4. User Scenarios/Use Cases

User Scenarios

NUMBER	SCENARIO	DESCRIPTION
1	Guest crates account	Guests create accounts in order to fully use the application.
2	Guest logs in	Guests log in to their account using their credentials.
3	Profile page	Guests can view their own profile information.
4	Change credentials	Guests can change their username, password and email.
5	View timetable	Guests can check the timetable.
6	Book a trip	Guests can make a reservation.
7	Guest logs out	Guests can log out of their account.
8	Add new employee	Manager creates a new account for a new employee.
9	Update employee	Manager updates the account of an existing employee.
10	Remove an employee	Manager deletes an existing account of an employee from the system use.
11	Search employee	Manager searches for an employee account and views his profile.
12	Add new guest	Manager creates a new account for a new guest.
13	Update guest	Manager updates the account of an existing guest.
14	Remove a guest	Manager deletes an existing account of a guest from the system use.
15	Search guest	Manager searches for a guest account and views his profile.
16	Economist page	Economist views the daily sales and reservations.
17	Access past balances	Economist can check the sales for past months and years.

18	Future investments	Economist can view the investments planned for the future.
19	Add new investment	Economist can add to the investments page, when a new one is planned.
20	Enter costs	Economist enters costs to the system everyday, or at least every time a cost is payed.
21	Financial report	Economist reports all financial activities to managers.
22	Search page	Guest can search for their destination after writing all the details.
23	Departures	Shows all the available departures based on the details given by the guest.
24	Arrivals	Shows all the available arrivals based on the details given by the guest.
25	More information	Extra informations about the bus and the trip.
26	Your reservation	Guests can see the final details of their reservation.
27	Change	Guests can make changes to their final reservation.
28	Proceed to payment	Guests can pay online for their reservation.
29	Add a new manager	The main manager is the only one who can create the account of another manager.
30	Add client account	The main manager can add a new client account only with the verification code sent by the admin.
31	Check-in	Employees check-in to the system as they start the workday.
32	Check-out	Employees check-out at the end of the workday.
33	Working hours	The main manager has access to the working hours of the employees. Then he sends them to the other managers, so there are no manipulations.
34	Remove client account	Admin can delete a client account.
35	Remove client account II	The main manager can delete the client account through a verification code sent by the admin.

User Scenarios Extended

1. Guest creates account: a)User chooses his type
   b)He fills out the form with all the necessary information
   c)He presses the signup button
   d)He confirms his email by a confirmation email sent automatically
   e)He is redirected to his profile page after reloading the page

2. Guest logs in: a)Guest is directed the login page when initially entering the application
   b)Guest enters his password and username
   c)Guest presses the login button
   d)Guest is redirected to his profile page

3. Profile page: a)Guest logs in to his account
   b)Guest can see his personal information
   c)Guest can go the timetable by pressing the Timetable button
   d)Guest can change his credentials by pressing the Change credentials button
   e)Guest can log out by pressing the Logout button

4. Change credentials: a)Guest logs in to his account
   b)Guest presses the Change credentials button in the profile page
   c)Guest is redirected to the Change credentials page
   d)Guest presses the edit button to make changes
   e)Guest edits all the fields he wishes to
   f)Guest presses save button

5. View timetable: a)Guest logs in to his account
   b)Guest presses Timetable button
   c)Guest is redirected to the timetable page

d)Guest can scroll through the timetable

e)Guest presses Book button to make a reservation

6.Book a trip: a)Guest log in to his account

b)Guest presses the Timetable button

c)Guest is redirected to the timetable page

d)Guest presses the Book button to make a reservation

e)Guest chooses the destination, the date and the time

f)Guest enters his personal information regarding the payment method

g)Guest presses the Confirm button

7.Guest logs out: a)Guest logs in to his account

b)Guest finishes all the necessary actions

c)Guest presses the Logout button from any page he might be in

d)Guest is redirected to the login page

8. Add new employee: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Add new employee" from "Users" list

d) A new page is displayed and manager fill in the fields with the proper information for adding a new user

e) Manager presses "Submit" button

f) New employee is added in the system

9. Update employee: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Edit User" button and searches employee's name

d) If employee exist, manager can change the necessary fields to update

e) Manager presses "Save changes" button

f) If information is okay, a confirmation message is displayed "Employee updated successfully"

