105

Travelus
Use-Case Specification

Version 1.1

Revision History

Date	Version	Description	Author
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Table of Contents

1. Use-case Model **4**

2. Use-case Specifications **4**

2.1 Use-case: View a tour 4

2.2 Use-case: Book a tour 4

2.3 Use-case: View tours 5

2.4 Use-case: Add tours 6

2.5 Use-case: Update tours 6

2.6 Use-case: Delete tours 7

2.7 Use-case: Search a tour 8

2.8 Use-case: Calculating 8

2.9 Use-case: Upload feedback 8

2.10 Use-case: Sign up 9

2.11 Use-case: Sign in 10

2.12 Use-case: View account’s profile 10

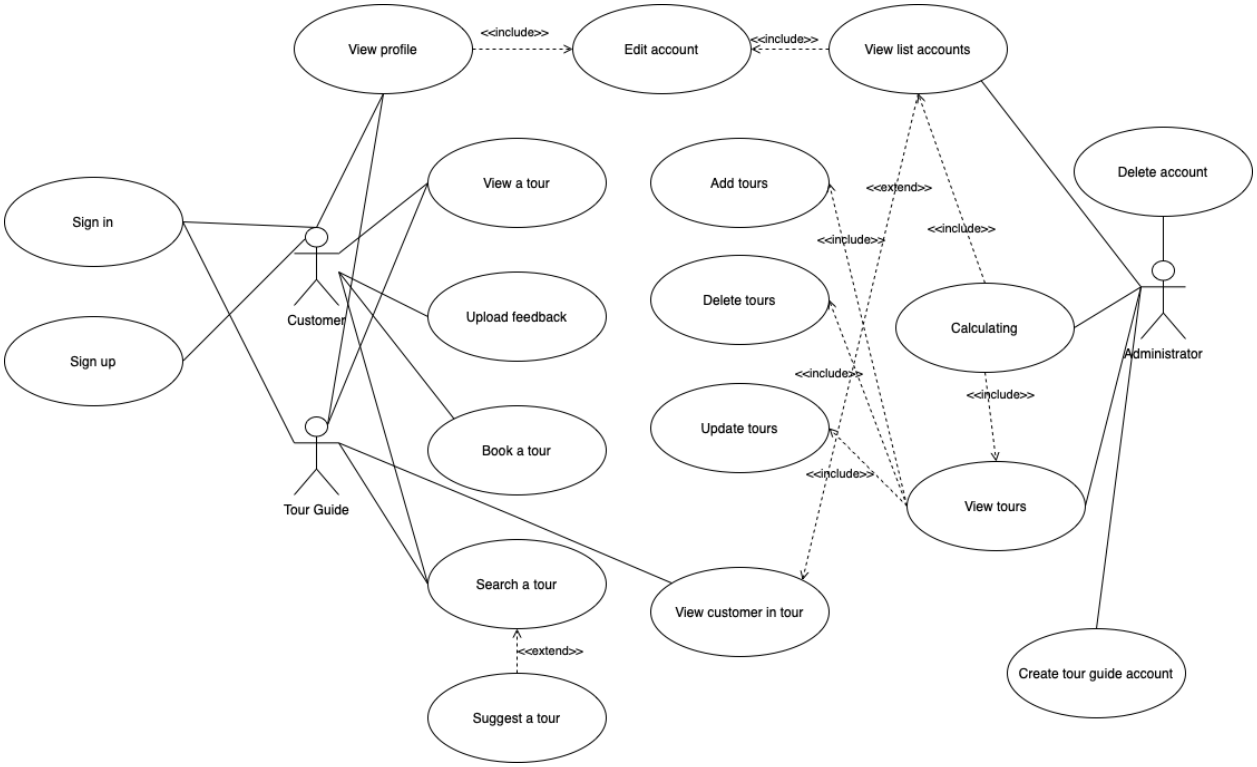
2.13 Use-case: Update the information of an account 10

2.14 Use-case: Delete an account 11

2.15 Use-case: View customers in a tour 11

2.16 Use-case: Create tour guide account 12

1. Use-case Model



2. Use-case Specifications

2.1 Use-case: View a tour

Use case Name	View a tour
Brief description	This use case describes how the Customer can view information(price, image, location information,...) of the tour.
Actors	Customer
Basic Flow	1. Scroll to the tour card in the homepage. 2. Click the button 'Details' to see more information.
Alternative Flows	**Alternative flow 1: User cannot click the buttons due to connection-lost** 1. Reload the page. 2. From #1 of the basic flow, continue step 1. **Alternative flow 2: User cannot find the wanted tour card** 1. Search the name in the search bar (See more in **use-case: Search a tour**). 2. Continue from #1 in basic flow.
Pre-conditions	User goes to the homepage Travelus.
Post-conditions	The users successfully access all information(price, image, location information,...) of the given tour.

