|  |  |  |
| --- | --- | --- |
| **Group-ID** | **Student Registration Number** | |
| Group -11 | 2020-CS-70 | 2020-CS-97 |
| **Project Title (Max. one line title)** | | |
| **AirLine Reservation System** | | |
| **Project Description (Min. 600 words)** | | |
| The proposed airline reservation system is a Desktop-based C# project. It is a comprehensive passenger processing system that will include inventory, fares, e-ticket operations, management of flights, and online transactions and Also there is a manager for the application who manages the flight schedule, set the source and destination, details about any delay in the flights schedule, and have the information of the persons who booked the flight, and who canceled their reservations.  The system enables the passenger to do the things such as search for airline flights for two travel cities on a specified date (**Domestic Flights**) and choose a flight for two countries (**International Flights**). The available flights will be displayed on the screen with their certain information based on that information the passenger can reserve the flight and after that there will also an option for the passenger to cancel his/her reservation after entering the ticket number.  The system allows the airline passenger to search for flights that are available between the two travel cities or countries, named as “**Destination**” and “**Source**” for a particular departure. The system displays all the flight’s details such as flight no, price, One-way. Multi-way, Round-Trip, Destination and Source, Flight time etc.  After search the system display list of available flights and allows customer to choose a particular flight and the class  Following the three classes:   1. Business 2. Economy 3. First Class   And ask the user to enter the total number of seats he wanted and the age range of the passenger **(if there is any child as the passenger under 2 then his/her ticket fare will not be charged)**  Then the system checks for the availability of seats on the flight according to the class the user select. And show the seating arrangement. And also allow the passenger to choose the ail seat or window seat. If the seats are available then the system allows the passenger to book a seat. Otherwise it asks the user to choose another flight.  To book a flight the system asks the customer to enter his details such as name, address, city state, nationality, gender, credit card number and contact number. Then it checks the validity of card and book the flight and update the airline data.  And allows a special service to do payment when he want to receive the ticket in this case the Management system will give the passenger the serial number and the counter number in which you have to pay the desire amount.  After all this process when the passenger confirms the seat and enter all his required information a ticket is generated with a special serial number which the passenger will  need in future incase if he wants to cancel his flight reservation  The system also allows the customer to cancel his/her reservation, if any problem occurs. For this the user should enter some details for example Ticket number and name  Also there is an admin who can manage the flights  **Management of flight include:**   * Assigning Flight codes * Flight time * Set Destination and Source location * Set a price for each classes (Business, First Class, Economy) * Add a Flight * Cancel the Flight * Edit the Flight * Flight Delay   A person who is managing this application can also view the passengers who booked the seat  And also can view their information and that person can also have a list of passenger who cancelled their reservation.  **The main features of the airline reservation system are:**   * Reservation of the airline tickets. * Cancellation of airline tickets. * Management of flight functions. * Perform transaction online. * Maintain passenger records * Daily transactions. | | |