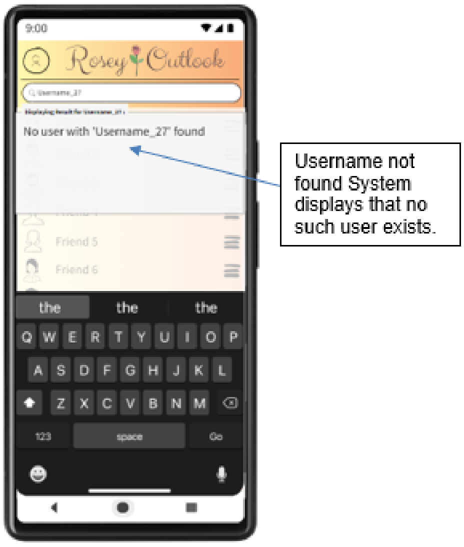
7 new Influencer Applications.
Total Influencer Applications: 12

19 new Petal to review.
Total Petals to review: 53

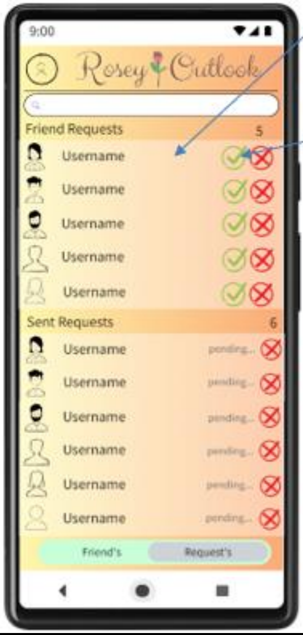
2.3 UI Designs & Updated Analysis Use Case Narratives

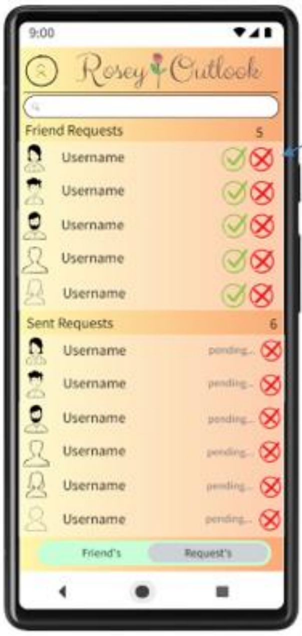
2.3.1 Designed by Junaid Brooks

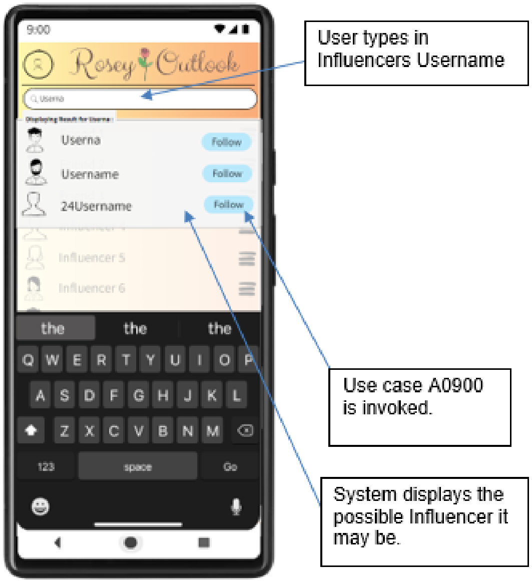
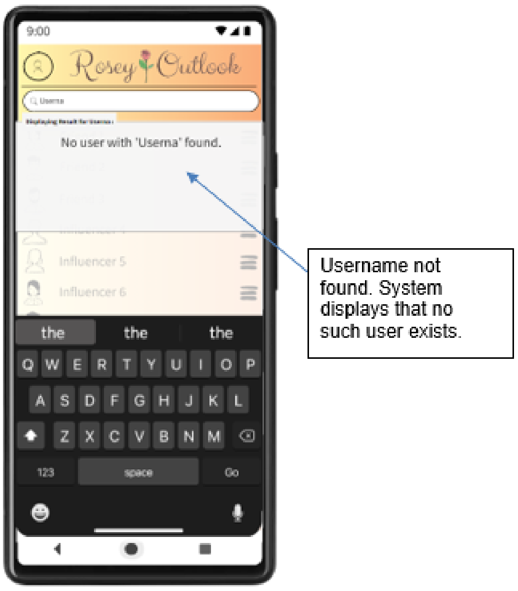
Use Case ID	**Use Case Name**
A0200	Add Friend
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of adding a new friend, or more specifically sending a friend request.
Pre-Conditions	Public must have registered an account. Must be on the Friends tab of the Friends page.
Triggers	Called from A1500
Post-Conditions	Friend request was sent.
Basic Flow of Events	1. User would click on the search/add friend button 2. User types in their friend's username and hits the search button. 3. System checks if username exists. 4. User then selects friend's account. 5. User then click on Add friend button.
Alternate Flow of Events	3.1 Check fails, system displays error. 3.2 Returns to step 2.

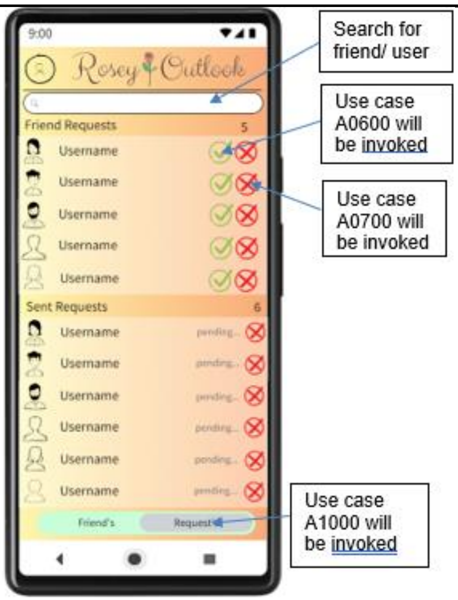
Initial UI Design	 9:00 Rosey Outlook Userna Displaying Result for Userna Userna Username 24Username Add Friend 5 Friend 6 the space Go 123 Search bar. User enters their friend's Use case A0200 is invoked. Friend request is sent. System displays a list of accounts that the user could be looking for.  9:00 Rosey Outlook Username_27 No user with 'Username_27' found Friend 5 Friend 6 the space Go 123 Username not found System displays that no such user exists.

Use Case ID	**Use Case Name**
A0600	Accept Friend
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	Users will receive friend requests from other users, when they try to add them as a friend. User could then accept the friend request.
Pre-Conditions	User has a registered account and has a pending friend request. Public has to be in the Friends tab of the Friends page, which is invoked by A1500.
Triggers	Invoked by A1000.
Post-Conditions	A new friend was added.
Basic Flow of Events	1. User clicks the Add/ accept button.

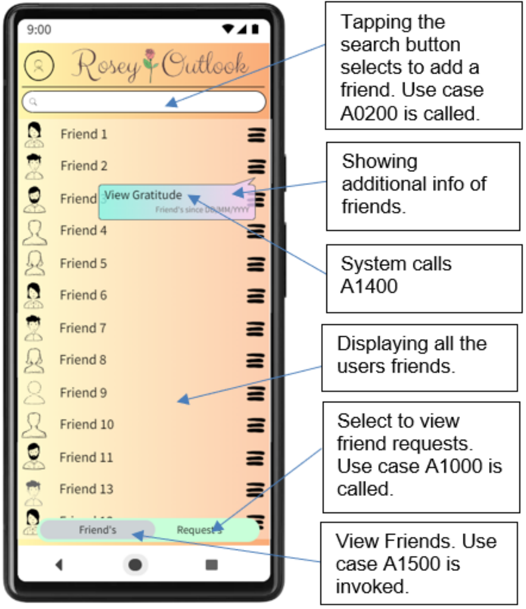
Initial UI Design	 9:00 Rosey Outlook Friend Requests 5 Username Username Username Username Username Sent Requests 6 Username pending... Username pending... Username pending... Username pending... Username pending... Username pending... Friend's Request's Pending Friend Requests Accept Friend Request. Use case A0600 is invoked.

Use Case ID	**Use Case Name**
A0700	Reject Friend
Primary Business Actors	**Other participating Actors**
Public	
Description	A User receives a friend request from someone they do not wish to add, so they reject the request.
Pre-Conditions	User has a registered account and have a pending friend request. Public has to be in the Friends tab of the Friends page, which is invoked by A1500.
Triggers	Invoked by A1000.
Post-Conditions	User has denied the friend request.
Basic Flow of Events	1. User clicks the Deny/ reject button.
Initial UI Design	 9:00 Rosey Outlook Friend Requests 5 Username Username Username Username Username Sent Requests 6 Username pending... Username pending... Username pending... Username pending... Username pending... Username pending... Friend's Request's Reject Friend Request. Use case A0700 is invoked.

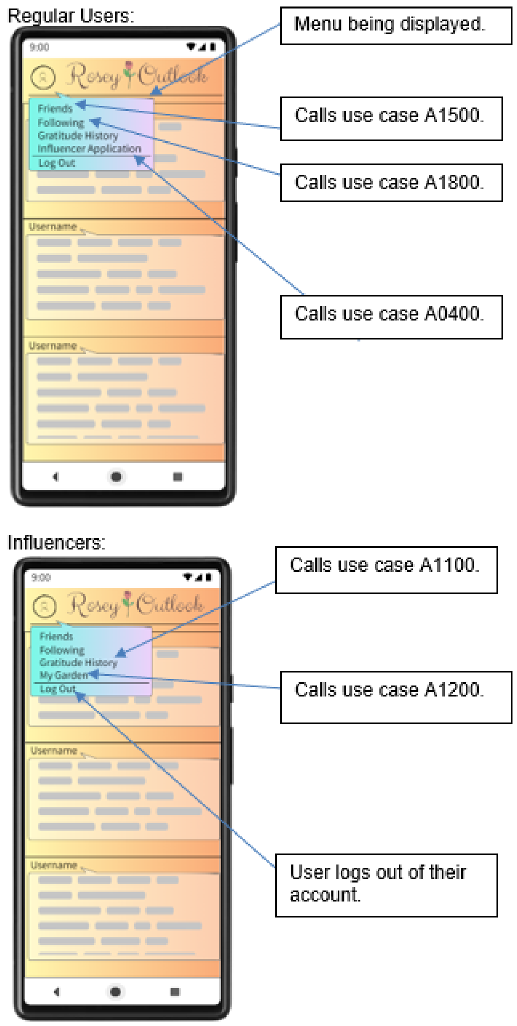
Use Case ID	Use Case Name
A0900	Follow Influencer
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	Follow a specific influencer to then have their flowers appear on your page.
Pre-Conditions	User needs to have a registered account. Public has to be in the Following tab of the Friends page.
Triggers	Called from A1700.
Post-Conditions	The User now follows the influencer.
Basic Flow of Events	1. User types in their influencers username and hits the search button. 2. System checks if username exists 3. User then selects influencer's account. 4. User then click on follow button.
Alternate Flow of Events	2.1 Check fails, system displays error. 2.2 Returns to step 1.
Initial UI Design	 9:00 Rosey Outlook Userna Displaying Result for Userna: Userna Follow Username Follow 24Username Follow Influencer 5 Influencer 6 User types in Influencers Username Use case A0900 is invoked. System displays the possible Influencer it may be.  9:00 Rosey Outlook Userna Displaying Result for Userna: Influencer 5 Influencer 6 No user with 'Userna' found. Username not found. System displays that no such user exists.

Use Case ID	**Use Case Name**
A1000	View Friend Request
Actors	
Public	
Description	This use case describes the process of viewing the friend requests that have been sent to a user. Both incoming and outgoing are visible to the user.
Pre-Conditions	User either needs to have a pending friend request or have sent out request that hasn't been accepted nor rejected.
Triggers	Invoked by A1500
Post-Conditions	The system displays the friend request that were sent to that user
Basic Flow of Events	1. System displays a list of people that have sent friend requests to the user. There could also not be any new friend requests. 2. Select request to accept 3. Call A0600
Alternate Flow of events	2.1 Select request to reject 2.2 Call A0700
Initial UI design	 9:00 Rosey Outlook Friend Requests 5 Username Sent Requests 6 pending... Friend's Request Search for friend/ user Use case A0600 will be invoked Use case A0700 will be invoked Use case A1000 will be invoked

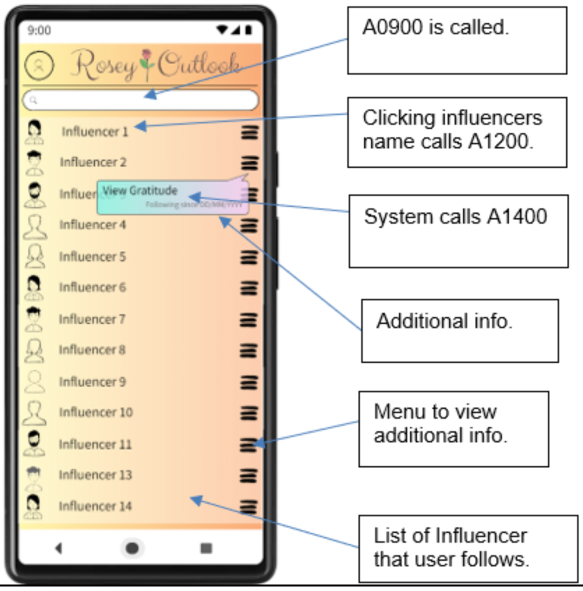
Use Case ID	**Use Case Name**
A1500	View Friend
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of viewing the Friends section.
Pre-Conditions	User must have an account.
Triggers	Called from A1700.
Post-Conditions	User's friends are displayed.
Basic Flow of Events	1. The system displays the friends of the user. 2. User Selects to Add Friend 3. System calls A0200

Alternate Flow of Events	2.1.1 Select Friend Requests 2.1.2 System calls A1000 2.2.1 User selects View Gratitude 2.2.2 System calls A1400
Initial UI Design	 9:00 Rosey Outlook Friend 1 Friend 2 Friend View Gratitude Friend's since DD/MM/YYYY Friend 4 Friend 5 Friend 6 Friend 7 Friend 8 Friend 9 Friend 10 Friend 11 Friend 13 Friend's Requests Tapping the search button selects to add a friend. Use case A0200 is called. Showing additional info of friends. System calls A1400 Displaying all the users friends. Select to view friend requests. Use case A1000 is called. View Friends. Use case A1500 is invoked.

