Use Cases

for

Wanderers

Version 1.0 approved

Prepared by Team Wanderers

Nanyang Technological University

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Revision History

Name	Date	Reason For Changes	Version
	1 Feb 2025	Initial draft for Use cases	1.0
	2 Feb 2025	Added Itinerary Use Cases	1.1
	2 Feb 2025	Added Activity, Upload Photo Use Cases	1.2
	3 Feb 2025	Amended Create Activity Use Case	1.3
	4 Feb 2025	Formatted document and check spelling	1.4

Use Case List

Primary Actor	Use Cases
User	1 - Register User 2 - Login User 3 - Forget Password 4 - Email Confirmation 5 - Edit Profile 6 - Create Itinerary 7 - Access Itinerary 8 - Edit Itinerary 9 - Delete Itinerary 10 - Create Activity 11 - Access Activity 12 - Edit Activity 13 - Delete Activity 14 - Logout 15 - Send Message 16 - Upload Photo
Database	1 - Register User 2 - Login User 3 - Forget Password 4 - Email Confirmation 5 - Edit Profile 6 - Create Itinerary 8 - Edit Itinerary 9 - Delete Itinerary 10 - Create Activity 11 - Access Activity 12 - Edit Activity 13 - Delete Activity 16 - Upload Photo
Server	1 - Register User 2 - Login User 3 - Forget Password 4 - Email Confirmation 5 - Edit Profile 6 - Create Itinerary 14 - Logout
SMTP Service	1 - Register User 3 - Forget Password 4 - Email Confirmation 6 - Create Itinerary
S3 Object Storage	5 - Edit Profile 15 - Send Messages 16 - Upload Photo
Google Places API	10 - Create Activity 11 - Access Activity 12 - Edit Activity

Use Case Descriptions

Use Case ID:	1		
Use Case Name:	Register User		
Created By:	Kim Seojin	Last Updated By:	Kim Seojin
Date Created:	01/02/2025	Date Last Updated:	01/02/2025

Actors:	User, Database, Server, SMTP Service
Description:	*As a User, I want to register an account and verify my email to access the system.* This use case enables user to register on the platform by providing a unique username and password, ensuring secure access to the system's features and services
Trigger:	The user clicks on the Register button to create an account.
Preconditions:	1. User has launched the website. 2. User does not have an account registered and verified with the system.
Postconditions:	1. User account is created but not activated. 2. User will receive a confirmation email. 3. User must verify via email within 2 days of receiving activation link before account becomes active.
Normal Flow:	1.1: User navigates to the account registration page. 1.2: On the registration page, the user enters username, email and password to be registered. 1.3: User clicks submit. 1.4: Server validates the user input. 1.5: Server registers new account but set it as unverified. 1.6: Server generates unique verification token and sends the verification link to user email via SMTP Service. 1.7: User clicks on the verification link. 1.8: Server sets the user account as verified. 1.9: User is redirected to the login page.
Alternative Flows:	1.7 User does not click on the verification link within 2 days 1. System deletes the account.

Exceptions:	1.0.E.2 Invalid email format.
	    1. System prompts error message "Please enter a valid email"
	1.0.E.2 Invalid password format.
	    1. 2. System prompts error message "Password must be at least 8 characters and have at least one non letter or digit character."

Includes:	-
Priority:	High
Frequency of Use:	High
Business Rules:	-

Special Requirements:	SR – 1: The system should be able to verify if the username is taken within 5 seconds.
Assumptions:	-
Notes and Issues:	-

Use Case ID:	2		
Use Case Name:	Login User		
Created By:	Kim Seojin	Last Updated By:	Kim Seojin
Date Created:	01/02/2025	Date Last Updated:	01/02/2025

