**The Superior University, Lahore**

**Project**

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| Course Title: | Object oriented programming (LAB) | | | | Course Code: |  | Credit Hours: | |  |
| Instructor: | Shawwal Rashed | | | | Program Name: | MCS,MIT,CB | | | |
| Semester: | 2 | Batch: |  | Section: | A | Maximum Marks: | |  | |
| Student’s Name: | **[SHEHRYAR AZIZ]** | | | | Reg. No. | **[MCSM-F21-021]** | | | |

* Project Title: **AIRLINE RESERVATION SYSTEM**
* **Project Description:**

Airline Reservation System is a computerized system, that contains the details about flight schedules, passenger reservations and ticket record. An airline’s inventory contains all flights with their available seats.

**Requirement Analysis:**

Since this is semester project and not a commercial project there for requirements of the projects were simple.

Following were the requirements:

1. Local / International Booking.
2. Searching of Flights.
3. Airline Selection.
4. Getting Passenger Data.
5. Airline Class Selection.
6. Time Selection.
7. Displaying of Ticket.
8. Saving Ticket in a File.

Exit from the system

**Four basic pillars of object oriented programming:**

In developing the whole software, the four basic pillars of object oriented programming were kept in view:

1. Data Hiding
2. Encapsulation
3. Inheritance
4. Polymorphism