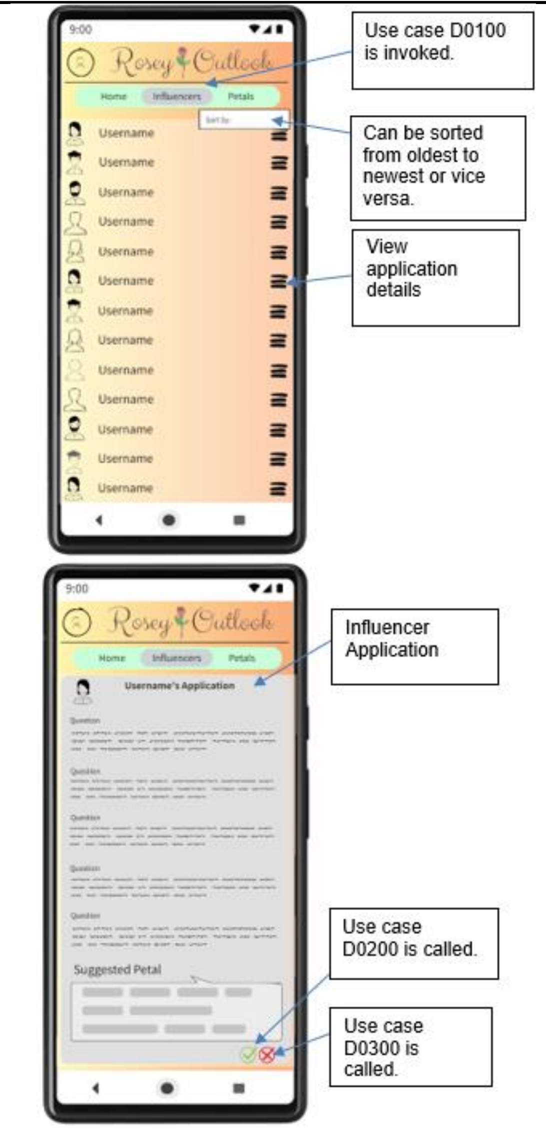
Use Case ID	**Use Case Name**	
A1700	View Account	
Primary Business Actors		**Other participating Actors**
Public		Influencers
Description	This use case describes the process of viewing the Account menu	
Pre-Conditions	User must have a registered account.	
Triggers	User clicks Account button.	
Post-Conditions	A menu of options is displayed.	
Basic Flow of Events	1. System displays a menu. 2. User selects Friends. 3. System calls A1500	
Alternate Flow of Events	2.1.1 User selects Following. 2.1.2 System calls A1800. 2.2.1 User selects Gratitude History. 2.2.2 System calls A1100. 2.3.1 User Selects Influencer Application, 2.3.2 System calls A0400. 2.4.1 User Selects My Garden. 2.4.2 System calls A1200	

Initial UI Design	

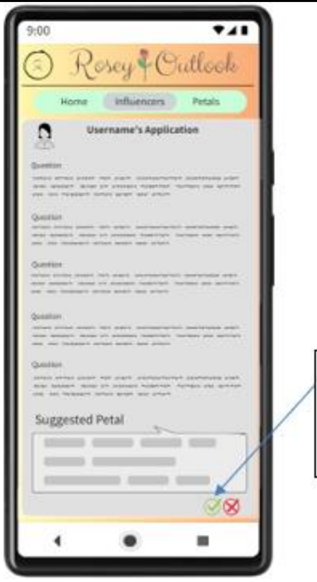
Use Case ID	**Use Case Name**
A1800	View Following
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of viewing the Following section.
Pre-Conditions	User must have an account.
Triggers	Called from A1700.
Post-Conditions	User's following is displayed.
Basic Flow of Events	1.The system displays the influencers that the user is following. 2.User Selects to Follow Influencer 3.System calls A0900
Alternate Flow of Events	2.1 User selects additional info. 2.2.1. User clicks View Gratitude 2.2.2 System calls A1400 2.3.1 User clicks on Influencer's username 2.3.2 System calls A1200

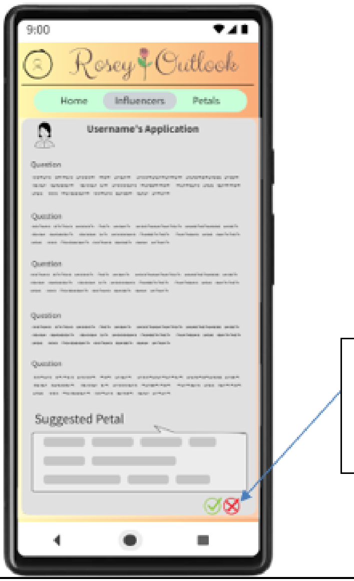
Initial UI Design	

Use Case ID	**Use Case Name**
D0100	View Application
Actors	
Admin	
Description	This use case describes the process of viewing all the current influencer applications that have been submitted (A0400).
Pre-Conditions	User has to be on an admin account.
Triggers	Admin clicks View Application button (Influencer Button).
Post-Conditions	A list of unprocessed influencer applications is displayed.
Basic Flow of Events	1. The system displays all the influencer applications. 2. Admin selects to accept application 3. D0200 is called
Alternate Flow of events	2.1 Admin selects to reject application 2.2 D0300 is called

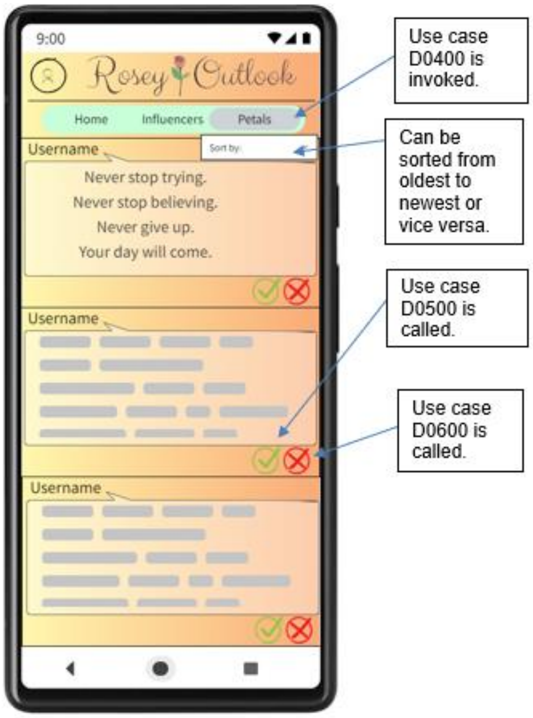
Initial UI design	 Rosey Outlook Home Influencers Petals Sort by Username Username's Application Question Suggested Petal Use case D0100 is invoked. Can be sorted from oldest to newest or vice versa. View application details Influencer Application Use case D0200 is called. Use case D0300 is called.

Use Case ID	**Use Case Name**	
D0200	Approve Influencer	
Primary Business Actors		**Other participating Actors**
Admin		
Description	Admin makes a regular user a potential new influencer.	
Pre-Conditions	A user submitted an application to be an influencer.	
Triggers	Called from D0100	
Post-Conditions	There is now a new influencer.	
Basic Flow of Events	1. Admin will review the application. 2. Admin approves the influencer. 3. Return to step 1 in D0100	

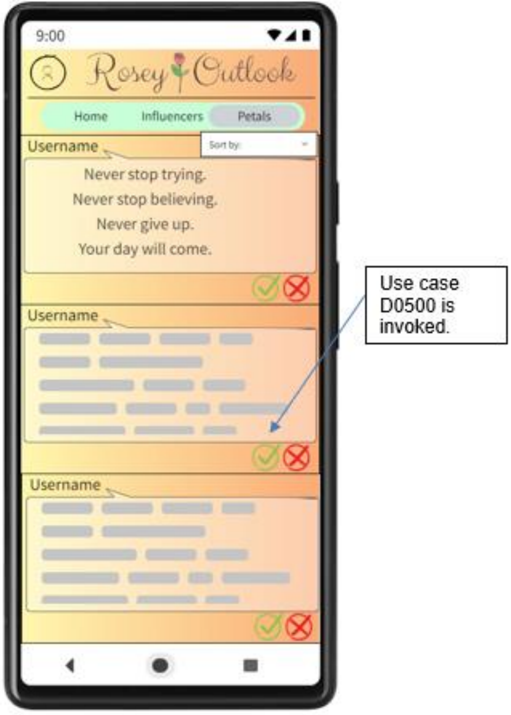
Initial UI Design	 9:00 Rosey Outlook Home Influencers Petals Username's Application Question Suggested Petal There is now a potential new Influencer. Use case D0200 is invoked.

Use Case ID	**Use Case Name**
D0300	Reject Influencer
Primary Business Actors	**Other participating Actors**
Admin	
Description	Admin denies a regular user becoming a new influencer.
Pre-Conditions	A user submitted an application to be an influencer.
Triggers	Called from D0100
Post-Conditions	Influencer application is rejected.
Basic Flow of Events	1. Admin would review the application. 2. Admin rejects the application. 3. Return to step 1 in D0100
Initial UI Design	 9:00 Rosey Outlook Home Influencers Petals Username's Application Question Suggested Petal User gets rejected from being an Influencer. Use case D0300 is invoked.

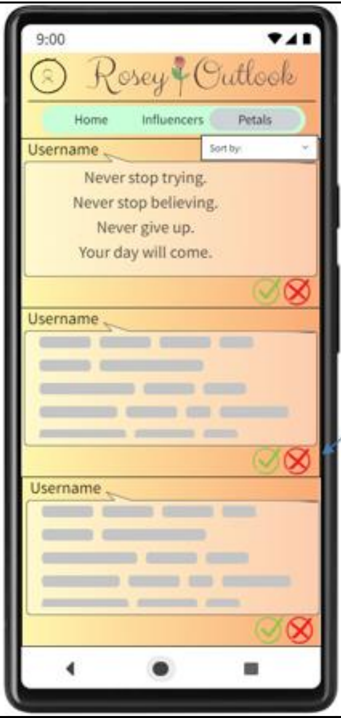
Use Case ID	**Use Case Name**
D0400	View Petal Addition

Actors	
Admin	
Description	This use case describes the process of viewing all the pending petal additions that have been submitted by influencers (B0100).
Pre-Conditions	User has to be on an admin account
Triggers	Admin clicks the View Petal Addition button (Petals button)
Post-Conditions	A list of unprocessed petals is displayed
Basic Flow of Events	1. The system displays all the Petal Additions that admin needs to approve/deny. 2. Admin selects to accept the petal addition 3. D0500 is called
Alternate Flow of events	2.1 **Admin selects to reject the petal** addition 2.2 **D0600 is called**
Initial UI design	 9:00 Rosey Outlook Home Influencers Petals Username Sort by: Never stop trying. Never stop believing. Never give up. Your day will come. Username Username Use case D0400 is invoked. Can be sorted from oldest to newest or vice versa. Use case D0500 is called. Use case D0600 is called.

Use Case ID	**Use Case Name**	
D0500	Approve Petal	
Primary Business Actors		**Other participating Actors**
Admin		
Description	The admin accept/ adds the new petal’s addition to the influencers garden.	
Pre-Conditions	Influencer has uploaded a petal that’s waiting for approval or to be denied.	
Triggers	Called from D0400	
Post-Conditions	Influencer has a new petal in their garden.	
Basic Flow of Events	1. Admin reviews the Petal. 2. Admin accepts the Petal.	

	3. System removes Petal from list to be reviewed by admin. 4. Return to step 1 of D0400
Initial UI Design	 9:00 Rosey Outlook Home Influencers Petals Username Sort by: Username Username Never stop trying. Never stop believing. Never give up. Your day will come. Use case D0500 is invoked.

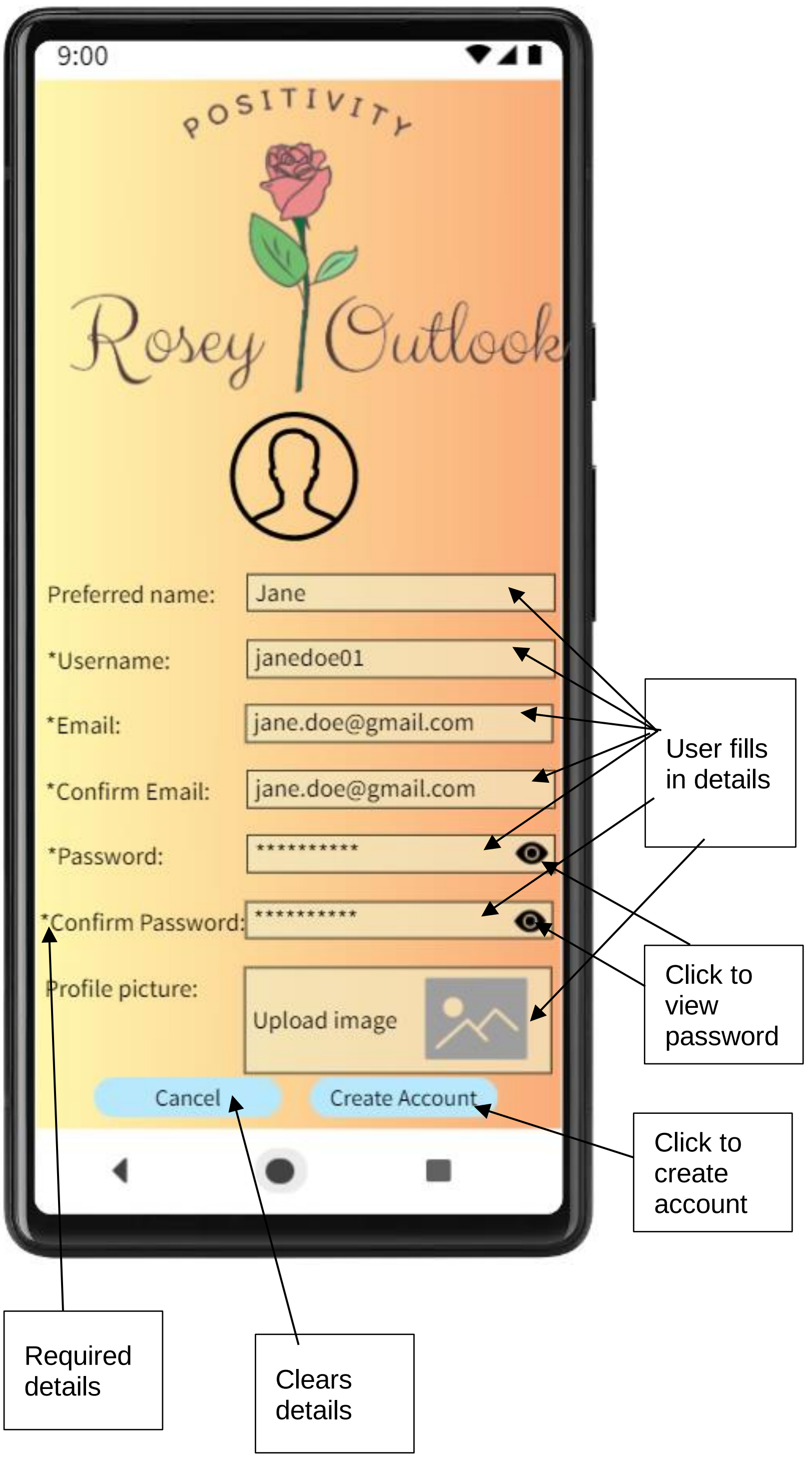
Use Case ID	**Use Case Name**
D0600	Reject Petal
Primary Business Actors	**Other participating Actors**
Admin	
Description	The admin denies the new petal's addition to the influencers garden.
Pre-Conditions	Influencer has uploaded a petal that's waiting for approval or to be denied.
Triggers	Called from D0400
Post-Conditions	New flower is not added to the Garden.
Basic Flow of Events	1. Admin reviews the Petal. 2. Admin rejects the addition. 3. System removes Petal from list to be reviewed by admin. 4. Return to step 1 of D0400

Initial UI Design	 9:00 Rosey Outlook Home Influencers Petals Username Sort by: Username Username Never stop trying. Never stop believing. Never give up. Your day will come. Use case D0600 is invoked.