Actors:	User, Database, Server
Description:	*As a User, I want to be able log in to the system so that I can use Wanderer's services.* This use case allows users to login to the platform with their registered userID and password.
Trigger:	1. The user wants to access their account and navigate to the login page. 2. The user clicks the "Login" button on the website.
Preconditions:	1. User has launched the website. 2. User must have an account registered and verified with the system.
Postconditions:	1. User has successfully logged in to the website. 2. System redirects the user to the homepage.
Normal Flow:	2.1: The user clicks on the Login button on the landing page. 2.2: System displays the login page. 2.3: User enters their username in the 'username' field 2.4: User enters their password in the 'password' field 2.5: User clicks on the 'Login' button 2.6: Server authenticates the username and password against the database 2.7: Upon successful authentication, user gain access to the application 2.8: System redirects user to homepage

Alternative Flows:	2.2: User click on "Forget Password" (Use Case 3)
	    1. System redirect user to password recovery page
	2.5: User enters incorrect username or password
	    1. Displays error message "Invalid ID or Password. Please try again"

Exceptions:	-
Includes:	-
Priority:	High
Frequency of Use:	High
Business Rules:	1. Users must have verified accounts before logging in. 2. Passwords must be hashed and securely stored.

Special Requirements:	SR – 1: The system should be able to verify the username and password within 5 seconds.
Assumptions:	-
Notes and Issues:	-

Use Case ID:	3		
Use Case Name:	Forgot Password		
Created By:	Raghav	Last Updated By:	Raghav
Date Created:	03/02/2025	Date Last Updated:	04/02/2025

Actors:	User, Server, SMTP Service
Description:	*As a User, I want to reset my password with the system if I forgot my existing password* This use case allows a user to reset their password with the system.
Trigger:	1. The user clicks on the "Forgot Password" link on the login page
Preconditions:	1. The User must have an existing account in the system (Use Case 1) 2. The user must have access to the email associated with the account
Postconditions:	1. "Password Reset Successful" message will be displayed 2. User's password is updated, and they can log in using new credentials
Normal Flow:	3.1: User clicks on "Forgot Password" 3.2: "Forgot Password" page is displayed 3.3: User enters their registered email address 3.4: User clicks on "Get verification code" button. 3.5: Server creates a token and saves it in the database. 3.6: SMTP service sends an email together with a link with the token attached to the registered email address 3.7: User clicks password reset link. 3.8: User is redirected to Password Reset Form 3.9: User enters new password 3.10: User clicks on the "Reset Password" button 3.11: If password successfully reset, User will be redirected to the login page
Alternative Flows:	3.2: User clicks on "Cancel" button 1. User is redirected to the home page.

Exceptions:	3.0.E.4
	    1. If the user enters an email that is not registered, the system displays an error message: "No account found with this email address."
	3.0.E.9
	    1. The new password does not meet criteria. System displays message "Your password should at least contain one upper case letter, one lower case letter, one digit, and one special character"

Includes:	-

Priority:	Low
Frequency of Use:	Once a year
Business Rules:	-
Special Requirements:	Email containing password resetting link must be sent within 10 seconds
Assumptions:	-
Notes and Issues:	-

Use Case ID:	4		
Use Case Name:	Email Confirmation		
Created By:	Raghav	Last Updated By:	Raghav
Date Created:	03/02/2025	Date Last Updated:	04/02/2025

Actors:	User, Server, Database, SMTP Service
Description:	*As a User, I want to verify my email address with the system after I have registered an account* This use case allows a user to verify their registered email address to ensure their account can be used in Wanderers.
Trigger:	1. When user registers account 2. User tries to login, but the registered email is unverified.
Preconditions:	1. User must have successfully registered an account with a valid email address
Postconditions:	1. If successful, the user's email is confirmed, and they can log in. Token will then be deleted from database. 2. If unsuccessful, the user must request a new verification email
Normal Flow:	4.1: User clicks "Verify email address" button 4.2: Server generates a unique email verification token 4.3: SMTP service sends email together with a link with the token attached to the registered email address 4.4: A message: "A confirmation email has been sent to your email address. Please check your inbox." will be displayed. 4.5: User clicks on email verification link 4.6: Server verifies the token and redirects the user to the login page with a success message.
Alternative Flows:	-
Exceptions:	4.0.E.3 1. If the SMTP server fails to send the email, the server logs the error and retries. If retries fail, the system notifies the user. 4.0.E.6 1. If the reset link is expired (=> 2 days), System notifies the user and prompts them to repeat email verification process
Includes:	-
Priority:	Low

