**3.4. System Models**

**Scenario 1:**

**Scenario Name: Sign-Up**

**Participant actor instances: Darwin : Consumer**

The flow of events:

1. Darwin wants to sign-up the system. In order to do that he has to sign-up to the system. When he

entered the site he touch \*color\* sign-up button which is located to the \*location of button\*.

2. The upcoming page consists of required information. So, Darwin fills the information which are:

name, surname, nickname, sex, profile photo(not required) e-mail address, social security number confirmation. Darwin filled blanks and agrees on terms & conditions then press the sign-up button.

3. If done, the new page informs the user to activate his membership via. e-mail address. Random generated password is sent to the user's given mail address.

4. The new page informs the user to enter with random generated password which sent to e-mail address. After log in with random generated password user fill the new password blank. System change users password from database.

**Scenario 1 Extensions:**

2a)After touching the sign-up button if any error occurs user is informed and wrong information are shown with red color. After re-filling, Darwin clicks the sign-up button again.

3a) If any error occurs event #3 is followed.

**Scenario 2:**

**Scenario Name : Log-in**

**Participant actor instances: Darwin: Member of the site**

The flow of events:

1. Darwin opens the \*application name\* mobile application by ios device in order to log in.

2. The \*can be nickname\* e-mail address and password fields are filled. He touch the sign-in button.

4. Both password and email match, there is no error so logging in process is successfully

completed.

5. System briefly asks Darwin if he wants to be remembered next time he attempts logging in.

6. He chooses yes.

**Scenario 2 Extensions:**

2a. Darwin inputs wrong email or password so logging in the process fails and system give alert which written “wrong email or password”. He is asked to recheck the information he provided.

2b. Darwin inputs wrong email or password so logging in the process fails. He is asked to recheck the information he provided. He realized he has forgotten his password. The system guides him to reset the password by sending a new random generated password to his attached email address. After he enters email which comes email, he change with new password.

5. He chooses no so next time he tries logging he has to manually input all his information.

**Scenario 3:**

**Scenario Name: Edit Profile**

**Participant actor instances: Gamze: Member of the site**

Flow of events:

1. Gamze is an existing user and she wants to make some modifications to her profile.

2. She logs into the system.

3. She can choose to modify:

- profile picture

- information

4. She makes the change she wants to make and clicks save changes.

**Scenario 4:**

**Scenario name: Log-out**

**Participant actor instances: Aden: Member of the site**

Flow of events:

1. Aden decides to log out from account.

2. He looks for the log out button at the \*location of button\*top right next to his profile” and touch it.

3. System immediately logs him out.

**Scenario 5:**

**Scenario name: Update User Info**

**Participant actor instances: Larry : Admin , Matt : Manager**

1.Larry enters the application to log in.

2. He chooses the administration log in to get in to the system.

3. He types his e-mail and password to log in and then clicks to continue.

4. Then, he finds the “Manager lists” option and clicks it.

5. In that list, he finds the Matt, who is a manager.

6. He clicks Matt’s profile and then clicks edit.

7. He changes Matt’s password and clicks “save”.

8. A warning appears to the screen which says “ Are you sure?”

9.He taps “Continue” .After he clicks continue, new password is being saved in the database and the system shows a message which says “ Operation successfully done”.

10.After the change, he finishes his job and clicks “log out.

**Scenario 6:**

**Scenario Name: Delete User Account**

**Participant Actor Instances: Neşet: Admin, Kenan: Manager**

One of the managers-Kenan- which was working at the company left his job. The company wants to remove his account from the system.

1. Neşet enters the application to log in.

2.He chooses the administration login to get in to the system.

3. He types his e-mail and password to login and then taps to continue.

4. He finds the “Manager Lists” option and taps it. In that list, he finds Kenan.

5.He taps Kenan’s profile and then taps delete.

6. A warning appears to the screen which says “ Are you sure?” .

7.He taps “Continue”, Kenan’s profile is being deleted from the database and the system shows a message which says “Operation successfully done”.

8. After the deletion, he taps “log out” and exits.

**Scenario 7:**

**Scenario Name: Edit Booking**

**Participant Actor Instances: Neşet: Admin, Ayyüce: Customer**

A customer, whose name is Ayyüce, wants to change her ticket destination from İstanbul (departure 19.45) to Antalya(22.00).

1. Neşet enters the application to log in.

2.He chooses the administration login to get in to the system.

