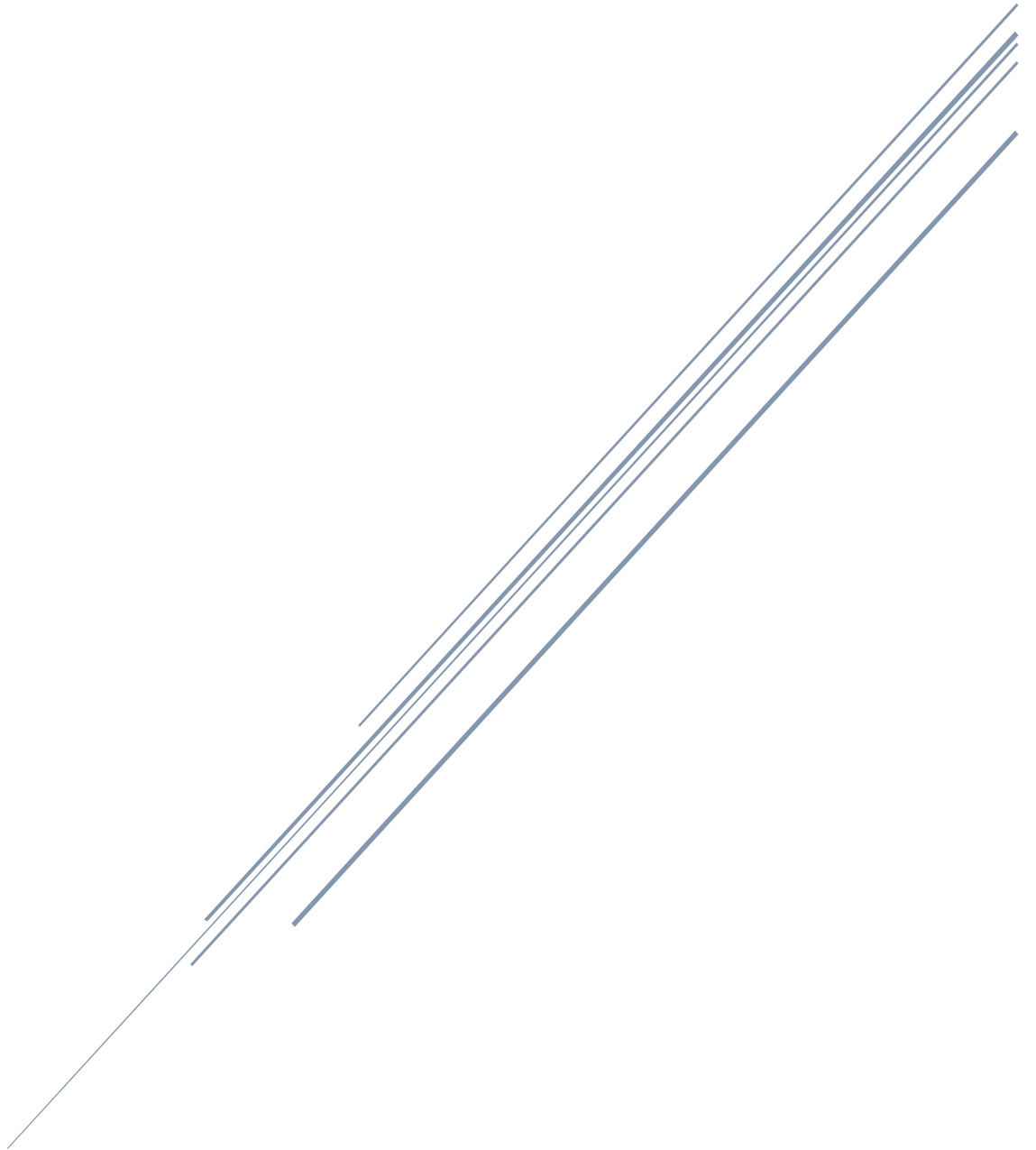# ASSIGNMENT 1

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Use Case UC1: Flight Booking

Scope: Online flight ticket booking from Turkish Airlines' website

Primary Actor: Website

Stakeholders and Interests:

- Website: Wants to Show available flights to referneces of the user and with no error navigate her to the and of the booking.
- User: Wants to book her flight with little to no changes on her preferences.
- Company: Wants to record the flight and passenger details, have payment from the ticket sale.
- Government Tax Agencies: Wants to collect tax from every ticket sale.
- Payment Authorization Service: Wants to receive digital authorization request online and receive the correct code as well.

Preconditions:

User has internet connection.

User has input and output devices to navigate on the website.

Website is on and gives acces to user.

Success Guarantee: Booking is saved. Tax and other expanses correctly calculated. Payment is taken. User has the online copy of the ticket for her desired flight/s.