Frequency of Use:	Once
Business Rules:	-
Special Requirements:	Email containing verification link must be sent within 10 seconds
Assumptions:	-
Notes and Issues:	-

Use Case ID:	5		
Use Case Name:	Edit Profile		
Created By:	Hazim	Last Updated By:	Hazim
Date Created:	01/02/2025	Date Last Updated:	04/02/2025

Actors:	User, Server, Database, S3 Object Storage
Description:	*As a User, I want to be able to edit or customize my profile that can be seen by others* This use case allows the user to edit their account information, which includes their profile picture and profile description.
Trigger:	The user clicks on the "Edit Profile" button
Preconditions:	1. User is logged in (Use Case 2)
Postconditions:	1. Account information is updated
Normal Flow:	5.1: User clicks 'Edit Profile' button 5.2: "Edit Profile' page is loaded and showed to User 5.3: User clicks *Change Profile Picture* 5.4: User selects an image file 5.5: Server validates the file type and size and displays a preview of the new picture 5.6: The user edits their profile description in the provided text area. 5.7: User submits the form 5.8: Server validates all inputs 5.9: The server uploads the new profile picture to the S3 Object Storage 5.10: Server saves the updated description and image URL into the database 5.11: System confirms the successful update
Alternative Flows:	1. -

Exceptions:	5.0.E.4: User selects a non-image file
	     1. An error message "Only image files (.png, .jpg, .jpeg) are accepted." will be displayed
	     2. User is prompted to input another file.
	 5.0.E.4: Uploaded image file is more than 5mb
	     1. The system will display an error message "Files cannot exceed more than 5mb."
	     2. User is prompted to input another file.

Includes:	-
Priority:	Medium
Frequency of Use:	Low
Business Rules:	-
Special Requirements:	-
Assumptions:	This use case assumes that the user is updating their profile information and changed one of the fields
Notes and Issues:	-

Use Case ID:	6		
Use Case Name:	Create Itinerary		
Created By:	Hazim	Last Updated By:	Hazim
Date Created:	01/02/2025	Date Last Updated:	04/02/2025

Actors:	User, Server, Database, SMTP Service
Description:	*As a User, I want to be able to create an itinerary to start my planning of my trip* This use case allows the user to create a new itinerary on the platform to start planning their trips.
Trigger:	The user clicks on the "Create Itinerary" button
Preconditions:	User is logged in (Use Case 2)
Postconditions:	A new itinerary is created
Normal Flow:	6.1: 'Create Itinerary' page is loaded and launched. 6.2: The user interface displays a form with required input fields (Trip Name, Trip Location, Trip Start Date, Trip End Date and Itinerary Visibility) and an optional input field (Invite tripmates) 6.3: User inputs the required fields 6.4: User enters email addresses of friends to send invites 6.5: User submits the form 6.6: Server validates all required fields 6.7: Server creates an itinerary in the database 6.8: The system displays a successful confirmation message 6.9: The SMTP Service sends emails to the inputted emails with a link to view the itinerary page 6.10: The system redirects the user to the itinerary details page
Alternative Flows:	6.4: The user did not invite any tripmates 1. When the user submits the form, the database creates the itinerary and the SMTP Service sends no emails

Exceptions:	6.0.E.5: Field Validation Error
	    1. If the user submits the form with invalid or missing data
	    2. System displays error message "Please fill in required fields"
	    3. Return to step 6.2

