***Project name:*** Airline Reservation System

***Team ID:*** GEN\_130

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***Pages details:***

|  |  |  |
| --- | --- | --- |
| *Page* | *Function* | *Description* |
| *MAIN* | ***MainDisplay*** | *makes the user choose if he wants to enter as admin (he will need admin’s password) or enter as user or exit from the program.* |
| *ADMIN\_CHECK* | ***AdminCheck*** | *Check if the one who entered this page is admin or not by asking for predefined password.* |
| *ADMIN\_DISPLAY* | ***AdminDisplay*** | *Show the admin choices between adding flights or editing existing flight or deleting one of it or show full flight schedule.* |
| *USER* | ***UserDisplay*** | *Asks user if he is a new user (signup) or existing user (login).* |
| *LOGIN \** | ***LoginDisplay \**** | *Asks user for his existing username and password.* |
| *SIGNUP \** | ***SignupDisplay \**** | *Askes user to enter his data but he need to focus on username and passenger id input as they are unique of each user* |
| *PASSENGER* | ***PassengerDisplay*** | *Show the user choices between adding reservations or editing existing reservation or deleting one of it or show full reservation log* |
| *SHOW\_NEW\_TICKET* | ***Show\_New\_Ticket\_Display*** | *Saves user ticket and displays this ticket waiting for confirming it or canceling it.* |
| *SHOW\_ALL\_TICKET* | ***Show\_All\_Tickets\_Display*** | *Display full reservation log as long as the user didn’t press enter.* |
| *SHOW\_ADDED\_FLIGHTS* | ***ShowFlightsDisplay*** | *Display full flight schedule as long as the admin didn’t press enter.* |

***Implemented functions:***

|  |  |
| --- | --- |
| *Function* | *Description* |
| *displayflight* | *Display full flight schedule* |
| *addflight* | *Mass adds flights with admin chosen properties.* |
| *deleteflight* | *Delete an existing flight that is already entered by admin.* |
| *Updateflight \** | *Modify an existing flight’s properties. The admin can choose which flight and which property to modify.* |
| *Search* | *Searching for flights by user. The user chooses his Itinerary (from where to where).*  *After showing all selected flights, he can choose a flight he wants.* |
| *display\_selected\_fligths* | *Display all flights that matches with user Itinerary.* |
| *save\_Ticket* | *Saving flight details that the user chose to a unique ticket.* |
| *display\_new\_ticket* | *Display user’s new ticket after saving it.* |
| *cancel\_ticket* | *After display all reservation log, the user chooses which ticket he want to cancel.* |
| *modify\_ticket \** | *After display all reservation log, the user chooses which ticket he want to modify.*  *Modifying ticket means searching for another one and replacing it.* |
| *display\_all\_tickets* | *Display all reservation log.* |

***\* means (bonus function)***

***UI features:***

|  |  |
| --- | --- |
| *Function* | *Description* |
| *os\_sleep* | *Choose the way to do sleep function by checking whether the platform is UNIX or windows.* |
| *loading* | *Show a loading line after some actions.* |
| *done* | *Show a success messages after successful actions.* |
| *error* | *Show an error messages logical errors.* |
| *Invalid* | *Show an error messages syntax errors.* |
| *string\_output* | *Prints a string in width of its length+1 and returns this length* |
| *compareStrings* | *Comparing between to strings. Returns true if identical. Returns false if not identical.* |