3. He types his e-mail and password to login and then taps to continue.

4. He chooses “Manage Booking” function.

5. He chooses “ Edit Booking” function.

6. On searching bar, he searchs Ayyüce, the customer.

7. He taps Ayyüce’s profile ,then taps travel information.

8.He chooses her İstanbul ticket and taps “Change”.

9. He chooses the 22.00 departure to Antalya from the departure list and taps confirm.

10. A warning appears to the screen which says “ Are you sure?” .

11.He taps “Continue”, the destination changes as Antalya.

12. After the change, he logs out.

**Scenario 8:**

**Scenario Name: Delete Booking**

**Participant Actor Instances: Neşet: Admin, Ayten: Customer**

A customer, whose name is Ayten, wants to delete his travel to Amasya(17.00)

1. Neşet enters the application to log in.

2.He chooses the administration login to get in to the system.

3. He types his e-mail and password to login and then taps to continue.

4. He chooses “Manage Booking” function.

5.He chooses “Delete Booking” function.

6.On searching bar, he searchs Ayten,the customer.

7. He taps Ayten’s profile ,then taps travel information.

8.He chooses her Amasya ticket and taps “Delete”.

9. A warning appears to the screen which says “ Are you sure?” .

10.He taps “Continue”, the departure is deleted.

11. After the deletion, he logs out.

**Scenario 9: Freeze Account**

**Participant Actor Instances: Kerem: Customer**

A customer, whose name is Kerem, wants to freeze his account.

1. Kerem enters the application to log in.

2.He chooses the customer login to get in to the system.

3. He types his e-mail and password to login and then taps to continue.

4. He taps the function “Manage Account”.

5. On the new page, he taps the function “Freeze Account.”

6. A warning message is seen to the Kerem which says “ Are you sure?”

7. He taps “ Continue”.

8. A message appears which says “ Process is successful”.

9. System logs him out to the system.

**Scenario 9: Buy Ticket**

**Participant Actor Instances: Ekin: Customer**

A customer, whose name is Ekin, wants to buy a ticket to İzmir, 18.45 departure.

1. Ekin enters the application to log in.

2. She chooses the customer login to get in to the system.

3. She types her e-mail and password to login and then taps to continue.

4. She chooses the function “ Buy ticket”.

5. She checks the list and chooses the İzmir travel at 18.45 on her planned date.

6. The system shows the information about the customer and the trip.

7. She checks the information, then taps to “Check out”.

8. The system shows the ticket cost to her and leads her to the payment part.

9. She writes her credit card info and taps the “Buy now” button.

10. The system gets the payment.

11. The system shows a message which says “ Process successfully done.”

**Scenario 9 Extensions:**

10. The payment fails. System wants customer to enter her credit card information again.

**Scenario 10: Delete Trip**

**Participant Actor Instances: Deniz: Admin**

The company wants to remove the trip to Eskişehir at 18.00

1. Deniz enters the application to log in.

2.She chooses the administration login to get in to the system.

3. She types her e-mail and password to login and then taps to continue.

4. She chooses the function “Edit Bus Schedule”.

5. She chooses the function “Delete Trip”.

6. She chooses the targeted date ,18.00 and the targeted trip to Eskişehir.

7. She deletes the information of the trip and taps done button.

8. System shows the message “Are you sure?”. She taps to continue.

9. System completes deleting the trip.

**Scenario 11: Update Trip**

**Participant Actor Instances : Nur: Manager**

The company wants to update the trip to Ankara from 16.00 to 16.45

1. Nur enters the application to log in.

2.She chooses the administration login to get in to the system.

3. She types her e-mail and password to login and then taps to continue.

4. She chooses the function “Edit Bus Schedule”.

5. She chooses the function “ Update Trip”.

6. She chooses the targeted date, 16.00 and the targeted trip to Ankara.

7. She edits the information of the departure time as 18.00 and taps done button.

8. System shows the message “Are you sure?”. She taps to continue.

9. System completes editing the trip.

**Scnerio 12:**

**Scenario Name : Buy Ticket**

**Participant actor instances: Newton: Member of the App**

1. Newton decided to buy round ticket to Eskisehir. He opens the app log in his account.

2. After he logged in, he selects the dates of trip then touches the ‘’search’’ button.

3. System lists all possible trips with related to given date. He also can see the time and cost of the trip.

4. He first choose the departure trip then system lists the arrival tickets. Same as before he can see all the details of trip. When he chooses arrival ticket system calculates total cost and guide him to make payment.