Includes:	-
Priority:	High
Frequency of Use:	Low (once per trip)
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	7		
Use Case Name:	Access Itinerary		
Created By:	J'sen	Last Updated By:	J'sen
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database
Description:	*As a User, I want to access the itinerary so that I can get detailed trip information. This allows me to stay informed, manage my travel plans efficiently and collaborate with other trip participants.* A user can access an existing itinerary to view details, schedules and shared plans.
Trigger:	The user selects an itinerary from their list of trips they have created or through the explore page.
Preconditions:	1. The user must be logged in. 2. If the user is accessing their own itinerary, they must have at least one itinerary created. 3. If the user is accessing another person's itinerary from the explore page: a. The itinerary must be public or shared with the user.
Postconditions:	1. The user successfully views the itinerary details, including trips dates, locations, activities, shared notes and the total trip cost.
Normal Flow:	7.1: User clicks on "View Itinerary" button 7.2: The system retrieves the itinerary details from the database. 7.3: The 'View Itinerary' page is loaded and shown to User 7.4: Details such as schedules, locations, activities, shared notes and the total trip cost are shown to user.

Alternative Flows:	7.1: The user accesses the itinerary from a shared link
	    1. The user clicks on a shared itinerary link
	    2. If logged in, they are redirected to the itinerary view.
	    3. If not logged in, they are prompted to log in before viewing the itinerary (if required).

Exceptions:	7.0.E.1: The itinerary does not exist or has been deleted 1. The system displays an error message indicating the itinerary is unavailable.
Includes:	-
Priority:	High
Frequency of Use:	Frequent. Users will typically access their itinerary multiple times before and during their trip.
Business Rules:	-
Special Requirements:	-
Assumptions:	Users have at least one itinerary saved in their account or can access itineraries via the Explore page.
Notes and Issues:	-

Use Case ID:	8		
Use Case Name:	Edit Itinerary		
Created By:	J'sen	Last Updated By:	J'sen
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database
Description:	*As a User, I want to access and edit my itinerary so that i can update trips details, modify schedules and ensure all travel information is accurate and up to date.* A user can edit an existing itinerary including update trip details, add or remove activities, adjust schedules and manage trip expenses to calculate total trip cost.
Trigger:	The user selects an itinerary from "My Trips" page.
Preconditions:	1. The user must be the owner of the itinerary. 2. User has been granted editing permissions by the owner. 3. The itinerary must exist and be accessible.
Postconditions:	1. The system updates the itinerary with the user's changes. 2. The updated itinerary is available for viewing by the owner and other collaborators.

Normal Flow:	8.1: User navigates to "My Trip" page
	8.2: User selects an itinerary
	8.3: The system retrieves the itinerary details from database
	8.4: The user makes changes, such as:
	    • Modify trip details (title, description, dates).
	    • Adding or removing activities.
	    • Adjusting the trip schedules.
	    • Updating shared notes.
	    • Adding, modifying or removing expenses.
	8.5: If the user modifies expenses, the system automatically recalculates the total trip cost.

	8.6: The system saves the changes and updates the itinerary.
Alternative Flows:	-
Exceptions:	8.0.E.1: The itinerary has been deleted 1. The system informs the user that the itinerary no longer exists.
Includes:	-
Priority:	High
Frequency of Use:	Frequent. Users may update itineraries and expenses multiple times during trip planning.
Business Rules:	-
Special Requirements:	-
Assumptions:	User have at least one editable itinerary in their account. User makes changes to the itinerary.
Notes and Issues:	-

Use Case ID:	9		
Use Case Name:	Delete Itinerary		
Created By:	Albert	Last Updated By:	Albert
Date Created:	2/2/2025	Date Last Updated:	2/2/2025

Actors:	User, Database
Description:	*As a User, I want to delete an itinerary so that the System will not show any outdated or irrelevant itinerary.* A feature to remove the itinerary details and its contents including activities associated with the itinerary itself. The itinerary is archived instead of permanently deleted, allowing the user to restore it if needed.
Trigger:	The user clicks on the Delete button on his itinerary page.
Preconditions:	1. The user is already logged in. (Use Case 2) 2. The user must own the itinerary.
Postconditions:	1. The itinerary and its children are marked as archived. 2. The user will be redirected to the home page. 3. The user is shown a success notification.
Normal Flow:	9.1: User identifies his own Itinerary to be deleted and clicks the delete button. 9.2: A dialog popup appears to ask User to confirm his action. 9.3: User confirms to delete. 9.4: System marks the itinerary as archived. 9.5: UI is updated with a message notifying the user about the successful deletion. 9.6: System displays successful message "Itinerary deleted. You can still undo changes by clicking here" 9.7: System redirects User to home page.
Alternative Flows:	9.2.1: User cancels delete action 1. Closes dialog popup and returns to the itinerary page