2.2 Use-case: Book a tour

Use case Name	Book a tour
Brief description	This use case describes how the Customer can book a tour.

Actors	Customer
Basic Flow	1. Choose a tour and view it (Click Details button). 2. Press the 'Book now' button. You will be transferred to the Booking page. 3. Fill in all necessary information. 4. Click the 'Finish' button to complete booking.
Alternative Flows	**Alternative flow 1: User inputs the wrong format of information in booking form** 1. Error notification will appear below the input placeholder. 2. Redo the step #2 in basic flow until the information is validated. 3. Continue #3 in basic flow. **Alternative flow 2: Users use invalid payment (bank account doesn't exist..)** 1. Error notification will appear. 2. The booking form will go back to initial state (blank information). 3. Users start over again from #3 in basic flow. **Alternative flow 3: Booking a tour but not yet sign in** 1. Error notification will appear when users click the Payment button. Website will announce that "You haven't signed in yet. Please sign in to book a tour". 2. Users will jump to page Sign In and start to Sign In. 3. Users will be back to the Homepage. 4. Continue #1 in the basic flow.
Pre-conditions	User goes to the homepage Travelus and finds the tour.
Post-conditions	The user successfully books a tour.

2.3 Use-case: View tours

Use case Name	View tour as a database view on the website
Brief description	This use case helps the administrator be able to retrieve information from the database.
Actors	Administrator
Basic Flow	1. At the administration homepage, the manager chooses the "Tours" tab to view all the tour entries. 2. The system shows all tours that the administrator wants to use. 3. Manager chooses how many columns he/she prefers to view by the drop-down list. 4. By the button Django provided, an administrator can add, remove, and change multiple or single rows they can (Those use-cases will be mentioned later in this document). 5. To see the change happen, the user will have to click on the refresh button.
Alternative Flows	**Alternative flow 1: Administrator cannot find table** 1. Embark from #1, actors open the base SQL command panel. 2. They write down commands to list all tables. 3. If the table is available but the system can not find it, it is advised that the admin should reload the page. 4. If the table doesn't show after the listing command, we can assume that

	the table does not exist. **Alternative flow 2: Table shows no value** 1. From #3 of the basic flow, we click the refresh button to ensure the system is loaded with the newest information. 2. After reloading, if there are still no rows, nothing has been inserted to the table.
Pre-conditions	Manager login as administrator account from the administration homepage The account has been modified and viewed privileged.
Post-conditions	The administrator successfully changes and sees data.

2.4 Use-case: Add tours

Use case Name	Add one or multiple tours into the website
Brief description	This use case helps administrators insert new tours into the database.
Actors	Administrator
Basic Flow	1. From step #5 of the basic flow of **View tours Use-Case**, actors click on the plus symbol of the table to add entries. 2. Administrator writes all the necessary information about the tour into the new line. 3. Then after completion, the user will click on the save button to get the work save.
Alternative Flows	**Alternative flow 1: Administrator using SQL command to add** 1. Embark from #1; actors open the base SQL command panel. 2. They write down commands to append new entries to the table. 3. If the entry is correctly filled, when the user runs the command new tours will be added to the system. **Alternative flow 2: Error in adding rows** 1. From #3 of the basic flow, the manager clicks on the button provided to add rows to the table. 2. If there is an error in adding, the system detects the issue. 3. The system displays an error message indicating the nature of the error (e.g., duplicate entry, constraint violation, data format mismatch, etc.). 4. The manager is advised to review the entered data or the specific action performed to resolve the error. 5. The manager can either correct the data or modify the action to ensure it aligns with the constraints and requirements of the table.
Pre-conditions	Manager login as administrator account from the administration homepage The account has been modified and viewed privileged.
Post-conditions	The administrator successfully changes and sees data.

2.5 Use-case: Update tours

Use case Name	Update one or multiple tours in the website
Brief description	This use case helps administrators update existing tours into the database

Actors	Administrator
Basic Flow	1. From step #5 of the basic flow of **View tours Use-Case**, actors click on the entry to change that field information. 2. Administrator writes all the necessary information about the tour into the field. 3. Then after completion, the user will click on the save button to get the work save.
Alternative Flows	**Alternative flow 1: Administrator using SQL command to update** 1. Embark from #1; actors open the base SQL command panel. 2. They write down commands to update entries on the table. 3. If the entry is correctly modified, when the user runs the command, the existing tour will be changed accordingly. **Alternative flow 2: Error in modifying rows** 1. From #3 of the basic flow, the manager clicks on the button provided to change rows to the table. 2. If there is an error in updating the system detects the issue. 3. The system displays an error message indicating the nature of the error (e.g., duplicate entry, constraint violation, data format mismatch, etc.). 4. The manager is advised to review the entered data or the specific action performed to resolve the error. 5. The manager can either correct the data or modify the action to ensure it aligns with the constraints and requirements of the table.
Pre-conditions	Manager login as administrator account from the administration homepage. The account has been modified and viewed privileged.
Post-conditions	The administrator successfully changes and sees data.