5. After he touches ‘’buy’’ system directs him to payment step.

6. He enters his credit card information and agrees the contract. A message and E-mail sent automatically.

7. Know he can see his ticket through his account by using left menu.

8. Sent messages includes e-ticket information in order to get the trip.

**Scenario 12 Extensions:**

1.a. Newton enters wrong password or invalid mail address.

b. He realized that he forgot the password. To reset password he selects reset password which is located under login screen.

c. He fills his mail address and system sends new generated password to his mail address.

d. He enters given passwords then login.

e. When he login system automatically wants new password. He enters new password then click save.

**Scnerio 13:**

**Scenario Name : Add Trip**

**Participant actor instances: Walter: Manager of the system**

1.Walter, wants to add additional trips to Antalya due to popular demand on Ramadan Feast.He login through app and selects add trip button.

2.He fills the date and time to add a new trip. System checks the time and want some more details as capacity, bus model. He enter related info and then touches red ‘’add trip’’ button.

3.When addition is complete system give feedback ” trip number XXXX successfully added’’.

**Scenario 13 Extensions:**

1.a. He entered his e-mail or password incorrect.

b. These flow of events and conditions are all same for the actors of ‘customer’s.

**Scnerio 14:**

**Scenario Name : Delete User**

**Participant actor instances: Jesse: Admin**

1.One of manager of the company quit. Jesse wants to delete his manager account. He log in to app and click list managers button.

2.All managers of the company are listed in name order. He find the manager and click the delete account button.

3.System warns him ‘’Do you want to delete a User’’,admin clicks red yes button then system deletes the manager successfully.

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| **Use Case Name** | Sign-up |
| **Participating Actor** | Consumer |
| **Entry Condition** | Consumer opens application |
| **Flow of Events** | 1. Consumer touch the ‘Sign Up’ button.  2. The application go to sign up page. Give the signup form to user.  3. Consumer fill the blanks about information ‘Sign Up’.  4. Consumer touch the ‘Sign up’ button  5. The application checks the e-mail address is valid or not.  6. The application checks the other required blanks are filled.  7. Application check is true then save the information to database. |
| **Exit Condition** | Consumer fills correctly and touch sign up button. |

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| **Use Case Name** | Log-in |
| **Participating Actor** | Consumer |
| **Entry Condition** | Consumer opens application |
| **Flow of Events** | 1. Consumer touch the ‘Log-in’ button.  2. The application go to log-in page. Give the login form to user.  3. The consumer enters his/her e-mail address into e-mail address text field on the screen, also enters his/her password into password text field on the screen.  4. Consumer touch the ‘log-in’ button and sends a request to the system.  5. The application checks the e-mail and password is included in database. If it is not true application gives eror41 if is true application logs in. |
| **Exit Condition** | Consumer fills correctly and touch log-in button. |

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| **Use Case Name** | Edit Profile |
| **Participating Actor** | Consumer |
| **Entry Condition** | Consumer needs to login to the system. |
| **Flow of Events** | 1. Consumer touch the edit profile logins to the system.  2. The application go to edit profile page and give the consumer list of information which loaded from database.  3. Consumer fill the blanks about information which he/she want to change.  4. Consumer save the changes  5. New changes are saved in database.  6. System is updated with new changes.  7. System gives feedback about completing the changes. |
| **Exit Condition** | Consumer touch ‘Save’ button |

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| **Use Case Name** | Log-Out |
| **Participating Actor** | Consumer |
| **Entry Condition** | Consumer needs to login to the system. |
| **Flow of Events** | 1.Consumer go to profile menu.  2.Consumer touch log-out button for exit from account on phone. |
| **Exit Condition** | Consumer touch log-out button. |

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| **Use Case Name** | Update User Info |
| **Participating Actor** | Admin |
| **Entry Condition** | The admin needs to login to the system. |
| **Flow of Events** | 1.Admin logins to the system.  2. Admin enters the manager accounts list.  3.Admin chooses the manager’s profile to edit the information.  4.Admin makes the changes which have been planned. (Username, password changes)  5. New changes are saved in database.  6. System is updated with new changes.  7. System gives feedback about completing the changes. |
| **Exit Condition** | The admin updates the information on manager accounts. |