Exceptions:	9.0.E.3: User does not own the itinerary
	    1. System displays an error message "You do not own the itinerary"
	    2. Itinerary is not deleted
	9.0.E.3: System generic error
	    1. System displays an error message "An error has occured, please try again later"
	    2. Error is logged
	    3. Itinerary is not deleted

Includes:	-
Priority:	Medium
Frequency of Use:	Medium
Business Rules:	1. Itinerary is archive instead of deleted with the isDeleted flag so the user can restore any accidental deletions. 2. Only the owner can delete (archive) their itinerary.
Special Requirements:	1. System must show the successful deletion message with the undo action and display it for at least 5 seconds to allow the user to restore the itinerary.
Assumptions:	-
Notes and Issues:	1. Determine data retention policy (how long to store the archive itinerary before permanently deleting it)

Use Case ID:	10		
Use Case Name:	Create Activity in an Itinerary		
Created By:	Albert	Last Updated By:	Albert
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database, PlacesAPI
Description:	*As a User, I want to create activity entry(s) so that I can share more details such as the location and cost that is associated to the itinerary.* The user can create multiple activities within an itinerary. Each activity includes details such as title, description, cost, and location.
Trigger:	User clicks on the Add Activity button.
Preconditions:	1. The user must be logged in 2. The user must own the itinerary 3. The itinerary exists and is not archived
Postconditions:	1. New activity entry(s) will be created under the itinerary. 2. The activity is displayed in the itinerary's activity list without refreshing the page 3. The user can continue adding more activities or close the form.
Normal Flow:	10.1: User identifies his own Itinerary and clicks the add activity button. 10.2: A modal form popup appears for user input 10.3: User inputs the activity title, description, cost.

	10.4: User search for location using PlacesAPI
	10.5: System returns a list of autocompleted results for user to select.
	10.6: User clicks on submit button.
	    1. System validates the input fields.
	    2. System creates an activity in database and the UI is updated with a new activity entry.

Alternative Flows:	10.6: User has more activities to add:
	    1. User clicks on Add More activities button
	    2. System displays an additional form to ask User to input the activity title, description, cost and location.

Exceptions:	10.0.E.6: Field Validation Error
	    1. If the user submits the form with invalid or missing data
	    2. System displays error message "Please fill in required fields"

Includes:	-
Priority:	Medium
Frequency of Use:	High
Business Rules:	1. Activity title, description, cost and location are required. 2. Only the itinerary owner can add activities
Special Requirements:	1. After the activity is created, the activity should be shown on the itinerary without refreshing the page. 2. Form inputs must be validated before submission and validated again before server processes the data.
Assumptions:	1. User has an activity to add to the itinerary.
Notes and Issues:	

Use Case ID:	11		
Use Case Name:	Access Activity in an Itinerary		
Created By:	Isaac	Last Updated By:	Isaac
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database
Description:	*As a User, I want to be able to access a particular activity in the itinerary* The user can access a particular event planned in an itinerary to view more details about that activity such as name, location. This use case is a child use case of **Edit Itinerary.**
Trigger:	1. The user clicks on the activity button/bounding box
Preconditions:	1. The user is logged in. 2. The user has access to the itinerary. 3. The itinerary must have at least one activity to view.
Postconditions:	1. The user interface shows details about the activity.
Normal Flow:	11.1: User clicks on the activity button/bounding box