2.3.2 Designed by Ganeefa Sirkhotte

Use Case ID	Use Case Name
A0100	Register Account
Primary Business Actors	**Other participating Actors**
Public	
Description	This use case describes the process of registering a new account on the system.
Pre-Conditions	Public must not already have an existing account with the same details.
Triggers	Opening the application for the first time
Post-Conditions	Public will have registered an account.
Basic Flow of Events	1. System displays the Register Account page. 2. User enters their preferred name. 3. User enters their desired username. 4. System checks that there is no existing account with the same username. 5. User enters their email address. 6. System checks that both email addresses are exactly the same. 7. User enters their password twice. 8. System checks that both passwords are exactly the same. 9. User clicks create account. 10. System checks that all details are filled in. 11. System displays homepage.
Alternate Flow of Events	4.1 Check fails, system displays error. 4.2 Returns to step 3 in basic flow. 6.1 Check fails, system displays error. 6.2 Returns to step 5 in basic flow. 8.1 Check fails, system displays error. 8.2 Return to step 7 in basic flow. 9.1 User clicks cancel. 9.2 All details filled in by the user is removed. 9.3 Return to step 1. 10.1 Check fails, system displays error. 10.2 Return to applicable step in the basic flow according to what was left out.

Initial UI design



Preferred name: Jane

*Username: janedoe01

*Email: jane.doe@gmail.com

*Confirm Email: jane.doe@gmail.com

*Password: **********

*Confirm Password: **********

Profile picture: Upload image

User fills in details

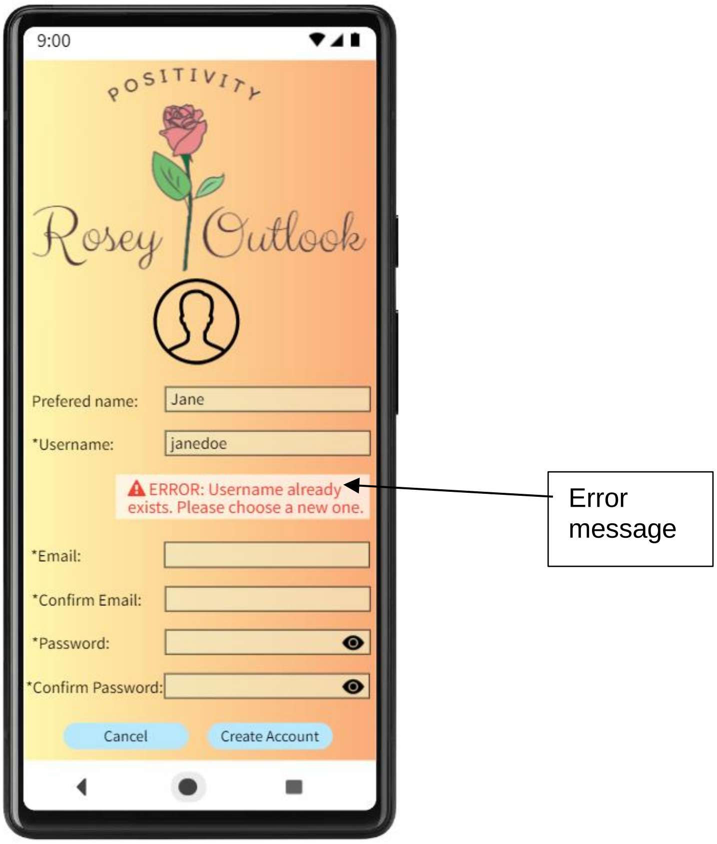
Click to view password

Click to create account

Required details

Clears details

4.1 (Username already exists)



Prefered name: Jane

*Username: janedoe

⚠ ERROR: Username already exists. Please choose a new one.

*Email:

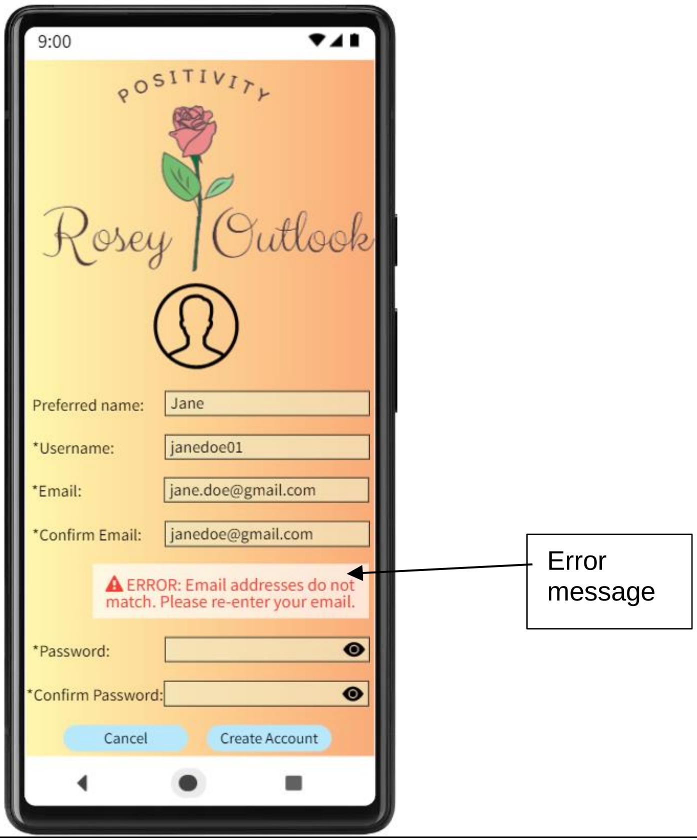
*Confirm Email:

*Password:

*Confirm Password:

Error message

6.1 (emails do not match)



Preferred name: Jane

*Username: janedoe01

*Email: jane.doe@gmail.com

*Confirm Email: janedoe@gmail.com

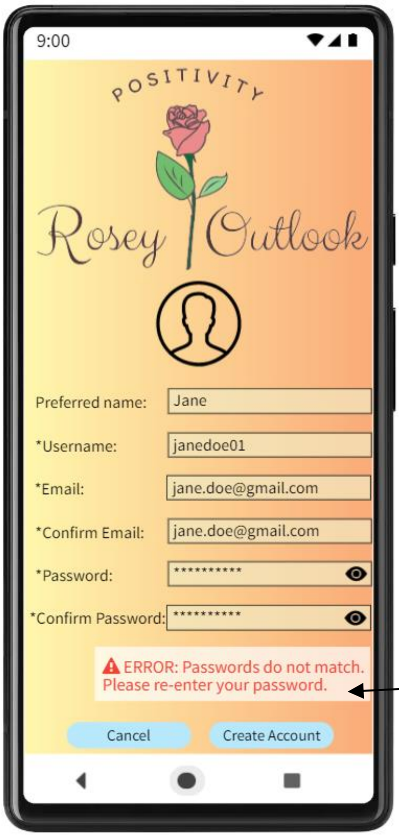
⚠ ERROR: Email addresses do not match. Please re-enter your email.

*Password:

*Confirm Password:

Error message

8.1 (Password do not match)



Preferred name: Jane

*Username: janedoe01

*Email: jane.doe@gmail.com

*Confirm Email: jane.doe@gmail.com

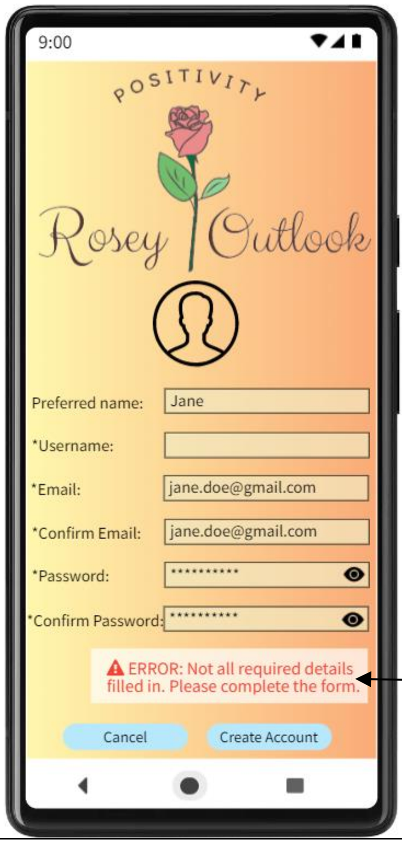
*Password: **********

*Confirm Password: **********

ERROR: Passwords do not match. Please re-enter your password.

Error message

10.1 (Not all details filled in)



Preferred name: Jane

*Username:

*Email: jane.doe@gmail.com

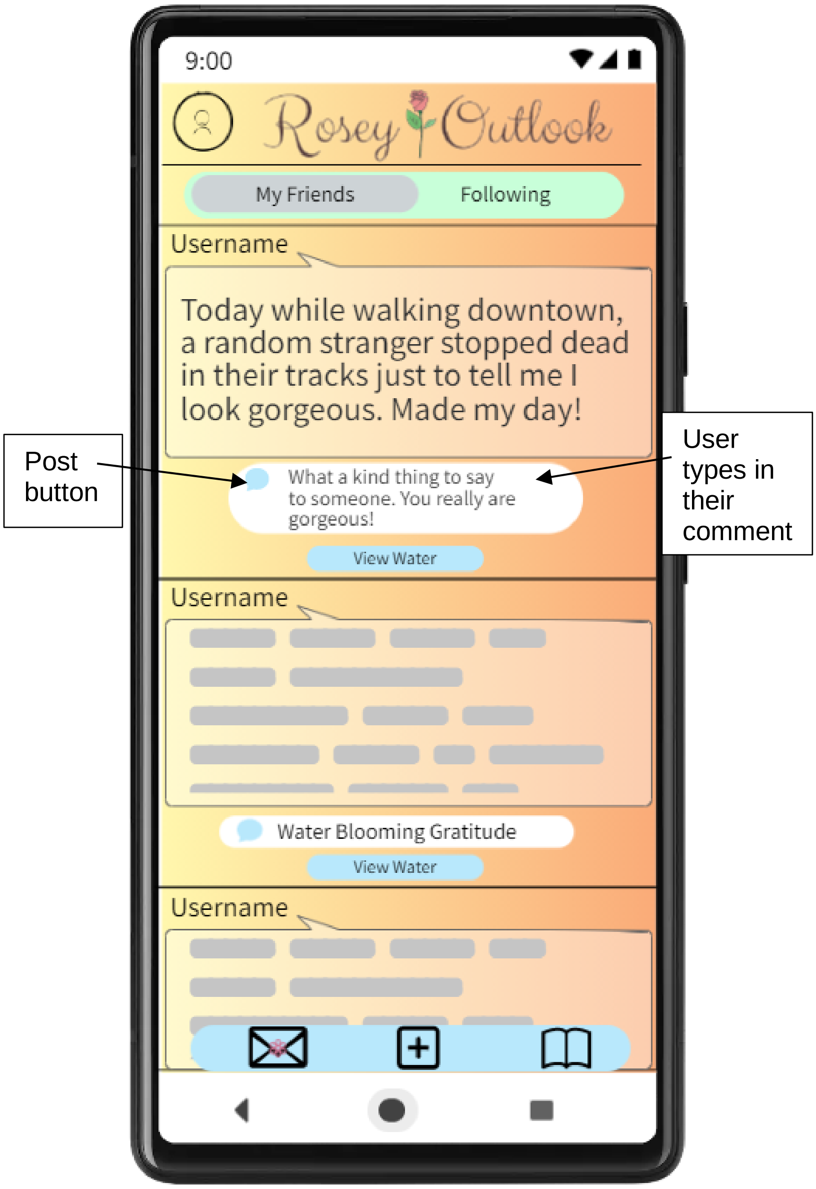
*Confirm Email: jane.doe@gmail.com

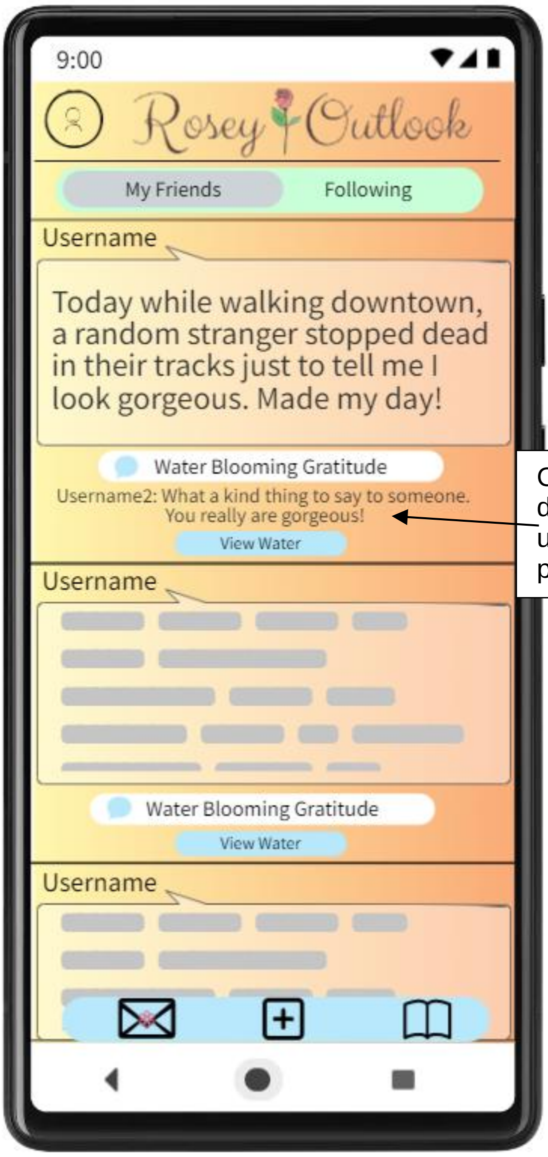
*Password: **********

*Confirm Password: **********

ERROR: Not all required details filled in. Please complete the form.

