Course: EECS 3461
Professor: Melanie Baljko
Assignment #: 02

Student 1: Akalpit Sharma (212650628)
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Component #: 01

AIR-LINE RESERVATION SYSTEM

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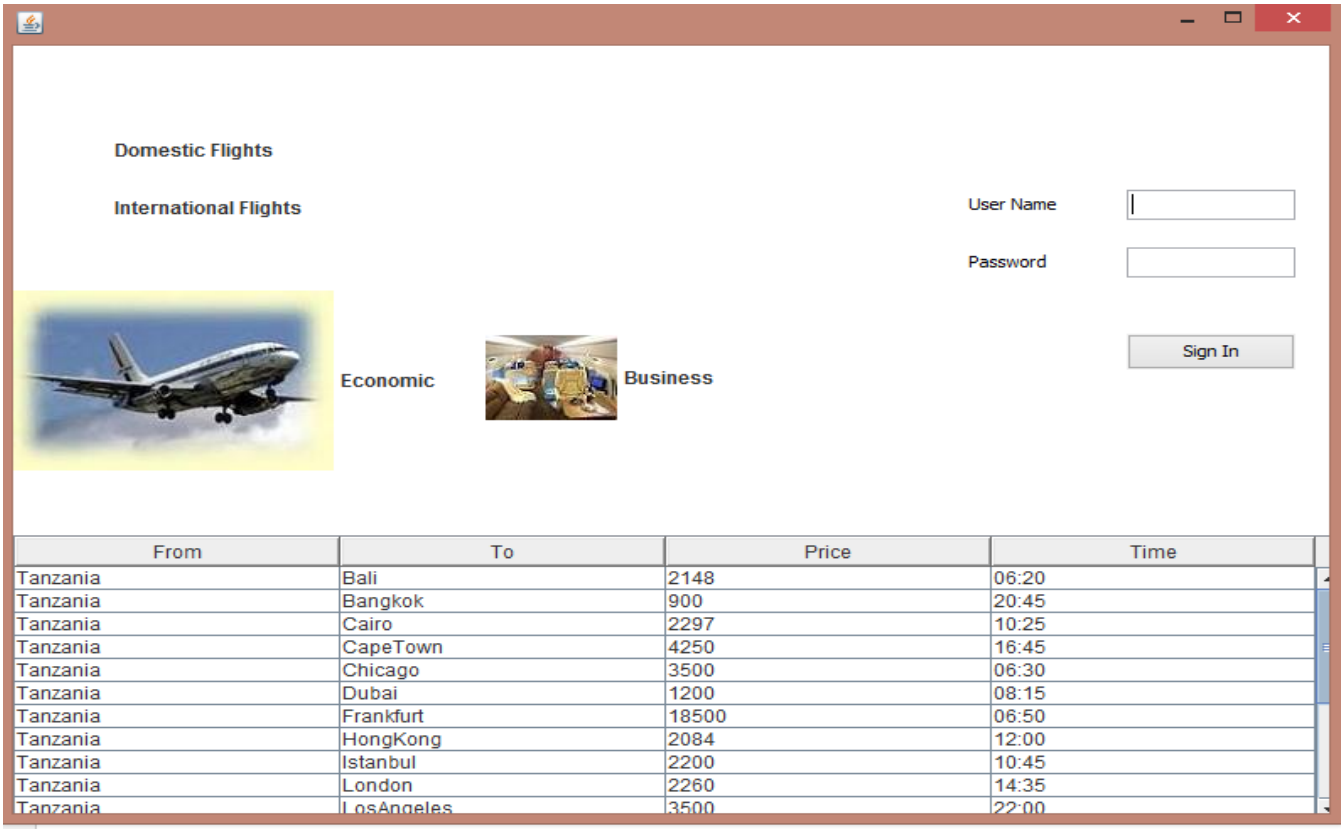
1. Component #1: Choice of Application Domain

The application based “airline-reservation system” project is an approach to create the special features of airline-reservation system. The project allows a single user to look for the flights available in the system and to also book tickets for specific date of departure. The chosen airline reservation system application done in java. The framework enables the aircraft traveler to scan for flights that are available between the two travelling areas, specifically the "Take-off location" and "Landing location" for a specific flight and landing dates. The classes available are business and economic. Only authorized professional can login and can able to book tickets. After pursuing the system shows list of available flights and enables the client to select a particular flight. At that time the system checks for the availability of seats in the flight. In the event that the seats are accessible then the framework enables the traveler to book a seat. Else it requests that the client pick another flight. Their choice of transportation is made in the ticket booking page and the number of adults, children and infants are also provided during the booking process. After successful booking a ticket is generated for the user.



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The booking date is given first and Find Flight button is selected to view ticket availability and then seats are booked to print the ticket details.

Each Java program is first aggregated into a middle-level language called Java bytecode. The JVM is utilized principally for two major things. The first is to make an interpretation of the bytecode into the machine language for a specific PC, and the second thing is to execute the relating machine-language directions also. The JVM and bytecode consolidated together give Java its status as a "convenient" language – this is on account of Java bytecode can be exchanged starting with one machine then onto the next. Mobile applications also use advanced version of java knows as j2me which is specifically used for handheld devices. So, by having better knowledge in java the code for j2me can be written to use in handheld devices.