	11.2: The system fetches latest activity information from database 11.3: The user interface shows information about the activity. 11.4: User clicks on 'Close' button 11.5: User is redirected back to the itinerary details page.
Alternative Flows:	11.4: The user decides to edit part of an activity 1. The user carries on the flow from Use Case 12 (Edit Activity in an Itinerary)
Exceptions:	11.0.E.2: The system is unable to fetch results from the database 1. A dialog showing "Unable to fetch activity details, please try again later" is shown.
Includes:	-
Priority:	High
Frequency of Use:	High
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	12		
Use Case Name:	Edit Activity in an Itinerary		
Created By:	Isaac	Last Updated By:	Isaac
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database
Description:	*As a User, I want to be able to make changes to an activity that I have planned in an itinerary.* The user can access and edit the activity and change details about the name, timing, location, pricing and other relevant details in the activity.
Trigger:	1. The user clicks on the 'Edit Activity' button from the 'View Activity view'
Preconditions:	1. The user is logged in. 2. The user has access to the itinerary. 3. The itinerary must have at least one activity to view. 4. User is currently viewing the activity.
Postconditions:	1. The user interface shows the updated activity 2. The information about the updated activity is updated in the database.

Normal Flow:	12.1: User clicks on 'Edit Activity' button
	12.2: The user interface shows all editable fields of the activity
	12.3: User makes changes to activity details such as:
	    • Name
	    • Location
	    • Timing/Date

	• Description/Details 12.4: User clicks on 'Save Activity' button 12.5: System validates the user input 12.6: System saves the updated activity in the database. 12.7: The user interface shows a "The activity has been saved!" message. 12.8: User is redirected back to "View Itinerary" page
Alternative Flows:	

Exceptions:	12.0.E.5: Field Validation Error
	   1. If the user submits the form with invalid or missing data
	   2. System displays error message "Please fill in required fields"
	12.0.E.6: Unable to access Database
	   1. System displays error message "Unable to save this activity. Please try again later.

Includes:	N/A
Priority:	High
Frequency of Use:	High
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	13
Use Case Name:	Delete Activity in an Itinerary

Created By:	Miko	Last Updated By:	Miko
Date Created:	28/1/2025	Date Last Updated:	4/2/2025

Actors:	User, Database
Description:	*As a User, I want to ensure a lean itinerary to organise only relevant activities, removing those irrelevant ones.* A feature that deletes an activity/event within an itinerary
Trigger:	1. User must be viewing an activity. 2. User clicks the 'Delete Activity' button.
Preconditions:	1. There should be an itinerary that existed. (Use Case 7) 2. There should be at least 1 activity/event in the itinerary for the user to delete if not, deletion is not possible (Use Case 11)

	3. A warning message that tells user that the deletion of an activity/event is permanent and cannot be recovered
Postconditions:	1. The deleted entry will disappear from the database 2. The deleted entry also disappears from the UI 3. A message will be prompted to the user about successful deletion
Normal Flow:	13.1: User clicks the 'Delete Activity' button 13.2: The user interface shows a window alert with message "Are you sure you want to delete this activity?" 13.3: User clicks on 'Confirm' button. 13.4: The system deletes the activity entry in the database. 13.5: System displays "Your activity has been deleted! Message. 13.6: User is redirected to the itinerary view page.

Alternative Flows:	13.2: User cancels the delete option
	    1. System closes the alert
	    2. User is redirected to the view activity page

Exceptions:	13.0.E.4: Database unable to delete the activity 1. System displays the unsuccessful deletion message to the User.
Includes:	-
Priority:	Medium
Frequency of Use:	High during heavy edits of the itinerary Low when the itinerary is completed/fixed
Business Rules:	-
Special Requirements:	A prompt must be created to remind users of the consequences of deletion. • If there is a single delete button that controls all the deletion function, the button would need to be disabled and prompt an error message as there is no entry to be deleted • If there is a delete button created along with the activity, there will be no such special feature to be added as that delete button is part of the entry that disappears from the UI
Assumptions:	• There should be at least 1 existing activity/event to fulfil the deletion
Notes and Issues:	-

Use Case ID:	14		
Use Case Name:	Logout		
Created By:	Miko	Last Updated By:	Miko
Date Created:	28/2/2025	Date Last Updated:	4/2/2025

Actors:	User, Server
Description:	*As a User, I want to logout so that my session will not persist.* A feature that helps User to logout of the website so that they can end their current session.