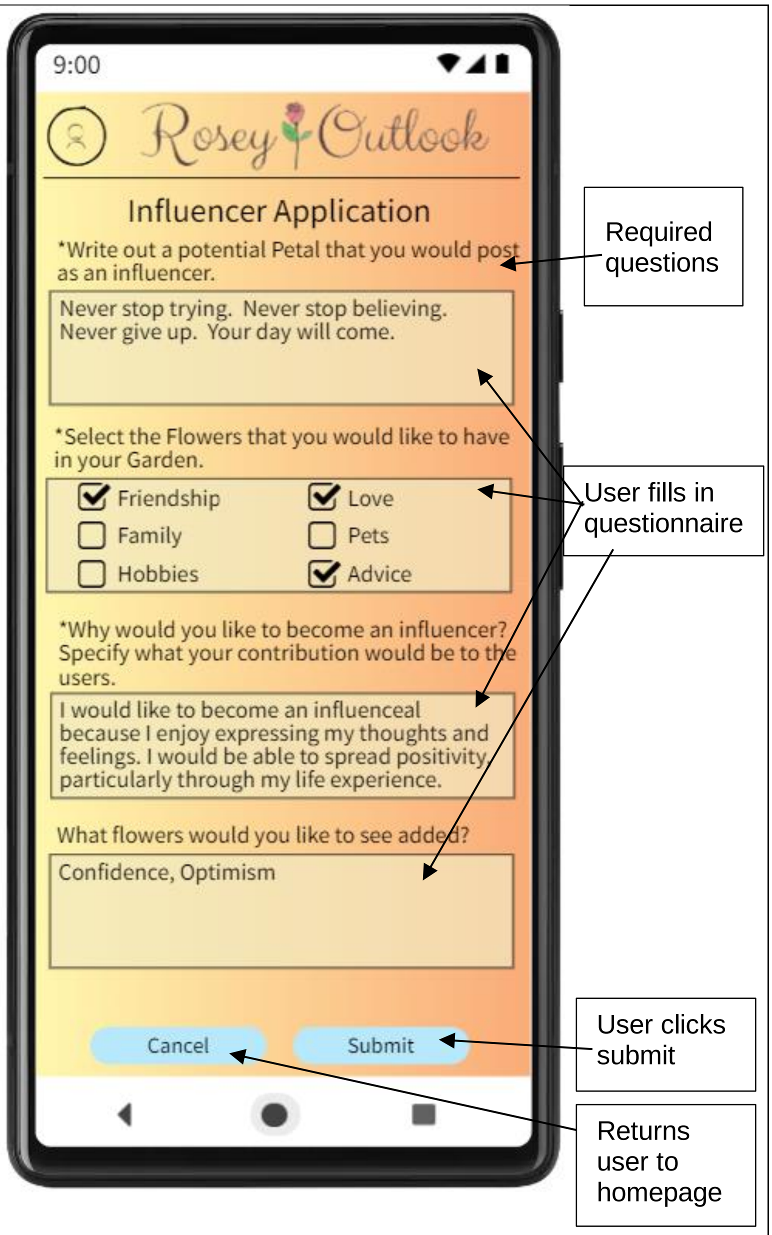
Error message

Use Case ID	Use Case Name	
A0300	Water Post	
Primary Business Actors		**Other participating Actors**
Public		Influencer
Description	This use case describes the process of a user commenting on a post, such as a Petal, Rosebud or Blooming Gratitude, after viewing it.	
Pre-Conditions	The user has to be viewing a post.	
Triggers	Called from A1300/A1400/A1600	
Post-Conditions	The user will have left a comment on the post. This comment is then stored.	
Basic Flow of Events	1. User types in their comment. 2. User presses the post button. 3. System displays their comment under the post. 4. Return to calling use case	
Initial UI design	 Username Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! What a kind thing to say to someone. You really are gorgeous! Username Water Blooming Gratitude Username 9:00 Rosey Outlook My Friends Following View Water View Water Post button User types in their comment	

	After the comment has been posted:  9:00 Rosey Outlook My Friends Following Username Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! Username2: What a kind thing to say to someone. You really are gorgeous! View Water Username Water Blooming Gratitude View Water Username Comment displayed under post

Use Case ID	**Use Case Name**
A0400	Submit Influencer Application
Primary Business Actors	**Other participating Actors**
Public	
Description	A Public user would like to become an influencer and send an application to be an influencer.
Pre-Conditions	Public needs to already have a registered account.
Triggers	Called from A1700.
Post-Conditions	An application to be an influencer has been submitted.
Basic Flow of Events	1. Display questionnaire 2. Fill in questionnaire 3. User clicks the submit button to Submit their application. 4. System checks if all required questions are answered. 5. System enable “View Outcomes” option
Alternate Flow of Events	3.1 User clicks cancel. 3.2 System returns user to most recently visited page. 4.1 Check fails, system displays an error message. 4.2 Return to Step 2.

Initial UI design



Influencer Application

*Write out a potential Petal that you would post as an influencer.

Never stop trying. Never stop believing. Never give up. Your day will come.

*Select the Flowers that you would like to have in your Garden.

☑ Friendship ☑ Love
□ Family □ Pets
□ Hobbies ☑ Advice

*Why would you like to become an influencer? Specify what your contribution would be to the users.

I would like to become an influenceal because I enjoy expressing my thoughts and feelings. I would be able to spread positivity, particularly through my life experience.

What flowers would you like to see added?

Confidence, Optimism

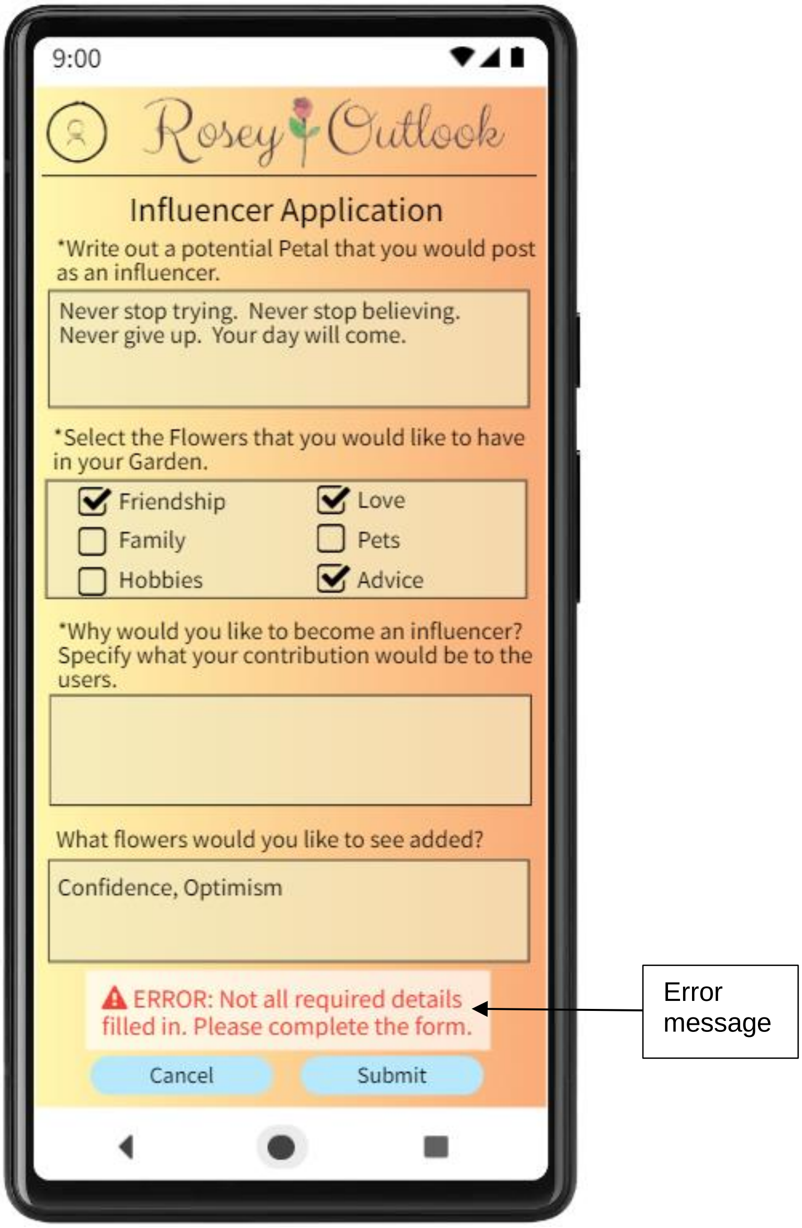
Required questions

User fills in questionnaire

User clicks submit

Returns user to homepage

4.1 (Not all required questions answered)



9:00

Rosey Outlook

Influencer Application

*Write out a potential Petal that you would post as an influencer.

Never stop trying. Never stop believing.
Never give up. Your day will come.

*Select the Flowers that you would like to have in your Garden.

☑ Friendship	☑ Love
□ Family	□ Pets
□ Hobbies	☑ Advice

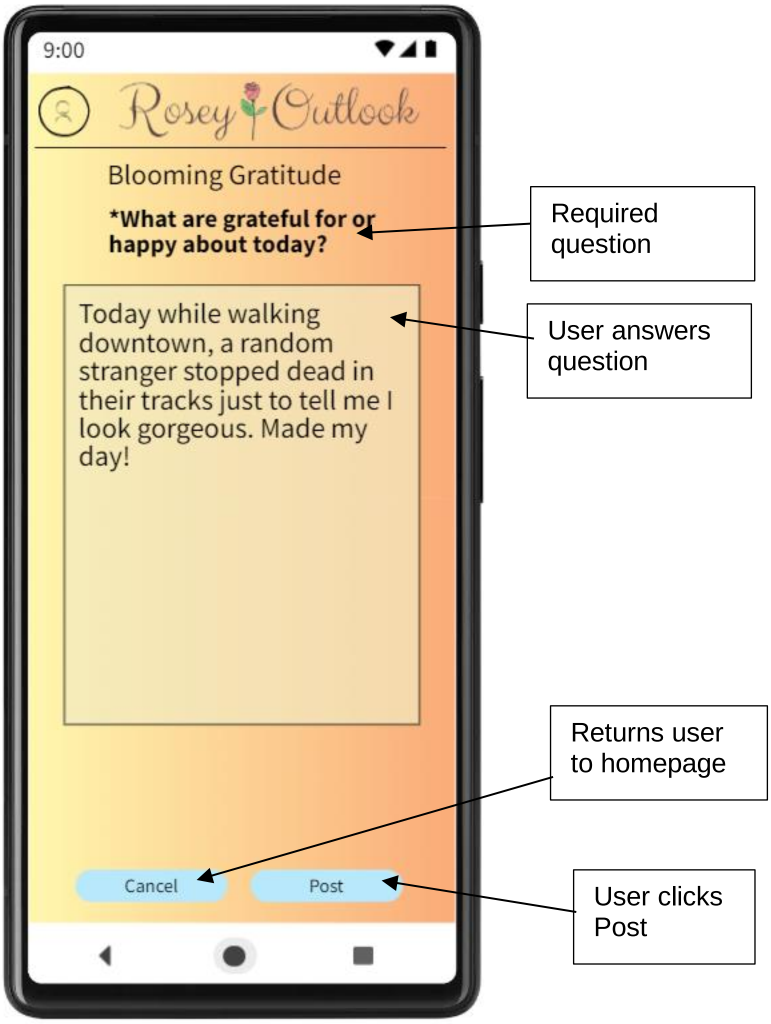
*Why would you like to become an influencer? Specify what your contribution would be to the users.

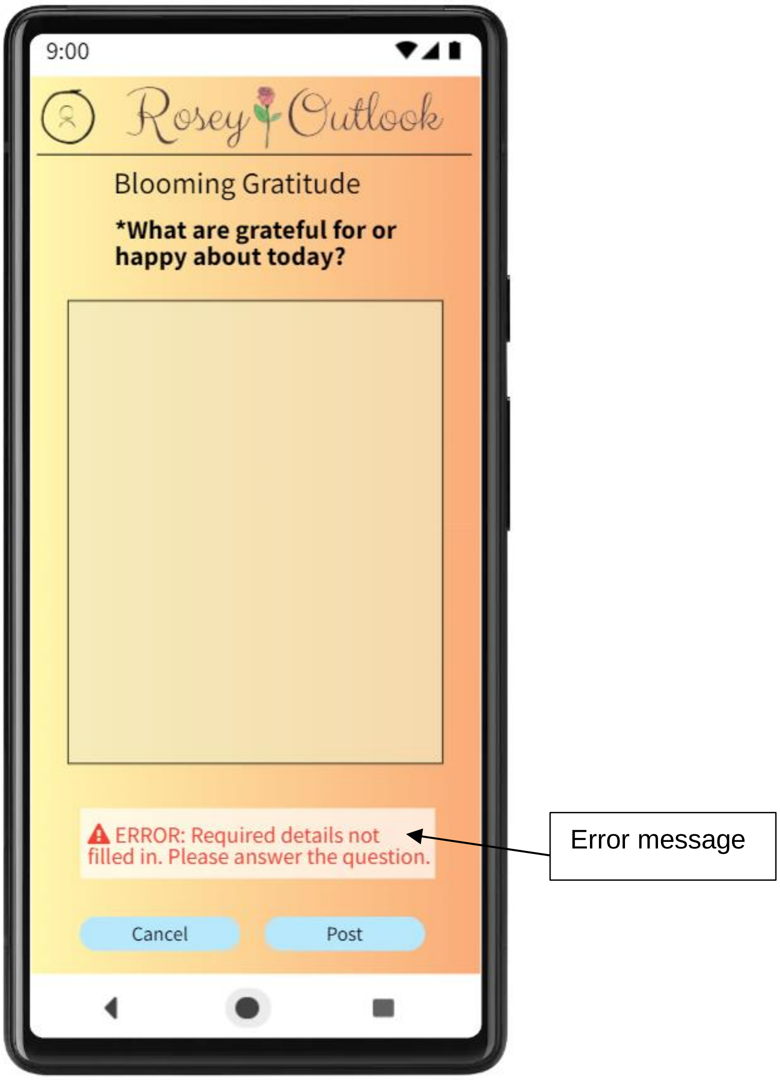
What flowers would you like to see added?

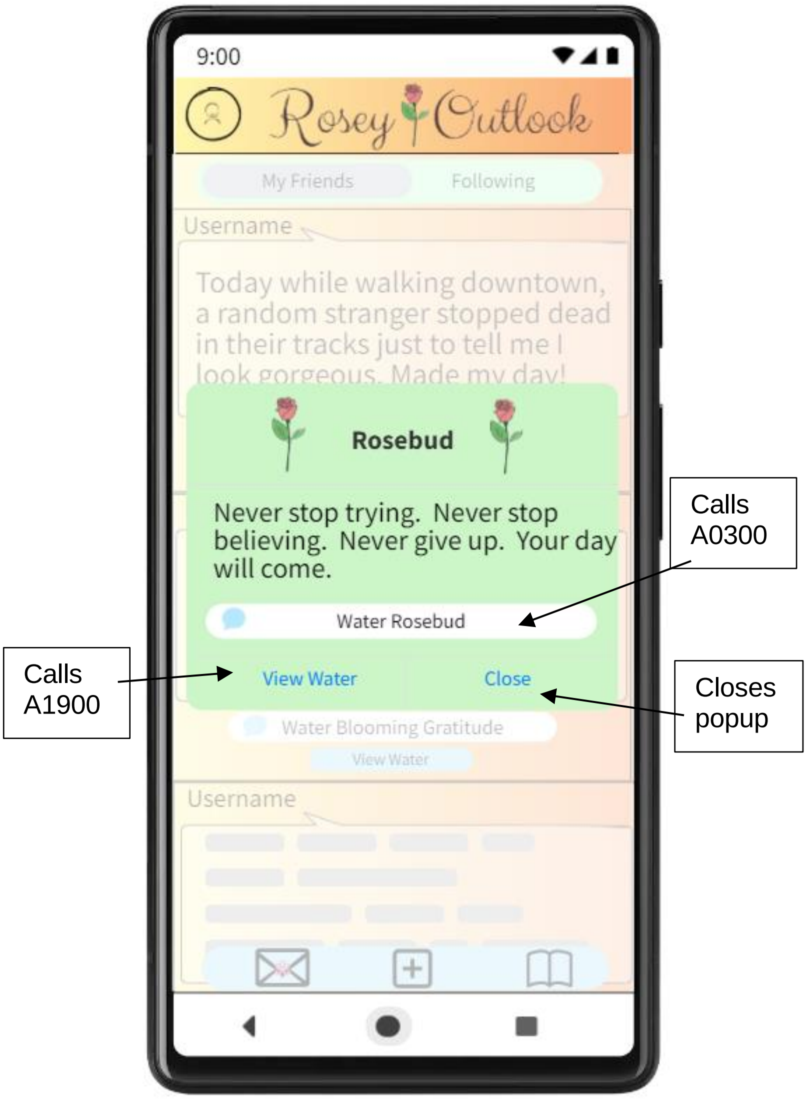
Confidence, Optimism

⚠ ERROR: Not all required details filled in. Please complete the form.