10. Remove an employee: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Edit User" button and searches employee's name

d) If employee exist, the employee's profile opens

e) Manager presses "Delete" button and a confirmation message is displayed "Employee deleted successfully"

11. Search an employee: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Search user" button in users list

d) Manager types the name of the employee in the Search field

e) If employee exist, his profile will display

f) If it does not exist, a message "No result found" will appear

12. Add new guest: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "New Guest" button

d) If there are requested from guest to open an account, manager can see his information and press "Register Guest"

e) A message "Guest added successfully" appears and the system sends an email to the guest with the same text

13. Update guest: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Edit Guest" button

d) If there are requested from guest to update an account, manager can see the changes and press "Update Guest"

e) A message "Guest updated successfully" appears and the system sends an email to the guest with the same text

14. Remove a guest: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Edit Guest" button

d) If there are requested from guest to deleete an account, the manager can see the changes and press "Confirm Delete"

e) A message "Guest deleted successfully" appears and the system sends an email to the guest with the same text

15. Search guest: a) Manager is logged in the system

b) Manager choses from the Main Menu, "UserAct" option

c) Manager presses "Search guest" button in Guest list

d) Manager types the name of the guest in the Search field

e) If employee exist, his profile will display

f) If it does not exist, a message "No result found" will appear

16. Economist page: a) Economist is logged in the system

b) Economist views the daily reservations and payments

c) Economist can click Past Balances, Future Investments or Enter Costs.

17.Access past balances: a) Economist is logged in the system
b) Economist clicks Past Balances.
c) The balances for past years and months appear including sales, costs and profit
d) Economist can click Back, Future Investments or select the year they want to access.

18.Future investments: a) Economist is logged in the system
b) Economist clicks Future Investments.
c) The investments planned for the future and the necessary payments appear.
d) Economist can click Back, Past balances, Add New or select the month they want to access.

19.Add new investment: a) Economist is logged in the system
b) Economist clicks Future Investments.
c) Economist clicks Add New
d) Economist enters the investment and the payment required
e) Economist clicks Save.

20.Enter costs: a) Economist is logged in the system
b) Economist clicks Enter Costs.
c) A page with a table for costs and money appears.
d) Economist fills the table for the costs of the day.
e) Economist clicks Save.
f) Economist can click Home.

21.Financial report:a) Economist is logged in the system
b) Economist checks all activity and reports it to managers.

22. Search page: a) Guests logs in.

b) Guest chooses One way or Round trip.

c) Guest chooses the city to which he will travel from, at From.

d) Guest chooses the city to which he will arrive to, at To.

e) Guest writes the date of departure, at Departure.

f) Guest writes the date of return, at Return.

g) Guest adds the number of passengers he will buy tickets for, at Passengers.

h) Guest clicks Search, to get the available trips.

23. Departures: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest reserves the departure trip that best fits his interest.

24. Arrivals: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest reserves the departure trip that best fits his interest.

f) Guest gets all the arrivals available, based on the details of the Search page.

g) Guest reserves the arrival trip that best fits his interest.

25. More information: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest clicks More information, to get extra informations about the bus and trip.

e) Guest reserves the departure trip that best fits his interest.

f) Guest gets all the arrivals available, based on the details of the Search page.

h) Guest clicks More information, to get extra informations about the bus and trip.

g) Guest reserves the arrival trip that best fits his interest.

26. Your reservation: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest reserves the departure trip that best fits his interest.

f) Guest gets all the arrivals available, based on the details of the Search page.

g) Guest reserves the arrival trip that best fits his interest.

h) Guest can see the final details of their reservation.

27. Change: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest reserves the departure trip that best fits his interest.

f) Guest gets all the arrivals available, based on the details of the Search page.

g) Guest reserves the arrival trip that best fits his interest.

h) Guest can see the final details of their reservation.

i) Guest clicks Change, if he wants to make any change to their final reservation.

28. Proceed to payment: a) Guest logs in.

b) Guest completes the details of Search page.

c) Guest gets all the departures available, based on the details of the Search page.

d) Guest reserves the departure trip that best fits his interest.

f) Guest gets all the arrivals available, based on the details of the Search page.

g) Guest reserves the arrival trip that best fits his interest.

h) Guest can see the final details of their reservation.

i) Guest completes his card details, to make online payment for the ticket/s.

