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| Use Case Name | Manage Ticket |
| Scope | ZAir |
| Level | As a traveler I want to be able to book flights so that I can use the services ZAir provides. |
| Primary Actor | Traveler |
| Pre-conditions | The user has an account in the system, there are flights stored in the system. |
| Post-conditions | The user has booked a flight.  The user has removed a booking. |
| Main Success Scenario | BOOKING  1. User inserts user name and password and presses “Log in”  2. The system displays the main interface  3. The user presses “Cheapest flights”  4. System displays a list of ten cheapest flights  5. User selects a flight from the list  6. User presses “Book”  7. The system displays a list of available seats  8. The user chooses a seat  9. The user presses “Confirm”  10. The system displays a message “Successfully booked. Thank you!”  REMOVING  1. User inserts user name and password and presses “Log in”  2. The system displays the main interface  3. The user presses “My profile” and then “View profile”  4. User selects a ticket from “My flight history”  5. User presses “Cancel ticket”  6. The system displays a message “Are you sure you want to cancel the ticket?”  7. The user presses “Yes” |
| Extensions | BOOKING  1a. At the time of login, the user presses a button “Register” to register himself in the database:  1. The user inputs his first name, last name, email, passport number, phone, username and password.  1a. The user inputs an invalid first name.   1. The system signals with an error “Incorrect first name” and the user must introduce his name consisted of letters.   1b. The user inputs invalid email.   1. The system signals with an error “Incorrect email” and the user must introduce the full address with @ and service used (ex: Gmail)   1c. The user inputs invalid phone   1. The system signals with an error “Incorrect phone” and the user must introduce a telephone number consisted of digits.   2. The user presses the button “Register” to register in the system.  1. The username is already in the system.  2. The system signals with an error “Username is already used by another customer” and the user must introduce another username.  3. The system displays the message “Successfully added!” and prompts back to the login interface.  4. User logins and proceeds to the flights list interface.  3a. The user presses “Today’s flights” and gets a list of flights that have the departure time today.  3b. The user selects an origin, destination, time of departure and time of arrival. Origin and destination are chosen through a dropdown list. Time of departure and time of arrival are chosen through a calendar with day, month and year and presses the button “Search”.  1a. The system displays a message “Please use the date choosers to select date” when there is no date of departure or/and date of arrival.  1b. The system displays a message “No flights” when there are no flights found to match the selected origin, destination, day of departure, day of arrival.  10a. The system displays the message “You already booked a ticket for this flight!” when you already have that flight booked and, after pressing the button “OK”, sends the user back to the flight list interface.  10b. The system displays the message “Flight was removed by the administrator!” when the flight was removed while booking and, after pressing the button “OK”,” sends the user back to the flight list interface.  REMOVING  1a. At the time of login, the user presses a button “Register” to register himself in the database:  1. The user inputs his first name, last name, email, passport number, phone, username and password.  1a. The user inputs an invalid first name.   1. The system signals with an error “Incorrect first name” and the user must introduce his name consisted of letters.   1b. The user inputs invalid email.   1. The system signals with an error “Incorrect email” and the user must introduce the full address with @ and service used (ex: Gmail)   1c. The user inputs invalid phone   1. The system signals with an error “Incorrect phone” and the user must introduce a telephone number consisted of digits.   2. The user presses the button “Register” to register in the system.  1. The username is already in the system.  2. The system signals with an error “Username is already used by another customer” and the user must introduce another username.  3. The system displays the message “Successfully added!” and prompts back to the login interface.  4. User logins and proceeds to the flights list interface.  6a. The system displays the message “Please select a ticket to remove” and then the user resumes back to 4.  7a. The user presses “No”/ ”Cancel” and the user resumes back to 4. |
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