Error message

Use Case ID	Use Case Name
A0500	Answer Blooming Gratitude
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of a user answering the prompt for what they are grateful for or happy about on that day.
Pre-Conditions	C0100 must have been invoked for the day (after 14:00) The user must not have already answered Blooming Gratitude for that day.
Triggers	Clicking the Blooming Gratitude button.
Post-Conditions	The user will have posted what they are grateful for.
Basic Flow of Events	1. System displays the prompt. 2. User types in what they are grateful or happy for. 3. User presses the post button. 4. System checks if all required questions are answered. 5. The system displays Blooming Gratitudes that were posted by the user's friends on that day and hides what their friends posted the previous day.
Alternate Flow of Events	3.1 User clicks cancel button. 3.2 System returns user to homepage. 4.1 Check fails, system displays an error message. 4.2 Return to Step 2.
Initial UI design	 Blooming Gratitude *What are grateful for or happy about today? Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! 9:00 Rosey Outlook Cancel Post Required question User answers question Returns user to homepage User clicks Post

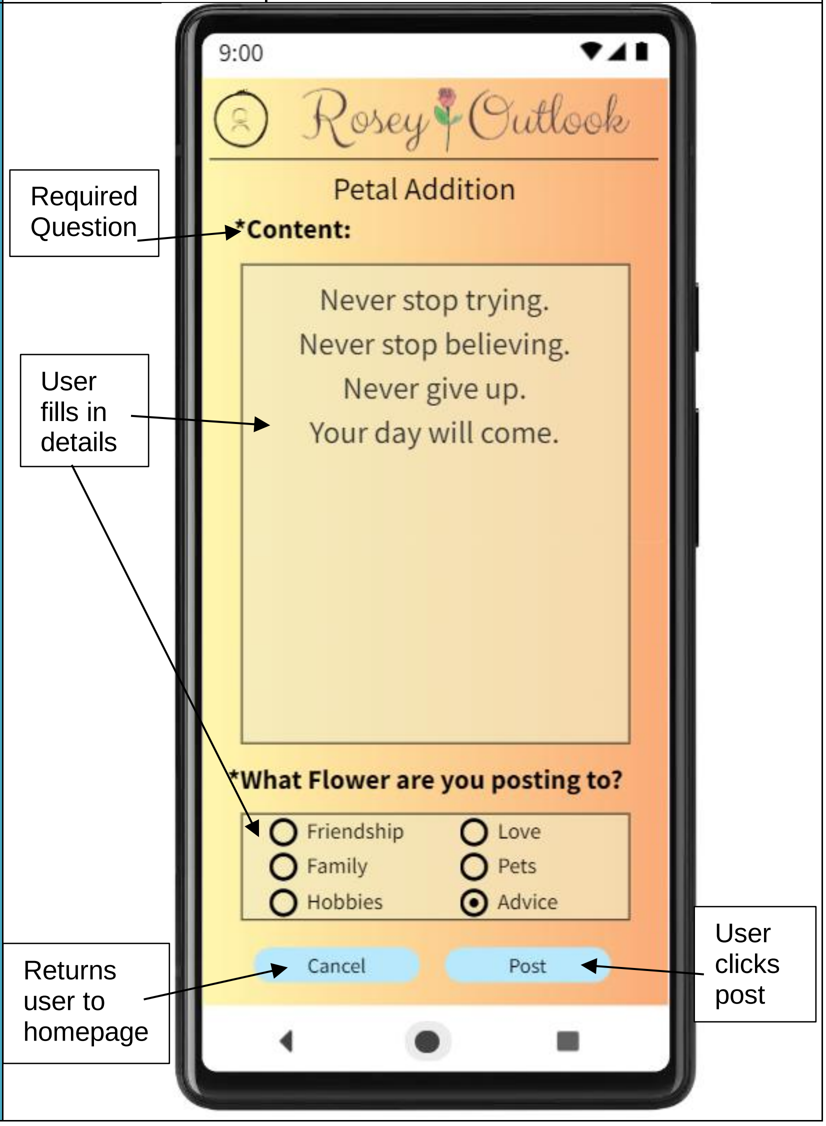
	4.1 (Not all required questions answered)  9:00 Rosey Outlook Blooming Gratitude *What are grateful for or happy about today? ⚠ ERROR: Required details not filled in. Please answer the question.

Use Case ID	**Use Case Name**
A1300	View Rosebud
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of viewing the Rosebud that was sent by the system in C0200.
Pre-Conditions	User has an existing account.
Triggers	User clicks Rosebud button/ User opens app for the first time since a new rosebud was posted (invoked by C0200).
Post-Conditions	The user can view the new Rosebud for the day.
Basic Flow of Events	1. System displays the Rosebud as a pop up. 2. User selects Water Post 3. Call A0300
Alternate Flow of Events	2.1.1 User clicks View Water 2.1.2 Call A1900 2.2.1 User clicks close. 2.2.2 System closes popup.
Initial UI design	

Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

Rosebud

Never stop trying. Never stop believing. Never give up. Your day will come.

Use Case ID	**Use Case Name**
B0100	Add Petal
Primary Business Actors	**Other participating Actors**
Influencer	
Description	The influencer wants to add a new flower to their garden. They add what they would like to post, and it gets sent to the admins to get it reviewed(D0400).
Pre-Conditions	User needs to be an influencer. Influencer needs to be on their homepage.
Triggers	Influencer clicks the post button to add a flower.
Post-Conditions	Influencer has potentially added flower.
Basic Flow of Events	1. System displays questions. 2. User adds what they would like to post. 3. User clicks the post button. 4. System checks if all required questions are answered. 5. System enables Outcome option
Alternate Flow of Events	3.1 User clicks cancel button. 3.2 System returns user to homepage. 4.1 Check fails, system displays an error message. 4.2 Return to Step 2.
Initial UI design	

Required Question

User fills in details

Returns user to homepage

User clicks post

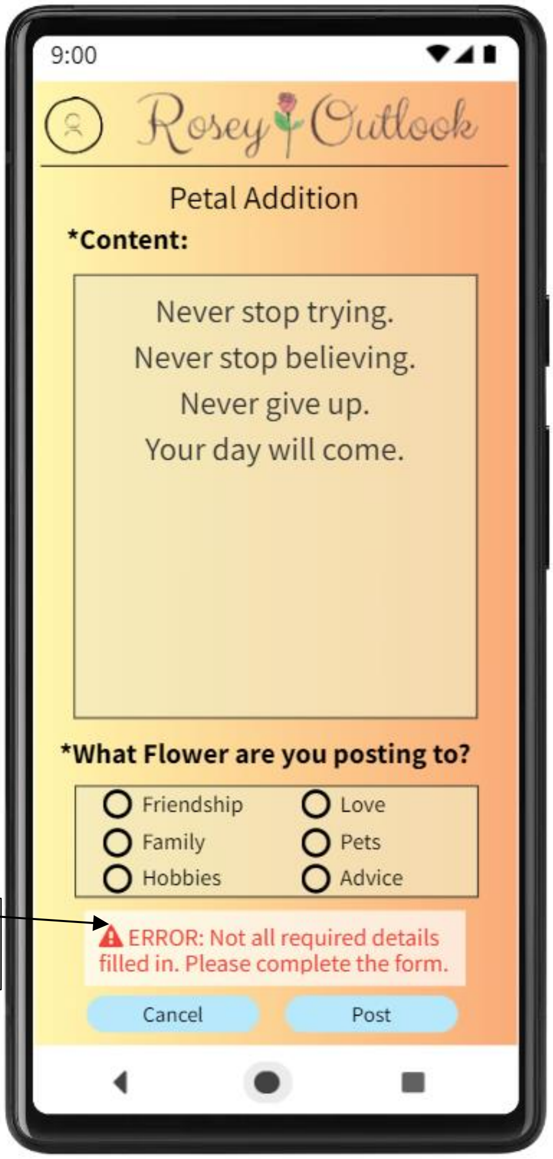
*Content:

Never stop trying.
Never stop believing.
Never give up.
Your day will come.

*What Flower are you posting to?

○ Friendship ○ Love
○ Family ○ Pets
○ Hobbies ● Advice

4.1 (Not all required questions answered)



9:00

Rosey Outlook

Petal Addition

***Content:**

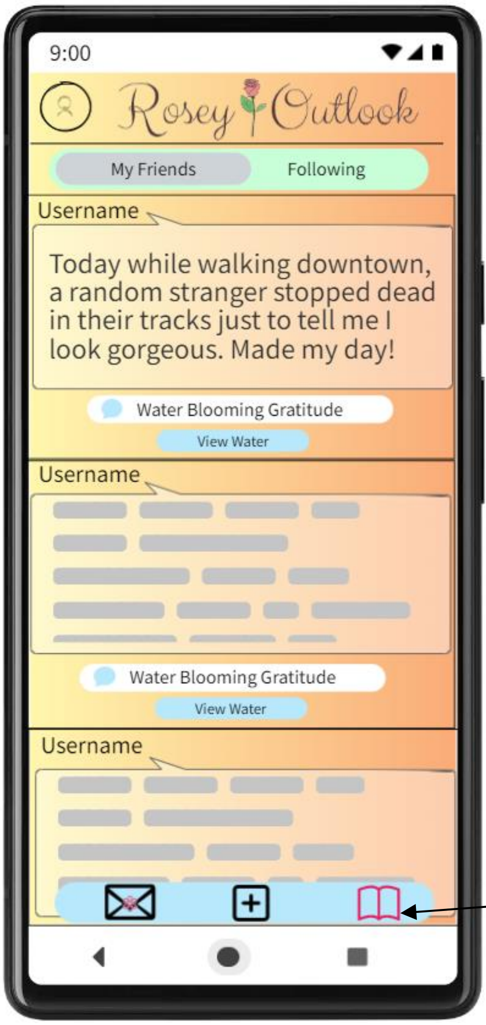
Never stop trying.
Never stop believing.
Never give up.
Your day will come.

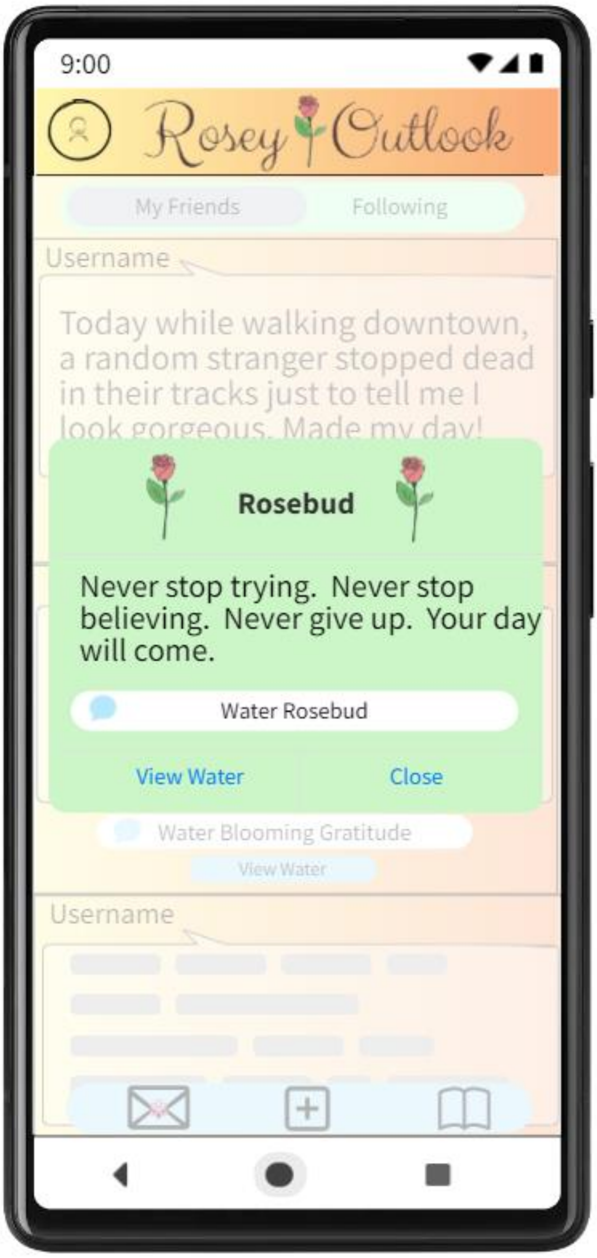
***What Flower are you posting to?**

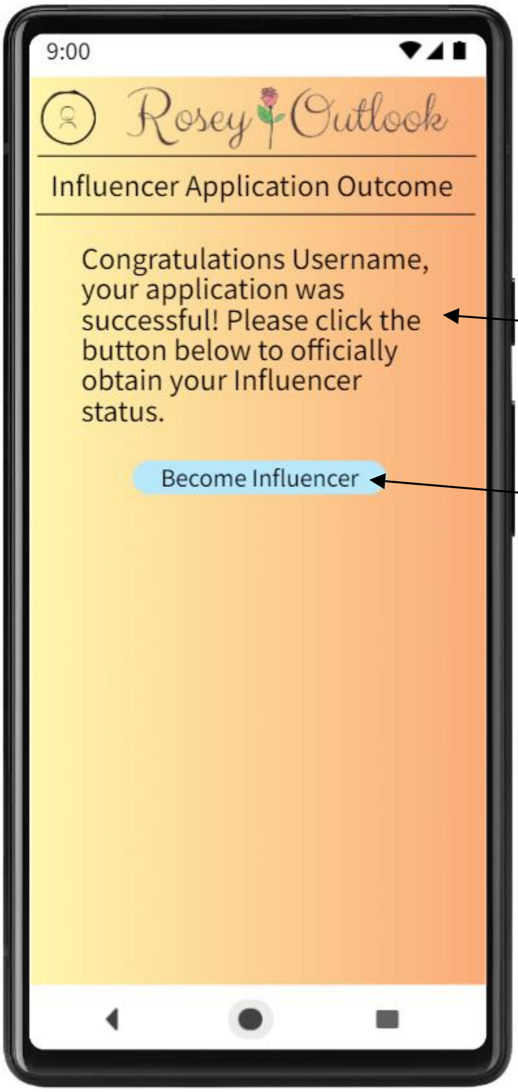
○ Friendship ○ Love
○ Family ○ Pets
○ Hobbies ○ Advice

⚠ ERROR: Not all required details filled in. Please complete the form.

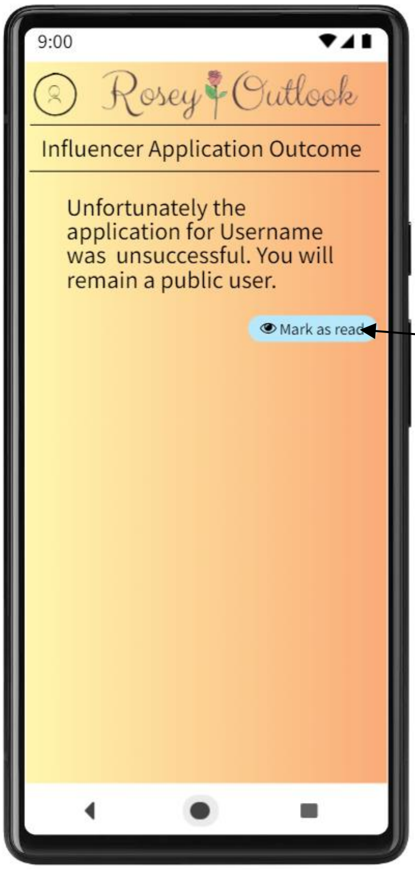
Error message

Use Case ID	Use Case Name	
C0100	Prompt Blooming Gratitude	
Primary Business Actors		Other participating Actors
Time		
Description	This use case describes the process of the system prompting the user to answer Blooming Gratitude.	
Pre-Conditions	At least one account has been registered.	
Triggers	This occurs automatically at 14:00.	
Post-Conditions	A new Blooming Gratitude prompt will be available to users to answer.	
Basic Flow of Events	1. The system sends the Blooming Gratitude prompt to users. 2. The Blooming Gratitude Button on the homepage changes colour from black to pink.	
Initial UI design	 9:00 Rosey Outlook My Friends Following Username Water Blooming Gratitude View Water Username Water Blooming Gratitude View Water Username Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! Blooming Gratitude Button	

Use Case ID	Use Case Name
C0200	Post Rosebud
Primary Business Actors	**Other participating Actors**
Time	
Description	This use case describes the process of the system posting a Rosebud.
Pre-Conditions	At least one account has been registered. There is at least one Rosebud stored in the system.
Triggers	This occurs automatically at 00:00.
Post-Conditions	A new Rosebud will be available for users to view.
Basic Flow of Events	1. The system sends the Rosebud to users as a pop up.
Initial UI design	 Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! Never stop trying. Never stop believing. Never give up. Your day will come.