29. Add a new manager: a) Main Manager is logged in the system
b) Main Manager choses from the Main Menu, "UserAct" option
c) Main Manager presses "Create new Account" button
d) Chooses one of the option, "Manager" one then "Submit" button
e) The main manager fills the empty boxes with the right information about the manager, then press "Register"
f) A message "Employee named _____, successfully registered.
g) At the same page appear three buttons: "Edit", "Delete", "Back at my page"

30. Add client account: a) Main Manager is logged in the system
b) Main Manager choses from the Main Menu, "UserAct" option
c) Main Manager presses "Clients Account" button
d) A message appears: " To access these datas, you should have Admin permission"
e) Two buttons appear as well: "send message to admin" and "send email to admin
f) After you click one of the buttons a box that contains only numbers appears. You have to minutes to put the verification code in there
g) Then press "done"

31. Check-in: a) Employee logs in
b) Employee is directed to the main page
c) Worker types the code
d) Employee is shown a confirmation window that he is checked-in on the system
e) Employee hits "Ok" button and is directed to login page, meaning he has

finished with the system for now

32. Check-out: a) Employee logs in
   b) Employee is directed to main page
   c) Employee types the code
   d) Employee is shown a confirmation window that he is checked-out from the system
   e) Employee hits "Ok" button and is out of the system

33. Working hours: a) Main Manager is logged in the system
   b) Main Manager choses from the Main Menu, "UserAct" option
   c) Main Manager presses "TimeTable" button
   d) Two buttons appear: "Manager" and "Employee"
   e) Each button takes you to the hours each employee has done, daily, weekly and
      Yearly.
   f) at the end of the page are to options: "Print" and "Email"
   g) He sends them to the respective manager, who takes care of this information.

34. Remove client account: a) Admin logs in
   b) Chooses from the Main Menu, "Log in" option
   c) Admin presses "Client Account" button
   d) Three options appear: "Create Account", "Update" and "Remove"
   e) Press "Remove" button
   d) the tabel with the clients appear and you press on the client's name and then
      press remove button at the end.

35. Remove Client Account II: Main Manager is logged in the system
   b) Main Manager choses from the Main Menu, "UserAct" option
   c) Main Manager presses "Clients Account" button
   d)A message appears: " To access these datas, you should have
      Admin permission"
   e) Two buttons appear as well: "send message to admin" and
      "send email to admin
   f) After you click one of the buttons a box that contains only
      numbers appears. You have to minutes to put the verification
      code in there
   g) Then press "done"
   k) You will be able to access to the clients account and remove them.

Use Cases

Name	Guest creates account (UC_1)
Summary	Guests create accounts in order to fully use the application.
Actor	Guest
Description	Each guest of the application in order to log in needs to firstlly create an account using his credentials.
Precondition	The guest must have a device connected to the internet.
Alternatives	If the guest already has an account he can just log in.
Post condition	The new guest will have an account.

Name	Guest logs in (UC_2)
Summary	Guests log in in order to fully use the application.
Actor	Guest
Description	Each guest of the application in order to fully use the application needs to log in to his account using his credentials.
Precondition	The guest must have a device connected to the internet.
Alternatives	There is no alternative.
Post condition	The guest will be logged in.

Name	Profile page (UC_3)
Summary	Guests can view their own profile information.
Actor	Guest
Description	Guests can view their own profile information, go to the timetable or make changes to their credentials.
Precondition	The guest must be logged in.
Alternatives	There is no alternative.
Post condition	The guest will be displayed information and he will be redirected to another page.

Name	Change credentials (UC_4)
Summary	Guests can change their credentials.
Actor	Guest.
Description	Guests can change different information about them like their username or their password. Certain information like the ID number will not be changeable though.
Precondition	The guest must be logged in.
Alternatives	The guest can only look at their information without making changes.
Post condition	The guests' information will be changed.

Name	View timetable (UC_5)
Summary	Guests can view the timetable.
Actor	Guest
Description	Guests can view the timetable where different information about the rides is shown and can then make a reservation.
Precondition	The guest must be logged in.
Alternatives	The guests can only view the timetable but not make a reservation.
Post condition	The guest will have a reservation or just information about the rides.

Name	Book a trip (UC_6)
Summary	Guests can make a reservation.
Actor	Guest
Description	After seeing the timetable, the guests can make a reservation using a number of different payment methods.
Precondition	The guest must be logged in.
Alternatives	The guest after filling the form with all the necessary information, can decide to not make a reservation.
Post condition	The guest will have a reservation.