Main Succes Scenario:

1. User visits https://online.turkishairlines.com/internet-booking/schedule.tk webpage.
2. System prompst for trip type, departure city/airport, destination city/airport, departure date, return date and passenger number.
3. User selects One-way filght type.
4. System locks return date.
5. User chooses departure city/airport and destination city/airport.
6. User chooses departure date.
7. User chooses passenger number.
8. User clicks "Next" button.
9. System direct the user to Availability page and shows departure dates.
10. User chooses outbound flight.
11. System shows prices of the ticket, sum of taxes, fees and carrier charges and service fee, lastly total of all of them and date and time of the flight and landing with airports and cities.
12. User clicks any of the "Continue" buttons.
13. System directs user to Passenger Details page and prompts the user to fill passenger details for all passengers and contact details.
14. User fills passenger details for each passenger.
15. User fills contact details.

16. User clicks "Next" button.
17. System directs user to Payment page and shows flight details and prompts for credit card information for payment.
18. User fills credit card details
19. User fills address information of cardholder.
20. User clicks "Next" button.
21. User is directed to online payment authentication page of her credit card company.
22. Credit card company sends secure code to user through informed ways.
23. User fills the code area.
24. User clicks "Ok" button.
25. Credit card company takes the payment from the card owner.
26. System shows the finalized details of the ticket on the screen and sends the online copy of the ticket to user as e-mail.

Extensions:

3-23. User closes the internet browser.

1. All information regarding the operations done to the closing moment is lost.

9-19. User gives no input to website for ten minutes.

1. System prompts whether user wants to continue booking action.

2. User answers positively.

3. User continues her action from where she left.

9-19.2a. User answers negatively.

1. System redirects the user to the unfilled flight preferences page.

4a. User chooses international flight.

1. System prompts for cabin class and date preference.
2. User fills cabin preference.
3. User chose Flexible on dates preference.
4. User clicks "Next" button.
5. System shows flights with available dates.

4a.3a. User chose Must travel on these dates preference.

1. User clicks "Next" button.
2. System shows available flights.

4a.3a.2a. System directs the user to an information page that tells user that it has no available flighs on chosen date.

3a. User chooses Round Trip flight type.

1. System leaves return date enabled.
2. User chooses return date.
3. User chooses passengers.
4. User clicks "Next" button.

5. System shows departure dates.
6. User chose outbound flight.
7. System shows prices of the ticket, sum of taxes, fees and carrier charges and service fee, lastly total of all of them and date and time of the flight and landing with airports and cities
8. System shows available outbound flights
9. User chooses outbound flight.
10. System shows prices of the tickets, sum of taxes , fees and carrier charget and service fee , lastly total of all of them in sum for both tickets and date and time of the flight and landing with airports and cities

3b. User chooses Multi Destination flight type

1. System prompts for flight date, departure city/airport, destination city/airport.
2. User fills the information.
3. User clicks plus "+" button to add next flight.
   User repeats step 2-3 until she has no desired flight left, system repeats step 1 until user satisfied with flight numbers.
4. User chooses passengers.
5. User clicks "Next" button.
6. System shows the available flights for all flights.
7. User chooses flights.
8. System shows prices of the tickets, sum of taxes, fees and carrier charges and service fee, lastly total of all of them and date and time of the flights and landing with airports and cities for each.
   User repeats step 6 until no flights left.
   System repeats step 7 until no flights left.

3b.2a. User chooses more than 2 international flights for the same day

1. User clicks "Next" button.
2. System warns the user no to chose more than 2 international flights within the same day and redirects user to previously filled flight planning page.

6a. User chooses more numbers of infants than numbers of adults.

1. User clicks "Next" button.
2. System redirects the user to the previously filled Flight Planning page and warns user to not to chose the number of infants more than the number of adults.

9-10, 3a.(5-10). User clicks "Start Over" button

1. System redirects the user to filled Flight Planning page.

12-14. User clicks "Back" button

1. System redirects the user to filled Flight Planning page.

3b.(6-8). User clicks "Start Over" button

1. System redirects the user to empty Flight Planning page.

16-18. User clicks Logout button

1. System redirects the user to empty Flight Planning page

14a. User does not fill at least one detail.

1. User clicks "Next" button.
2. System redirects user to previously filled Passenger Details page.
3. System highlights left out passenger detail for each unfilled detail.

15a. User does not fill at least one contact information.

1. User clicks "Next" button.
2. System redirects user to previously filled Passenger Details page.
3. System highlights left out contact information for each unfilled information.

8-10. User clicks "Modify" button.

1. System enables user to change departure date return date and passenger number.
2. User makes changes at least one of the areas.
3. System redirects the user to the availability page with updated preferences.

8-10, 3a.(6-10). User clicks "Next" button on Outbound flight section.

1. System redirects the user to Avilibility page with the flight information of outbound flights of next week.

8-10, 3a.(6-10). User clicks "Previous" button on Outbound flight section.

1. System redirects the user to Avilibility page with the flight information of outbound flights of previous week.

3a.(6-10). User clicks "Next" button on Inbound flight section.

1. System redirects the user to Avilibility page with the flight information of inbound flights of next week.

3a.(6-10). User clicks "Previous" button on Inbound flight section.

2. System redirects the user to Avilibility page with the flight information of inbound flights of previous week.