Use Case ID	**Use Case Name**
A0800	View Application Outcome
Primary Business Actors	**Other participating Actors**
Public	
Description	User checks to see if their influencer application is approved or denied.
Pre-Conditions	User would have had to applied to be an influencer.
Triggers	User clicks on the become influencer button.
Post-Conditions	User would have viewed the application outcome.
Basic Flow of Events	1. User would then click on the View Outcomes option. 2. The application outcome will be displayed. 3. The application was successful, and the user clicks the Become Influencer button. 4. The user is now switched over to the influencer version of the app.
Alternate Flow of Events	3.1.1 The application was unsuccessful. 3.1.2 The user clicks the Mark as read button. 3.1.3 System disables "View Outcome" option. 3.2.1 The application is still being processed.
Initial UI design	3. Successful application  Influencer Application Outcome Congratulations Username, your application was successful! Please click the button below to officially obtain your Influencer status. Outcome displayed Normal user account becomes Influencer account

3.1.1 Unsuccessful application

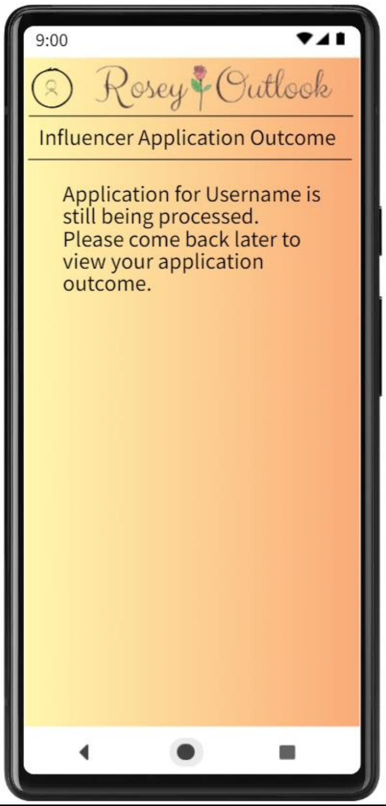


Influencer Application Outcome

Unfortunately the application for Username was unsuccessful. You will remain a public user.

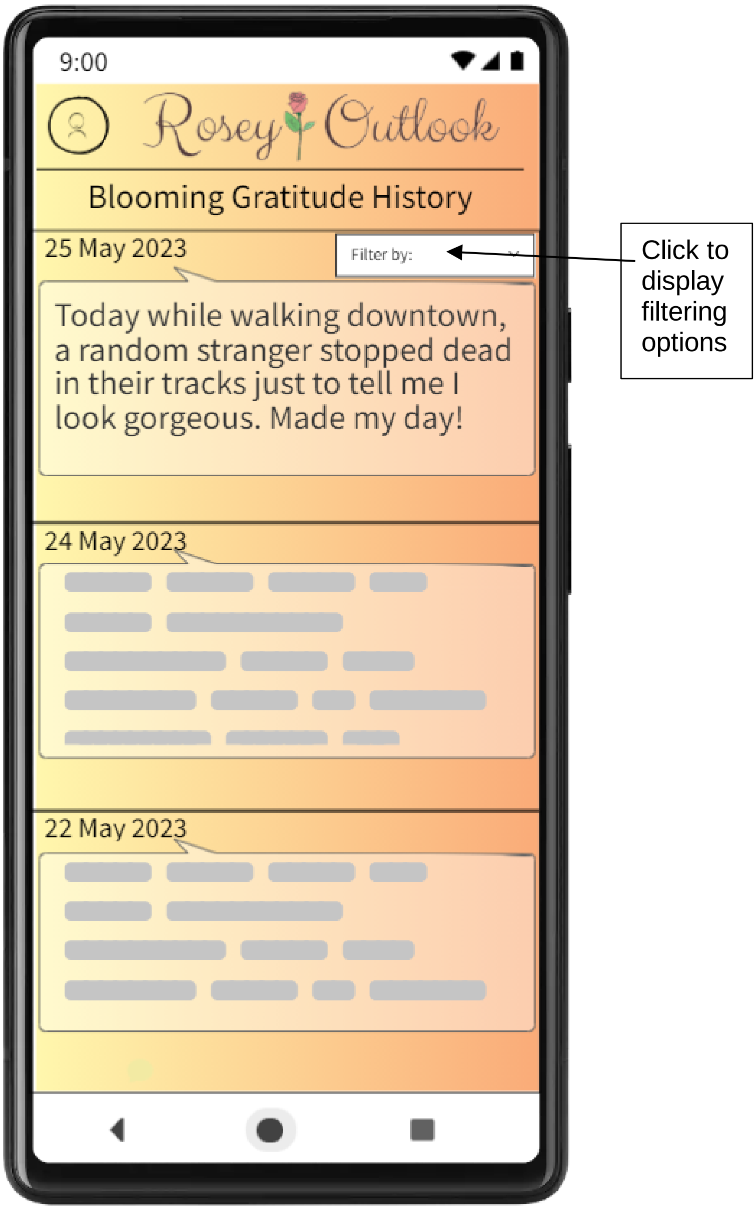
User acknowledges outcome and does not need to view it again

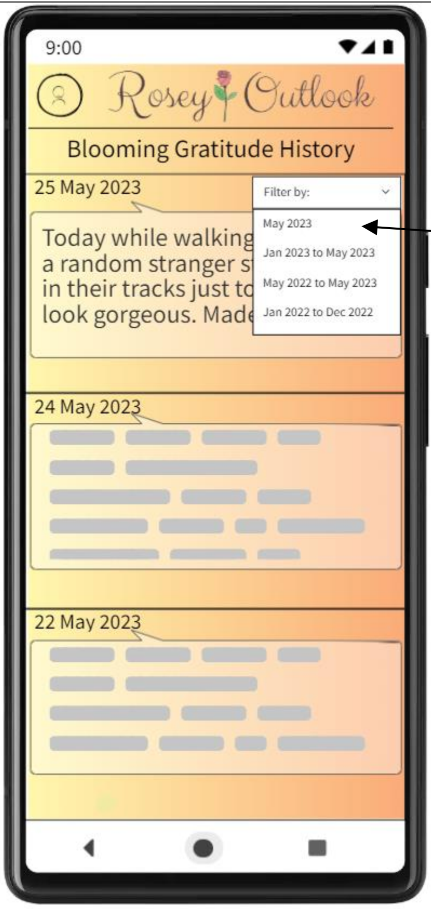
3.2.1 Unprocessed application



Influencer Application Outcome

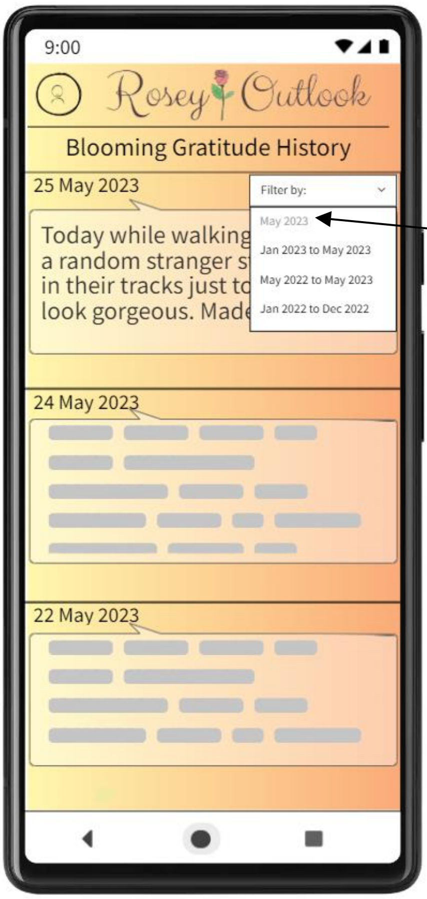
Application for Username is still being processed. Please come back later to view your application outcome.

Use Case ID	**Use Case Name**
A1100	View Gratitude History
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of a user being able to view all the Blooming Gratitude posts that they have made.
Pre-Conditions	User has answered at least one Blooming Gratitude (A0500).
Triggers	Called from A1700.
Post-Conditions	Every answer that the user has posted to Blooming Gratitude is displayed.
Basic Flow of Events	1. The system displays the user's entire history of answers to Blooming Gratitude(by default will be sorted by date). 2. User clicks filter by. 3. System displays filtering options. 4. User selects options. 5. System displays Blooming Gratitude posts within the selected date range.
Initial UI design	 9:00 Rosey Outlook Blooming Gratitude History 25 May 2023 Filter by: 24 May 2023 22 May 2023 Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! Click to display filtering options



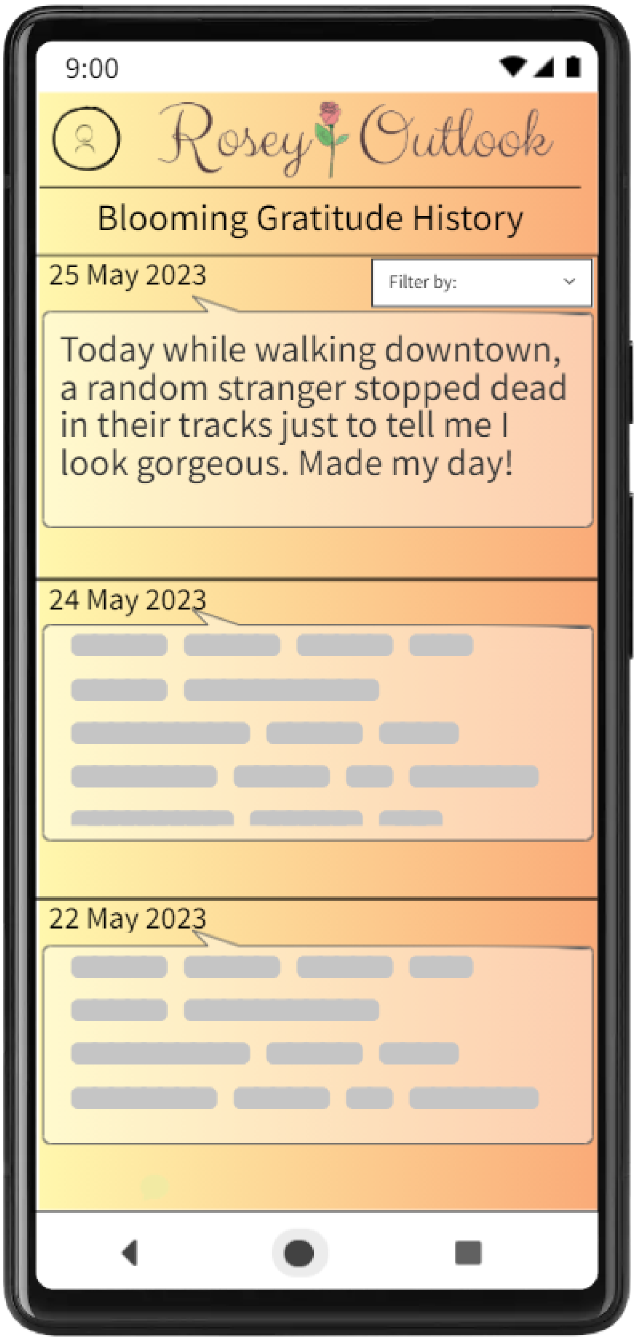
Today while walking a random stranger s in their tracks just to look gorgeous. Made

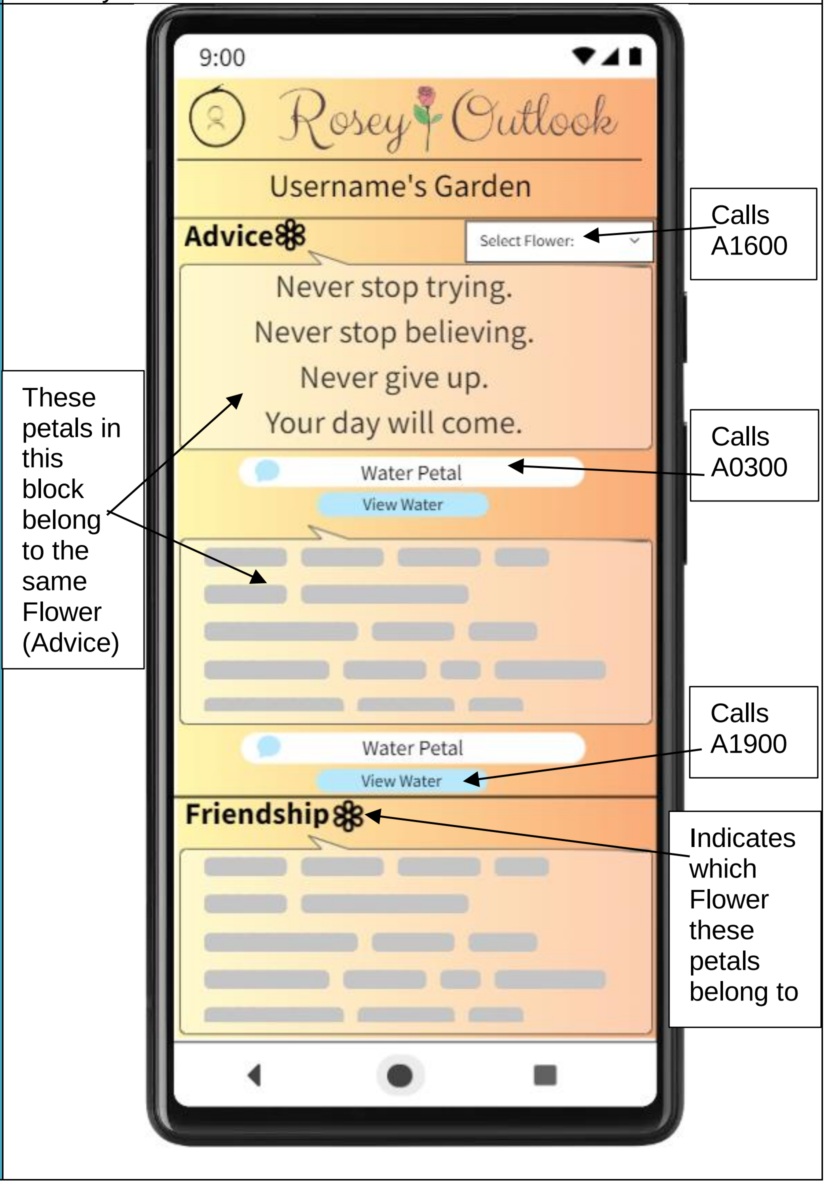
Filtering options

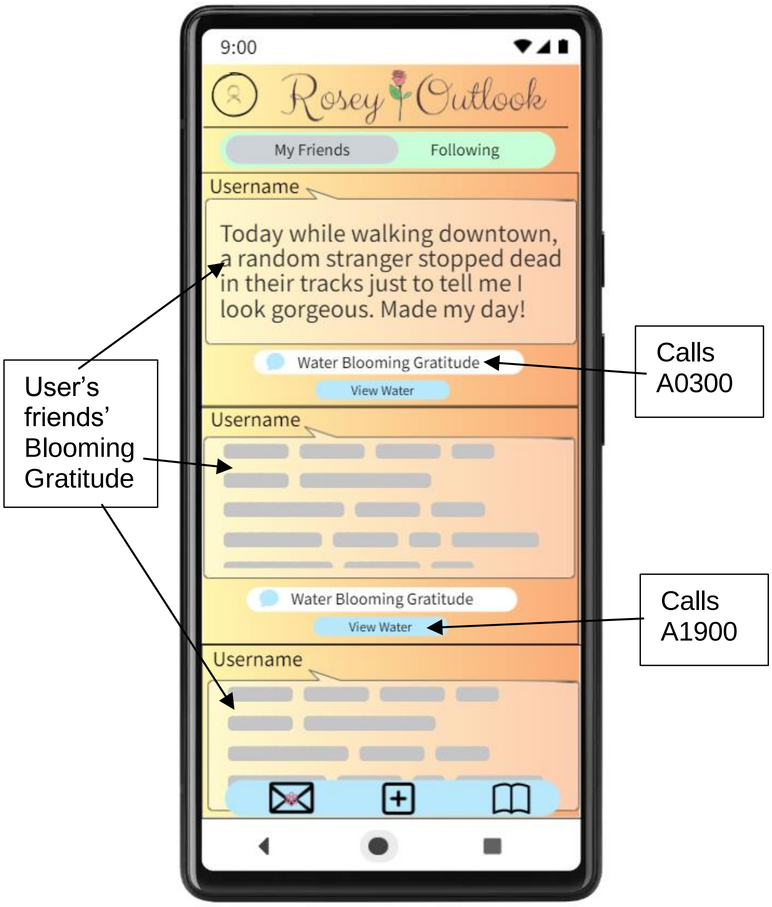


Today while walking a random stranger s in their tracks just to look gorgeous. Made