2.6 Use-case: Delete tours

Use case Name	Remove one or multiple tours into the website
Brief description	This use case helps administrators be able to delete tours into the database.
Actors	Administrator
Basic Flow	1. From step #5 of the basic flow of **View tours Use-Case**, actors click on the minus symbol of the table to eliminate entries. 2. Then after clicking on, the prom will show if the operator is successful.
Alternative Flows	**Alternative flow 1: Administrator using SQL command to delete** 1. Embark from #1; actors open the base SQL command panel. 2. They write down commands to remove entries from the table. 3. If the entry is correctly specific, when the user runs the command, the entry will be deleted. **Alternative flow 4: Error in delete rows** 1. From #3 of the basic flow, the manager clicks on the button provided to clear rows to the table. 2. If there is an error in delete operation the system detects the issue. 3. The system displays an error message indicating the nature of the error

	(e.g. constraint violation, data format mismatch, foreign key etc.). 4. The manager is advised to review the entered data or the specific action performed to resolve the error. 5. The manager can either correct the data or modify the action to ensure it aligns with the constraints and requirements of the table.
Pre-conditions	Manager login as administrator account from the administration homepage. The account has been modified and viewed privileged.
Post-conditions	The administrator successfully changes and sees data.

2.7 Use-case: Search a tour

Use case Name	Search the tours in search bar
Brief description	This use case describes how the user can search tours.
Actors	Customer, Tour Guide
Basic Flow	1. At the homepage, the user enters keywords on the 'Search' field. 2. User clicks the Search button to start searching for a product. The user can filter attributes to choose a suitable tour for yourself. 3. System displays the tours found. 4. User clicks on the expected tour. 5. System show detail tour page. (See more in Use-case:View a tour)
Alternative Flows	**Alternative flow 1: User cannot find tours searched** 1. From #1 of the basic flow, user enters another term 2. Continue step #2 in the basic flow
Pre-conditions	User goes to the homepage Travelus.
Post-conditions	The user successfully finds the expected tour.

2.8 Use-case: Calculating

Use case Name	Calculate the number of customers, tours in a month
Brief description	This use case describes how the administrators can view the statistics.
Actors	Admin
Basic Flow	1. At the admin page, the admin chooses the dashboard to view the statistics section. 2. In the statistics section, the system shows the number of successful tours in a month and the numbers of customers in a specific tour in a month.
Alternative Flows	**Alternative flow: A tour is successfully being booked while the admin is viewing the statistics.** 1. Reload the admin page to see changes.
Pre-conditions	Admin goes to the admin page.
Post-conditions	The admin successfully sees the data.

2.9 Use-case: Upload feedback

Use case Name	Upload feedback
Brief description	This use case describes how the user can upload their feedback on the tour they

	went to.
Actors	Customer
Basic Flow	1. On the home page, users select the tour they want to rate. 2. Scrolling down at the detail tour view, the user will see the 'Write a comment' field. Input feedback here. 3. The user chooses the number of stars to rate the satisfaction of the tour. 4. The user clicks the Upload button to post their comment on the detail page of the tour.
Alternative Flows	**Alternative flow 1: User enters nothing** 1. From step #4 of the basic flow, the user does not enter anything on the 'Write a comment' field but presses 'upload' or the user does not choose the number of starts but presses 'upload'. 2. The system will show an error notification telling that those fields are needed. **Alternative flow 2: User didn't book that tour but provided feedback** 1. Embark from #4 of the basic flow, the user clicks enter to provide feedback to the system. 2. System checks if that user went on that trip or not, if not the system shows an error notification to the user and the feedback will not be saved.
Pre-conditions	Users logged in to their account. Users have booked the tour.
Post-conditions	The user successfully uploads their feedback about the tour.

2.10 Use-case: Sign up

Use case Name	Create an account for Customer
Brief description	This use case describes how the Customer can create an account.
Actors	Customer
Basic Flow	1. At the homepage, the user clicks on the Sign Up button. 2. The system shows a form in which the user will give the required information to create an account (Full name, Password, Email,...) 3. After entering all the needed information, the user clicks the Create Account button. 4. A confirmation email will be sent to the user's provided email address.
Alternative Flows	**Alternative flow 1: User doesn't give all the required information** 1. A notification is shown which tells the user to fill in all the needed information. 2. From #3 of the basic flow, the user continues to fill in the information. **Alternative flow 2: User enters a weak password (less than 8 characters, not including numbers, capital letters,...)** 1. A notification is shown which tells the user to give another password with the following guide: "The password must be greater than 8 characters and include numbers, capital letters,...". 2. From #3 of the basic flow, the user enters the password.