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| **Use Case Name** | Delete User Account |
| **Participating Actor** | Admin |
| **Entry Condition** | The admin needs to log in to the system. |
| **Flow of Events** | 1. Admin logins to the system. 2. Admin enters the manager accounts list. 3. Admin selects the manager account. 4. Admin selects the option “Delete Account”. 5. The information about the selected manager is deleted from database. 6. System gives feedback about deleting the account. |
| **Exit Condition** | The admin deletes the selected manager account. |

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| **Use Case Name** | Delete Booking |
| **Participating Actor** | Admin & Manager |
| **Entry Condition** | The admin or the manager need to log in to the system. |
| **Flow of Events** | 1.Admin(manager) logins to the system.  2. Admin(manager) chooses the function “Delete Booking”.  3. Admin(manager) chooses the person from customer list.  4. Admin(manager) sees the travel information of customer.  5. Admin(manager) chooses the targeted departure and click “Delete”.  6. System gives feedback about deleting the booking. |
| **Exit Condition** | The admin(manager) deletes the selected booking. |

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| **Use Case Name** | Edit Booking |
| **Participating Actors** | Admin & Manager |
| **Entry Condition** | The admin or the manager need to log in to the system |
| **Flow of Events** | 1. Admin(manager) logins to the system.  2.Admin(manager) chooses the function “Edit Booking”  3.Admin(manager) chooses the person from customer list.  4. Admin(manager) sees the travel information of the customer.  5. Admin(manager) chooses the targeted departure and click “Change”.  6. Admin(manager) chooses the new departure from the departure list and clicks confirm.  7. System gives feedback about editing the booking. |
| **Exit Condition** | The admin(manager) edits the selected booking. |

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| **Use Case Name** | Add trip |
| **Participating Actor(s)** | Admin & Manager |
| **Entry Condition** | Admin/Manager needs to login to system. |
| **Flow Of Events** | 1. Admin/Manager get access to add trip function through the system.  2. Admin/Manager choose the related date to add trip.  3. The system lists the trips that are in given date for information.  4. Admin/Manager fill the info blanks of trip as capacity,bus model then clicks add button.  5. System checks the info and confirm show as successfully added. |
| **Exit Condition** | System adds the trip successfully. |

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| **Use Case Name** | Update Trip |
| **Participating Actor(s)** | Admin & Manager |
| **Entry Condition** | Admin/Manager needs to login to the system. |
| **Flow Of Events** | 1. Admin/Manager get access to update trip function through the system.  2. Admin/Manager choose the related date to update the trip.  3. The system lists the trips that are in given date.  4.Admin/Manager selects the trip needs to be updated.  5.Admin/Manager edits the information of trip then clicks done button.  6.System checks and successfully updates the info of trip. |
| **Exit Condition** | System successfully updates the trip. |

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| **Use Case Name** | Buy Ticket |
| **Participating Actor(s)** | Customer |
| **Entry Condition** | Customer needs to open the app and needs to sign in. |
| **Flow Of Events** | 1.Customer selects dates and lists the trips,the system list the trips from database.  2.Customer checks the list and selects a trip and click next.  3.Customer checks the trip info and add additional info if needed(must be another person).  4.The system list the all information about trip and person(s) that are in trip.Consumer clicks check-out button.  4.The system calculate total cost and guide consumer to make payment.  5.Consumer fills his/her credit card info and clicks buy now button.  6.The system gets the cost of the trip given credit card information.  7.The system send feedback if proccess is done. |
| **Exit Condition** | Successfull payment and check-out. |

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| **Use Case Name** | Delete Trip |
| **Participating Actor(s)** | Admin/ Manager |
| **Entry Condition** | Admin/Manager needs to login to system. |
| **Flow Of Events** | 1. Admin/Manager get access to delete trip function through the system.  2. Admin/Manager choose the related date.  3. The system lists the trips that are in given date.  4.Admin/Manager selects the trip needs to be deleted.  5.Admin/Manager deletes the information of trip then clicks done button.  6. System shows a message says “ Are you sure?”  7. Admin/Manager taps “continue.”  6.System checks and successfully deletes the info of trip. |
| **Exit Condition** | Admin/Manager deletes the selected trip. |

**Scenario …**

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**-Advice for Scenario name - |**

**Scenario name : create trip |**

**Scenario name : add credit card |**

**Scenario name : view trips |**

**Scenario name : edit trip |**

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