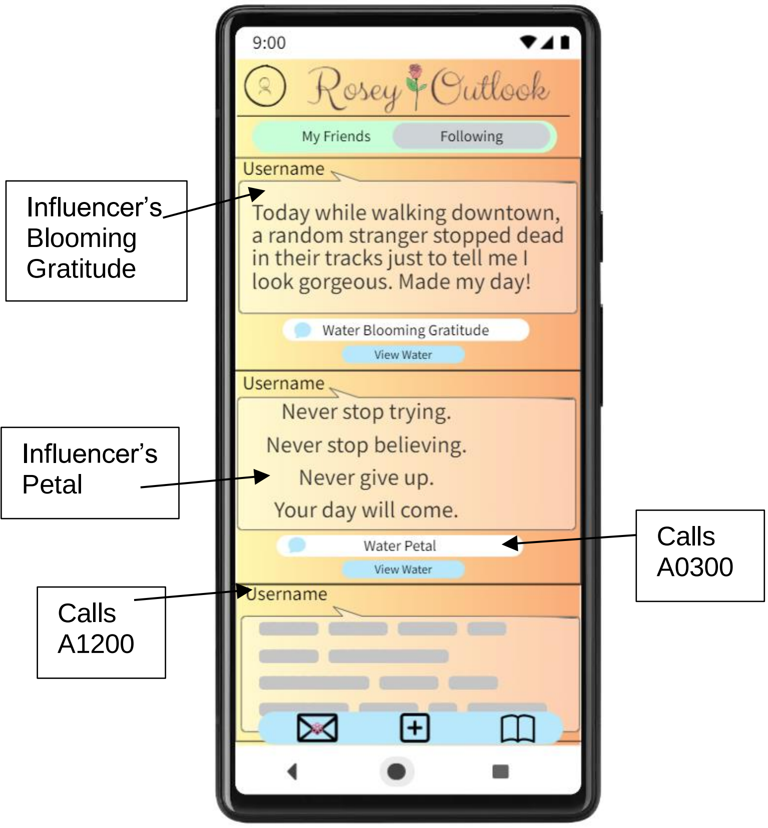
User selects option

	Filter has been applied  9:00 Rosey Outlook Blooming Gratitude History 25 May 2023 Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! 24 May 2023 22 May 2023

Use Case ID	Use Case Name
A1200	View Garden
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of viewing the garden of an influencer.
Pre-Conditions	The user is viewing posts under their influencers section of the application, or they are on the Following page.
Triggers	User clicks the Influencer's username, invoked by A1800/A1400.
Post-Conditions	The garden of a specific influencer will be displayed.
Basic Flow of Events	1. The system displays the Garden of the selected influencer. 2. User clicks Select Flower 3. A1600 is invoked.
Alternate Flow of Events	2.1.1 User clicks Water Petal. 2.1.2 System calls A0300 2.2.1 User clicks View Water. 2.2.2 System calls A1900.
Initial UI design	 9:00 Rosey Outlook Username's Garden Advice Select Flower: Never stop trying. Never stop believing. Never give up. Your day will come. Water Petal View Water Water Petal View Water Friendship Calls A1600 These petals in this block belong to the same Flower (Advice) Calls A0300 Calls A1900 Indicates which Flower these petals belong to

Use Case ID	Use Case Name
A1400	View Blooming Gratitude
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of viewing the Blooming Gratitude posted by all the user's friends or influencers they are following.
Pre-Conditions	The user must have already answered Blooming Gratitude for that day (A0500).
Triggers	User clicks the Friends or Following tab on their homepage. / User clicks View Gratitude from the Friends (invoked by A1500) or Following (invoked by A1800) pages
Post-Conditions	The user can view the Blooming Gratitude answers.
Basic Flow of Events	1. The system displays the Blooming Gratitude answers of either the user's friends or those they follow. 2. User selects one to water 3. Call A0300
Alternate Flow of Events	1.1 System displays the Blooming Gratitude of the selected user as a pop up. 1.2 Return to step 2. 2.1.1 User selects View Water 2.1.2 Call A1900 2.2.1 User clicks Close button. 2.2.2 System closes pop up and returns to calling use case. 2.3.1 User clicks on Influencer's username. 2.3.2 System calls A1200.
Initial UI design	Triggered by clicking Friends tab of the home page  9:00 Rosey Outlook My Friends Following Username Water Blooming Gratitude View Water Username Water Blooming Gratitude View Water Username User's friends' Blooming Gratitude Calls A0300 Calls A1900 Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

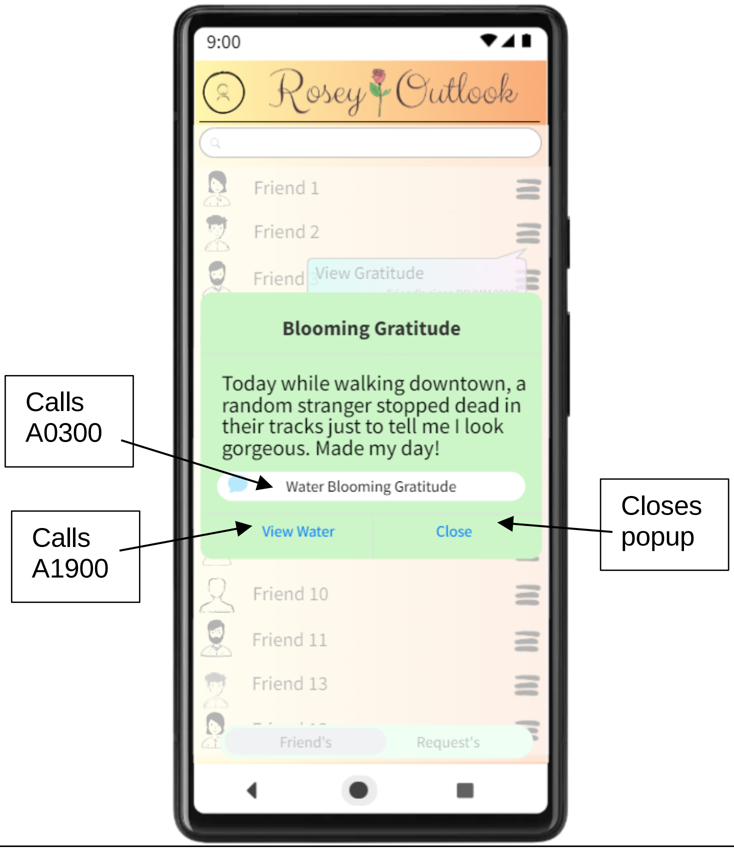
Triggered by clicking Following tab of the home page



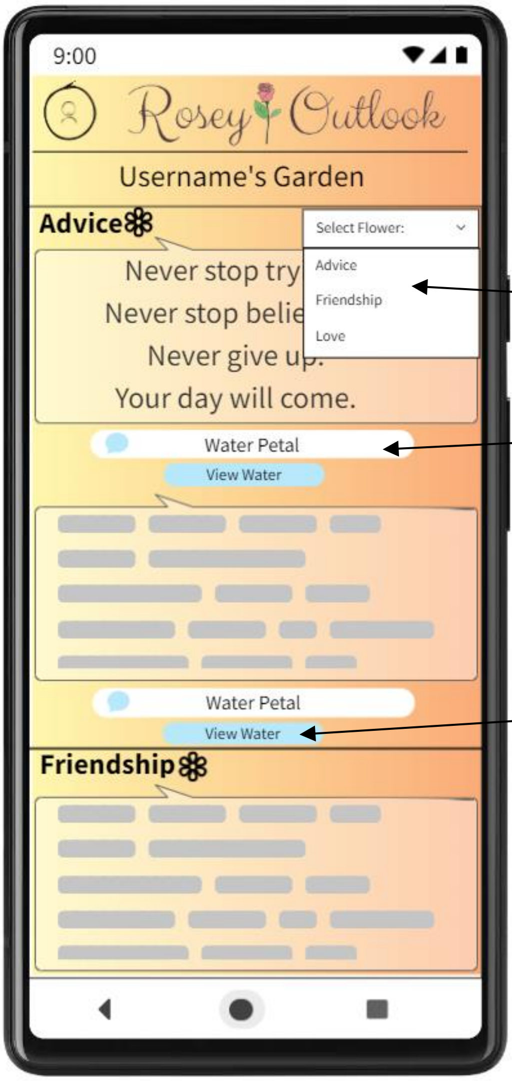
Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

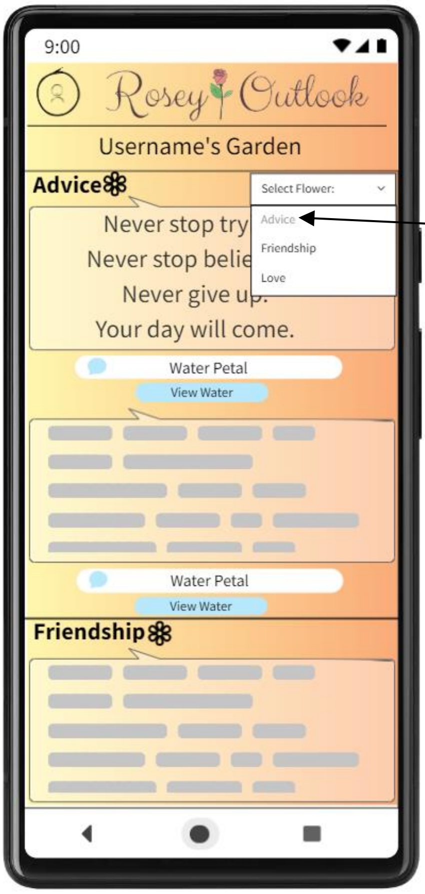
Never stop trying.
Never stop believing.
Never give up.
Your day will come.

Triggered by A1500/A1800



Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day!

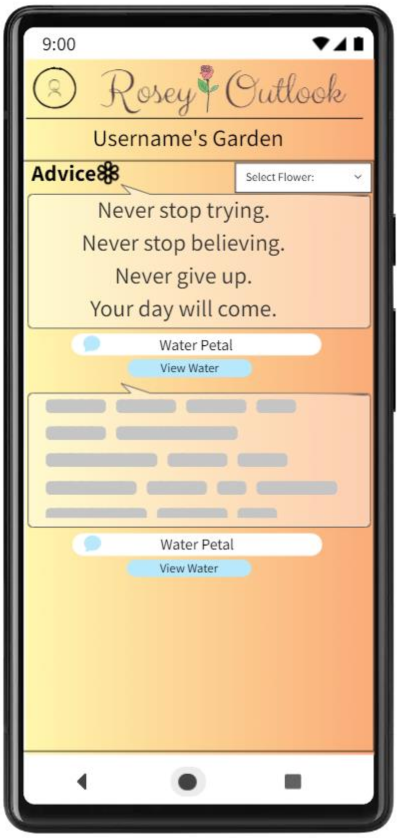
Use Case ID	Use Case Name
A1600	Select Flower
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	The user would go onto an influencers page and select the flower the user would like to view.
Pre-Conditions	User must have a registered account.
Triggers	User is viewing an influencer's Garden invoked by A1200.
Post-Conditions	Viewing the petals in the Influencers flower.
Basic Flow of Events	1. Systems displays which flowers are available in the specific influencer's Garden. 2. User would select a flower to view. 3. User would click on the flower. (User clicks apply filter) 4. User would now be able to view all the petals within the flower. 5. Select to Water Post 6. Call A0300
Alternate Flow of Events	5.1 User selects View Water 5.2 Call A1900
Initial UI design	 Never stop try Never stop belie Never give up. Your day will come. 9:00 Rosey Outlook Username's Garden Advice Select Flower: Advice Friendship Love Water Petal View Water Water Petal View Water Friendship Flowers that are in this Influencer's Garden Calls A0300 Calls A1900



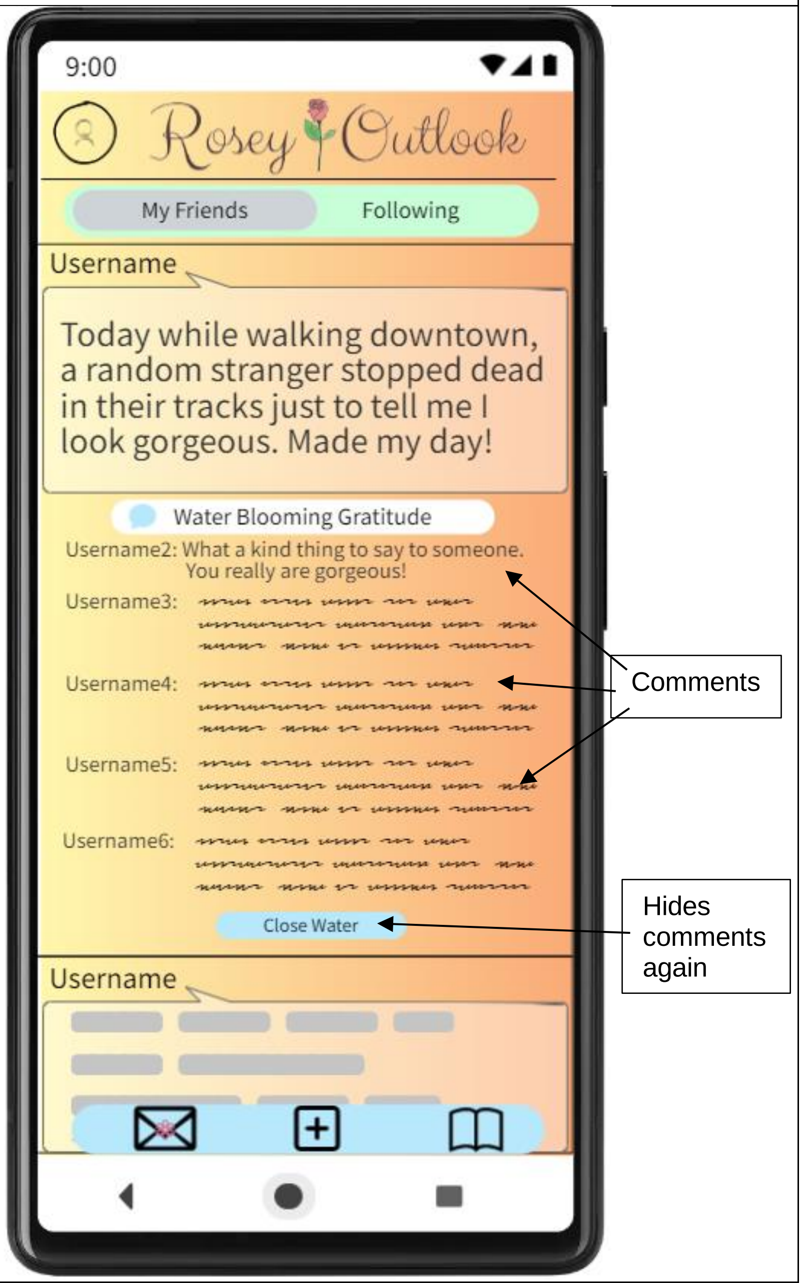
Never stop try
Never stop belie
Never give up.
Your day will come.