Name	Guest logs out (UC_7)
Summary	Guests can log out of their account.
Actor	Guest
Description	After the guest has finished what he came to do, he can log out of his account from any page of the application using the Logout button.
Precondition	The guest must be logged in.
Alternatives	The guest can decide not to log out.
Post condition	The guest will be redirected to the login page.

Name	Add new employee (UC_8)
Summary	Manager creates a new account for a new employee.
Actor	Manager
Description	Manager can create a new account by filling the right information and pressing the submit button in UserAct.
Precondition	Manager should be logged in. The employee should be part of the system.
Alternatives	If information filled is valid, employee is added and he receives a confirmation email. If not, manager should change the information.
Post condition	A new employee is added to the system.

Name	Update employee (UC_9)
Summary	Manager updates the account of an existing employee.
Actor	Manager
Description	Manager can update an existing employee by making the necessary changes and pressing the update.
Precondition	Manager should be logged in. The employee should be part of the system.
Alternatives	If information filled is valid, employee is added and he receives a confirmation email. If not, manager should change the information.
Post condition	Employee's information are updated

Name	Remove an employee (UC_10)
Summary	Manager deletes the account of an existing employee.
Actor	Manager
Description	Manager deletes an existing account of an employee from the system use, by searching and pressing the delet button.
Precondition	Manager should be logged in. The employee should be part of the system.
Alternatives	If the employee's account does not exist, the manager should search again or the employee is already deleted.
Post condition	Employee's account is deleted

Name	Search an employee (UC_11)
Summary	Manager can search the account of an existing employee.
Actor	Manager
Description	Manager can search an existing employee by going at User Search and search by name of the employee
Precondition	Manager should be logged in. The employee should be part of the system.
Alternatives	If employee does not exist, a message will appear saying "No result found"
Post condition	Employee's information(profil) will display

Name	Add new guest (UC_12)
Summary	Manager can add the account of a new guest
Actor	Manager, Administrator
Description	Manager presses New Guest button and confirm the request from a new user of system
Precondition	Manager should be logged in. The guest should have sent a request to be added in the system.
Alternatives	If the information are not correct the request will not go through
Post condition	New guest will be added in the system

Name	Update a guest (UC_13)
Summary	Manager can update the account of a guest
Actor	Manager, Administrator
Description	Manager presses Edit Guest and if there are any requests he will confirm the changes and update the guest.
Precondition	Manager should be logged in. The guest should have sent a request to be updated in the system.
Alternatives	If the information are not correct the request will not go through
Post condition	Guest information will be updated in the system

Name	Remove a guest (UC_14)
Summary	Manager deletes an existing account of a guest from the system use.
Actor	Manager, Administrator
Description	Manager presses Edit Guest and if there are any requests to delete an account he will confirm the changes and delete the guest.
Precondition	Manager should be logged in. The guest should have sent a request to be deleted from the system.
Alternatives	If there are no requests, manager will go back
Post condition	Guest will be deleted from the system

Name	Search a guest (UC_15)
Summary	Manager can search the account of an existing guest.
Actor	Manager, Administrator, Economist
Description	Manager can search an existing guest by going at User Search and search by name of the guest in the Guest list

Precondition	Manager should be logged in. The guest should be part of the system.
Alternatives	If guest does not exist, a message will appear saying "No result found"
Post condition	Guest's information(profil) will display

Name	Economist page (UC_16)
Summary	Economist accesses their page
Actor	Economist
Description	Economist can view the daily sales and reservations.
Precondition	Economist should be logged in.

Name	Access past balances (UC_17)
Summary	Economist views past financial balances
Actor	Economist
Description	Economist can check the sales for past months and years.
Precondition	Economist should be logged in and have clicked Past Balances.

Name	Future investments (UC_18)
Summary	Economist views planned investments
Actor	Economist
Description	Economist can view the investments planned for the future detailed by description and payment.
Precondition	Economist should be logged in and have clicked Future Investments.

Name	Add new investment (UC_19)
Summary	Economist adds a new investment planned.
Actor	Economist
Description	Economist adds to the investments page, when a new one is planned.
Precondition	Economist should be logged in and have clicked Future Investments, then Add New.

Name	Enter costs (UC_20)
Summary	Economist enters the business` costs
Actor	Economist
Description	Economist enters costs to the system everyday, or at least every time a cost is payed.
Precondition	Economist should be logged in and have clicked Enter Costs.