Trigger:	The User clicks on the 'Logout' button on the home page
Preconditions:	1. User has an existing account (Use Case 1) 2. User has logged into the website (Use Case 2) 3. User is on the home page.
Postconditions:	1. User will be prompted to login page with a message informing the user their successful logout
Normal Flow:	14.1: User clicks on the 'Logout' button from home page. 14.2: The user interface displays a "Are you sure you want to log out?" message 14.3: User clicks on the "Log Out" button. 14.4: Server deactivates the user's session. 14.5: User is redirected to the login page.
Alternative Flows:	-
Exceptions:	14.0.E.4: System cannot log User out 1. System displays the unsuccessful logout message to the User.
Includes:	-
Priority:	High
Frequency of Use:	Medium
Business Rules:	-
Special Requirements:	-
Assumptions:	– The User should know that clicking on the logout button will log them out without a prompt to warn them.
Notes and Issues:	-

Use Case ID:	15		
Use Case Name:	Send Messages		
Created By:	Miko	Last Updated By:	Miko
Date Created:	28/1/2025	Date Last Updated:	4/2/2025

Actors:	User, S3 Object Storage
Description:	*As a User, I want to be able to communicate tips and information with other users by sending them messages* A feature that allows a User to send messages to another in an itinerary, allowing for collaboration among users
Trigger:	User types a message in the typing bar and hits enter.
Preconditions:	1. User has an existing account (Use Case 1) 2. User has logged into the website (Use Case 2) 3. User is on the view itinerary page.
Postconditions:	1. The message is saved in the S3 Object Storage. 2. The message will display in the chat.
Normal Flow:	15.1: User clicks on the typing bar 15.2: User types a message and then hits send. 15.3: Message is sent and stored in S3 Object Storage

	15.4: Message is displayed in the chat box.
Alternative Flows:	-

Exceptions:	15.0.E.2: User cannot send a message
	    1. The User will be notified that the message cannot be sent.
	15.0.E.3: Unable to store message in S3 Object Storage
	    2. The User will be notified that the message cannot be sent.

Includes:	-
Priority:	Medium
Frequency of Use:	Medium
Business Rules:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	16		
Use Case Name:	Upload Photo		
Created By:	Albert	Last Updated By:	Albert
Date Created:	3/2/2025	Date Last Updated:	3/2/2025

Actors:	User, Database, S3 Object Storage
Description:	*As a User, I want to upload photos to the system so that users will be engaged visually.* A feature to allow User to upload photos to the System to add interactivity with an itinerary or chat.
Trigger:	User clicks on Upload Photo or the round avatar image.
Preconditions:	1. The User has an existing account (Use Case 1) 2. The User has logged into the website (Use Case 2)
Postconditions:	1. The photo URL is saved in the Database 2. The photo is saved in the S3 Object storage bucket.
Normal Flow:	16.1: User clicks on Upload Photo button 16.2: The system displays a file explorer 16.3: User selects an image file 16.4: System validates the file type and size 16.5: The photo is saved in the S3 Object storage bucket. 16.6: The photo URL is saved in the database. 16.7: The user interface shows a "Your picture was uploaded successfully!" message.
Alternative Flows:	-

Exceptions:	16.0.E.4: User selects a non-image file
	    3. An error message "Only image files (.png, .jpg, .jpeg) are accepted." will be displayed
	    4. User is prompted to input another file.
	16.0.E.4: Uploaded image file is more than 5mb

	3. The system will display an error message "Files cannot exceed more than 5mb." 4. User is prompted to input another file.
Includes:	-
Priority:	Medium
Frequency of Use:	Medium
Business Rules:	1. File upload should only accept image/jpeg, image/png mime types. 2. File size should not exceed 5MB.
Special Requirements:	
Assumptions:	1. User has a photo to upload
Notes and Issues:	-