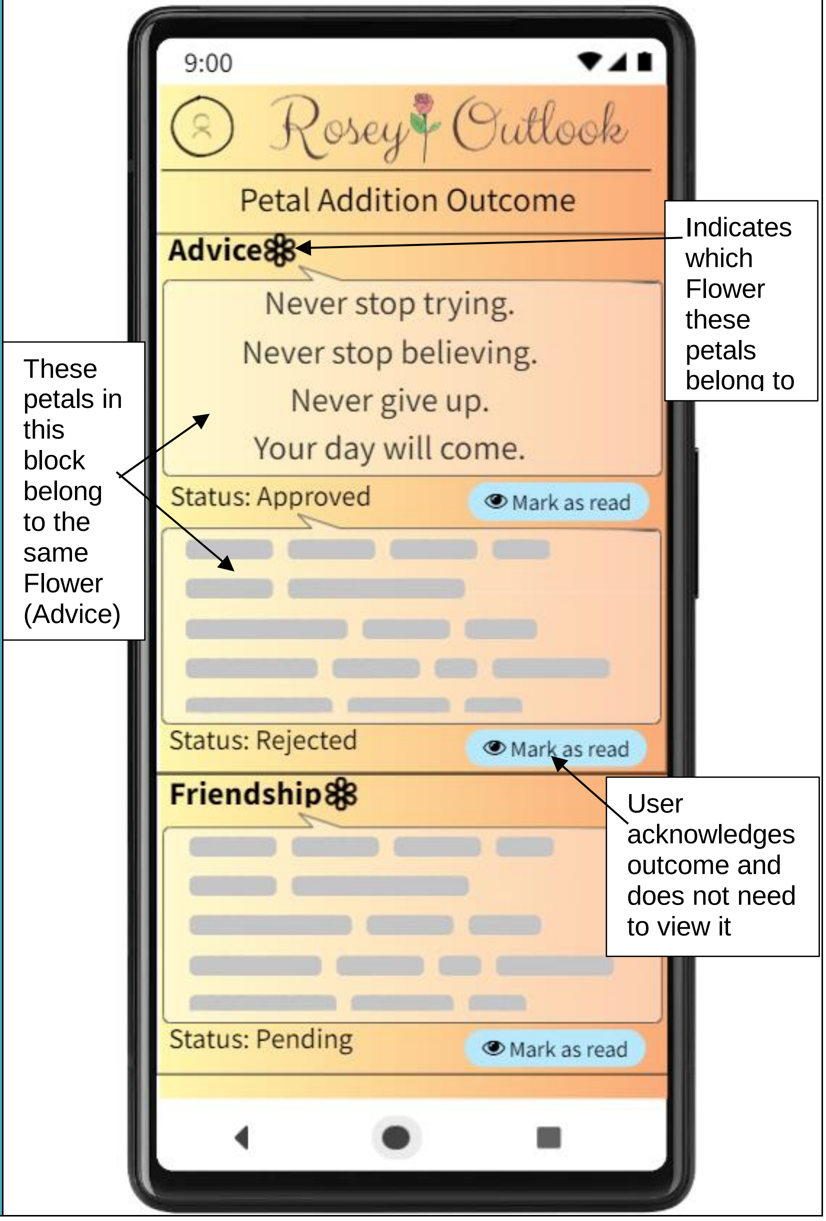
User selects a Flower

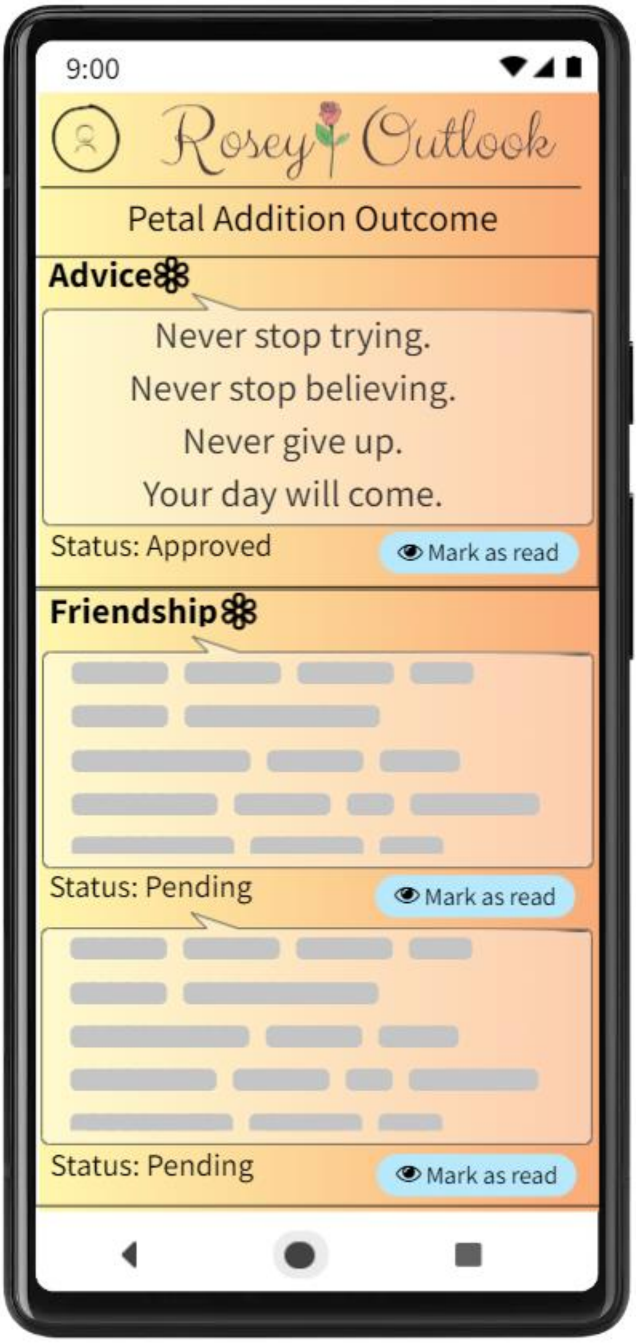
After filter has been applied



Never stop trying.
Never stop believing.
Never give up.
Your day will come.

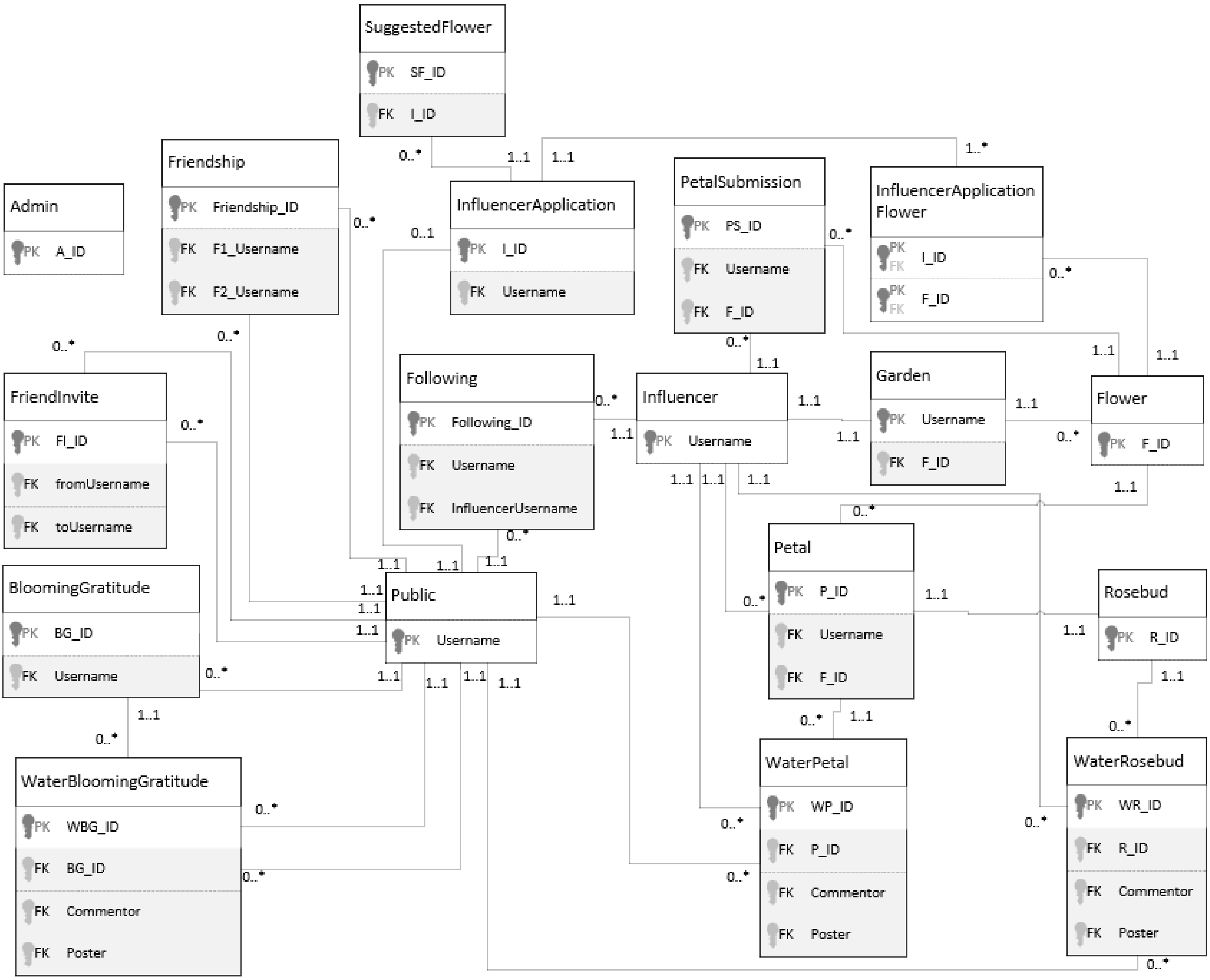
Use Case ID	Use Case Name
A1900	View Water
Primary Business Actors	**Other participating Actors**
Public	Influencer
Description	This use case describes the process of a user viewing comments on a post, such as a Petal, Rosebud or Blooming Gratitude, after viewing it.
Pre-Conditions	The user has to be viewing a post.
Triggers	Called from A1300/A1400/A1600
Post-Conditions	The user will see all the comments that have been left on the post.
Basic Flow of Events	1. System displays comments under the post
Initial UI design	 9:00 Rosey Outlook My Friends Following Username Today while walking downtown, a random stranger stopped dead in their tracks just to tell me I look gorgeous. Made my day! Username2: What a kind thing to say to someone. You really are gorgeous! Username3: Username4: Username5: Username6: Close Water Username Comments Hides comments again

Use Case ID	Use Case Name
B0200	View Addition Outcome
Primary Business Actors	**Other participating Actors**
Influencer	
Description	Influencers would like to see if their new petal is approved(D0500) or not(D0600).
Pre-Conditions	Influencer needed to submit a petal for review. Influencer needs to be on their homepage.
Triggers	Clicking the post button. (Called from B0100)
Post-Conditions	Knowing the status of the petal.
Basic Flow of Events	1. Select the option to view petal addition outcome. 2. System displays list of the outcomes of all the petal additions. 3. User clicks Mark as read button for a specific outcome. 4. System removes this petal addition's outcome from the list of outcomes.
Initial UI design	 9:00 Rosey Outlook Petal Addition Outcome Advice Never stop trying. Never stop believing. Never give up. Your day will come. Status: Approved Status: Rejected Friendship Status: Pending These petals in this block belong to the same Flower (Advice) Indicates which Flower these petals belong to User acknowledges outcome and does not need to view it

	Addition outcome has been removed after the user clicked Mark as read  9:00 Rosey Outlook Petal Addition Outcome Advice Never stop trying. Never stop believing. Never give up. Your day will come. Status: Approved Friendship Status: Pending Status: Pending

3 DATA REQUIREMENTS

Implementation Ready Class Diagram



Entity	Entity Attributes
Public	**Username <pk>**, prefferedName, email, password, Type, profilePic
Rosebud	**R_ID <pk>**, Affirmation, TimesUsed, DateScheduled
Blooming Gratitude	**BG_ID <pk>,** Date, Grateful, *Username <fk>*
Petal	**P_ID <pk>**, *Username <fk>*, Content, *F_ID <fk>*, Date
PetalSubmission	**PS_ID <pk>**, *Username <fk>*, Content, *F_ID <pk>*
Flower	**F_ID <pk>**, Category
Garden	**Username <pk>**, *F_ID <fk>*
Influencer	**Username <pk>**
InfluencerApplication	**I_ID <pk>**, *Username <fk>,* PotentialPetal, Reason
InfluencerApplicationFlower	***I_ID <pk><fk>, F_ID <pk><fk>***
SuggestedFlower	**SF_ID <pk>**, *I_ID <fk>*, Suggestion
Friendship	**Friendship_ID <pk>,** *F1_Username <fk>, F2_Username <fk>*, StartDate
FriendInvite	**FI_ID <pk>**, *fromUsername <fk>, toUsername <fk>*
Following	**Following_ID,** Username, InfluencerUsername
Admin	**A_ID <pk>,** Password, FirstName, Surname
WaterBloomingGratitude	**WBG_ID <pk>,** *BG_ID <fk>, Commentor <fk>, Poster <fk>,* Comment
WaterRosebud	**WR_ID <pk>,** *R_ID <fk>, Commentor <fk>, Poster <fk>,* Comment
WaterPetal	**WP_ID <pk>,** *P_ID <fk>, Commentor <fk>, Poster <fk>,* Comment

NELSON MANDELA UNIVERSITY

Department of Computing Sciences
Plagiarism Declaration - Elaboration Document

Module code: WRRV301

We,

Name	Student Number	Contribution % [Total = 100]
Ganeefa Sirkhotte	**224078321**	50
Junaid Brooks	**223126756**	50

hereby declare that this submission is our own, original work.

We further declare that:

1. No part of this submission has been copied from another person/group,
2. We **did / did not** work with another person/group on this submission,
3. We acknowledged all consulted sources in the text and submitted a list of references, and
4. Parts without references are entirely our own work
5. That we have all equally contribute to the work or as indiciated in the contribution % above.

(Delete any of the above if not applicable)

We understand that, should this declaration be false, we may be charged with academic misconduct and/or plagiarism and that a disciplinary hearing may be brought against us.

1. SIGNED: .... DATE......28/05/2023......................

2. SIGNED: .... DATE ....28/05/2023....................