Name	Search page (UC_22)
Summary	Guest can search for their destination after writing all the details.
Actor	Guest
Description	Guest completes all the details of the trip he wants to search for, like cities, dates and number of passengers.
Precondition	Guest must be logged in.
Alternatives	No alternatives.
Post condition	Guest gets the information he wants about the trip.

Name	Departures (UC_23)
Summary	Shows all the available departures based on the details given by the guest.
Actor	Guest
Description	Guest can get information about all the available departures, based on the details he wrote at the Search page.
Precondition	Guest has to complete the Search page details.
Alternatives	No alternatives.
Post condition	Guest has to make a reservation.

Name	Arrivals (UC_24)
Summary	Shows all the available arrivals based on the details given by the guest.
Actor	Guest
Description	Guest can get information about all the available arrivals, based on the details he wrote at the Search page.
Precondition	Guest has to complete the Search page details and make a reservation at Departure page.
Alternatives	No alternatives.
Post condition	Guest has to make a reservation.

Name	More information (UC_25)
Summary	Extra informations about the bus and the trip.
Actor	Guest
Description	Guest can get information about the company, wifi, duration of the trip etc.
Precondition	Guest has to complete the Search page details.
Alternatives	Guest can continue with the reservation, without clicking it.
Post condition	Guest makes or not the reservation.

Name	Your reservation(UC_26)
Summary	Guests can see the final details of their reservation.
Actor	Guest
Description	Here the guest can see the final informations about what he has chosen to reserve about his trip.
Precondition	Guest has to make a reservation.
Alternatives	No alternatives.

Post condition	Guest can change any details he wants to, or continue to reserve the reservation with or without paying online.

Name	Change (UC_27)
Summary	Guests can make changes to their final reservation.
Actor	Guest
Description	Helps the guests to make any change on their reservation, like the date, time etc., before they confirm their reservation.
Precondition	Guest has to make a reservation.
Alternatives	Continuing to make the reservation.

Name	Proceed to payment (UC_28)
Summary	Guests can pay online for their reservation.
Actor	Guest
Description	Guests writes their card details, so they can pay online for the ticket/s.
Precondition	Guest has to make a reservation.

Alternatives	Not paying online.
Post condition	Guests get the ticket, which shows that they have made the payment.

Name	Add new manager(UC_29)
Summary	Main Manager creates a new account for a new manager.
Actor	Main Manager
Description	Main Manager can create a new account by filling the right information and pressing the submit button in UserAct.
Precondition	Main Manager should be logged in.
Alternatives	If information filled is valid, manager is added and he receives a confirmation email. If not, manager should change the information.
Post condition	A new manager is added to the system.

Name	Add client account(UC_30)
Summary	Main Manager creates a new client account.
Actor	Main Manager
Description	Main Manager can create a new account by filling the right information and pressing the submit button in UserAct.
Precondition	Main Manager must be allowed from the admin to continue
Alternatives	If information filled is valid, client is added and he receives a confirmation email. If not, client should email the main manager the right information.
Post condition	A new client is added to the system.

Name	Check-in(UC_31)
Summary	Employee check-in to the system as they start the workday
Actor	Employee
Description	Employee logs in and types his code and confirms his presence
Precondition	Employee must be registered first from the manager
Post condition	Confirmation done

Name	Check-out(UC_32)
Summary	Employee check-out of the system when they finish the workday
Actor	Employee
Description	Employee logs in and types his code and confirms he has finished the workday
Precondition	Employee must be registered first from the manager
Post condition	Confirmation done

Name	Working Hours(UC_33)
Summary	Main Manager access the working hours of employees and managers
Actor	Main Manager
Description	Main Manager takes the hours and sends them to the respective manager
Precondition	Main Manager should be logged in.

Name	Remove Client (UC_34)
Summary	Admin removes the client account
Actor	Admin
Description	Admin is the only one who can have the access to the clients account and only pass it to the main manager
Precondition	Admin must be logged in.
Post condition	The client account is removed

Name	Remove Client Account II (UC_35)
Summary	Main Manager has access to remove the client account
Actor	Main Manager
Description	Main Manager can remove the client account with the admin permission
Precondition	Main Manager must be logged in and have the admin permission first, so he can access next
Alternatives	If he can not delete it, he needs to do a second verification.

| Post condition | Client account removed |