	Alternative flow 3: User registers username or password which is exist 1. Enter username or password again 2. Click the button “Sign up” to register the account. **Alternative flow 4: User enters wrong password which is illegal** 1. Enter password again 2. Click the button “Sign up” to register the account.
Pre-conditions	User goes to the homepage Travelus.
Post-conditions	The user successfully creates a new account.

2.11 Use-case: Sign in

Use case Name	Sign in
Brief description	This Use Case describes how the Customer, the Admin, the Tour Guide can login to their pre-created account
Actors	Customer, Tour Guide
Basic Flow	1. At the homepage, the user clicks the button ‘Sign In’ to enter the login page. 2. Enter username and password. 3. Click the button ‘Login’ to login the account if the username and the password are correct.
Alternative Flows	**Alternative flow 1: users cannot log in to their accounts** 1. Enter the wrong username/password. 2. Show a notification that tells the user to enter the username/password again.
Pre-conditions	User already has an account.
Post-conditions	User successfully goes to homepage Travelus

2.12 Use-case: View account’s profile

Use case Name	View the information of an account.
Brief description	This use case describes how the Admin/Tour Guide/Customer can view the information of an account.
Actors	Admin/Tour Guide/Customer
Basic Flow	1. At the homepage, the user clicks on the avatar of the account. 2. The system shows the avatar, some basic information of the account.
Alternative Flows	**No alternative flows.**
Pre-conditions	User goes to the homepage Travelus.
Post-conditions	1. Admins can view all accounts. 2. Tour Guides can only view the information and all accounts that buy their tours. 3. Customers can only view the information on their own accounts.

2.13 Use-case: Update the information of an account

Use case Name	Update the information in the account.
Brief description	This use case describes how the Admin/Tour Guide/Customer can update the

	information of an account.
Actors	Admin/Tour Guide/Customer
Basic Flow	1. At the homepage, the user clicks on the avatar of the account. 2. The user scrolls down, then clicks the Update Information button. 3. The user changes the information. 4. The user clicks the Save button. 5. The account's information is updated.
Alternative Flows	**Alternative flow 1: User deletes the required information.** 1. A notification is shown which tells the user not to delete the important information. 2. The user enters again information. **Alternative flow 2: User updates the account but doesn't click Save.** 1. A notification is shown which tells the user that the updates will not be made. 2. The user clicks the Save button.
Pre-conditions	User goes to the homepage Travelus.
Post-conditions	The user successfully updates the account's information.

2.14 Use-case: Delete an account

Use case Name	Delete an account.
Brief description	This use case describes how the Admin can delete an account of the Tour Guide/Customer.
Actors	Admin
Basic Flow	1. At the Admin homepage, the user clicks on the page Account. 2. The user searches the account name on the search bar, then clicks on the account. 3. The user clicks the Delete Account button. 4. A notification is shown and it asks the user if he/she wants to delete the account. 5. If the user clicks Yes, the account will be deleted. 6. If the user clicks No, the notification will disappear.
Alternative Flows	**Alternative flow 1: User accidentally deletes an account which is active.** A notification is shown which tells that the account is currently active (having booked a tour..).
Pre-conditions	User goes to the account page.
Post-conditions	The Admin successfully deletes an account of the Tour Guide/Customer.

2.15 Use-case: View customers in a tour

Use case Name	View customer in a tour
Brief description	This Use Case describes how the tour guide can view information about all users joining the same tour with the guide.
Actors	TourGuide

Basic Flow	1. User signs in as a tour guide. 2. Accessing a detailed tour page which the tour guide registered. 3. The tour guide clicks the label “Register list” to view the customer list who booked the tour.
Alternative Flows	**Alternative flow 1: System doesn’t show customer list** 1. Check user whether signs in as tour guide 2. Check whether the tour is registered by the tour guide
Pre-conditions	Tour guide goes to the detail tour homepage.
Post-conditions	Tour guide sees the information of all customers who have joined the tour.

2.16 Use-case: Create tour guide account

Use case Name	Create an account for tour guide
Brief description	This Use Case describes how the tour guide can have an account.
Actors	Admin
Basic Flow	1. Admin get information about tour guide. 2. Admin creates an account name and password for the tour guide. This account is authorized as “Tour guide” 3. Admin send account information to tour guide.
Alternative Flows	**Alternative flow 1: Tour guide created an account before or information is not correct** 1. Admin sent an email to the tour guide asking for information to be sent back
Pre-conditions	User login as admin having tour guide information.
Post-conditions	Tour guide can login to the website.