**BAHRIA UNIVERSITY, (Karachi Campus)**

*Department of Software Engineering*

PROPOSAL

**Course Title:** Computer Programming  **Course Code**: CSC-113

**Course Instructor:** Engr.Muhammad Faisal **Class**: BSE-1(A)

**Lab Instructor:** Engr. Saniya Sarim  **Date:** 13-12-22

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| ***PROJECT TITLE:***  *Airline Reservation System* |
| ***GROUP MEMBERS LIST:***  **TEAM LEAD:**  Mahnoor Muzaffar  **MEMBERS:**  Sarah Qasim  Muhammad Sufiyan Asim |
| ***PROJECT SCOPE:***  Airline reservation systems (ARS) are systems that allow an airline to sell their inventory (seats). It contains information on schedules and fares and contains a database of reservations (or passenger name records) and of tickets issued (if applicable). ARSs are part of [passenger service systems](https://en.wikipedia.org/wiki/Passenger_service_system) (PSS), which are applications supporting the direct contact with the passenger.  ARS eventually evolved into the [computer reservations system](https://en.wikipedia.org/wiki/Computer_reservations_system) (CRS). A computer reservation system is used for the reservations of a particular airline and interfaces with a [global distribution system](https://en.wikipedia.org/wiki/Global_distribution_system) (GDS) which supports travel agencies and other distribution channels in making reservations for most major airlines in a single system. |
| ***PROJECT ABSTRACT:***  Nowadays, it is becoming more and more popular to buy airline tickets through online systems. People enjoy buying airline tickets online because of the convenience brought by the Internet. Many travels site provide services which help travelers find airline tickets for their travel plans. Airline reservation System project is aimed at exposing the relevance and importance of Airline Reservation Systems.In addition to providing the same services that a traditional airline ticket booking system would provide, these websites provide enhanced services such as searching through a list of possible flights according to a user's constraints Generally Online Booking consists of procedures like Reservation, Cancellation, Availability of Seats, Timetable, etc. |
| ***PROJECT FUNCTIONALITIES:***  The functionality of the project is divided among the user and administrator of the airline reservation.   * Flight reservations, registrations, personal detail, surety of the flight book and login/logout etc. are included in user’s functionalities. * The cancelation of reservations, Email confirmation, modification of customer flight and package and the details of web page etc. are included in administrative functionalities. |
| ***MODULE DISTRIBUTION:***  **Registration module:**   * Firstly, we ask a passenger to give his details. * After registering the passenger can log on to his or her own account and book his flight. * Once passengers register with us can book any number of tickets.   **Administrative module:**  It is provided for the sake of administrators to manage the site and update the content at regular intervals, The major operations included in this module are   * Create and maintain airline schedules, Fare and timings of the flight * View the passenger list. * View the available seats in the flight. * Cancel the tickets. * Updating the flight schedules, timings and fares.   **Passenger module:**  It is meant for passengers, where a user login into his or her own account will view this panel. The major operations included in this module are:   * View all airline schedules, timings, fare details and seats availability. * Book the tickets. * View and canceling of the ticket. * Send feedback. |

**Teacher Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Remarks**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submission Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_