UNIVERSIDAD DE LAS FUERZAS ARMADAS

COMPUTER SCIENCE DEPARTMENT

Object-Oriented Programming

Team: TIC Solutions

Members: Chicango George
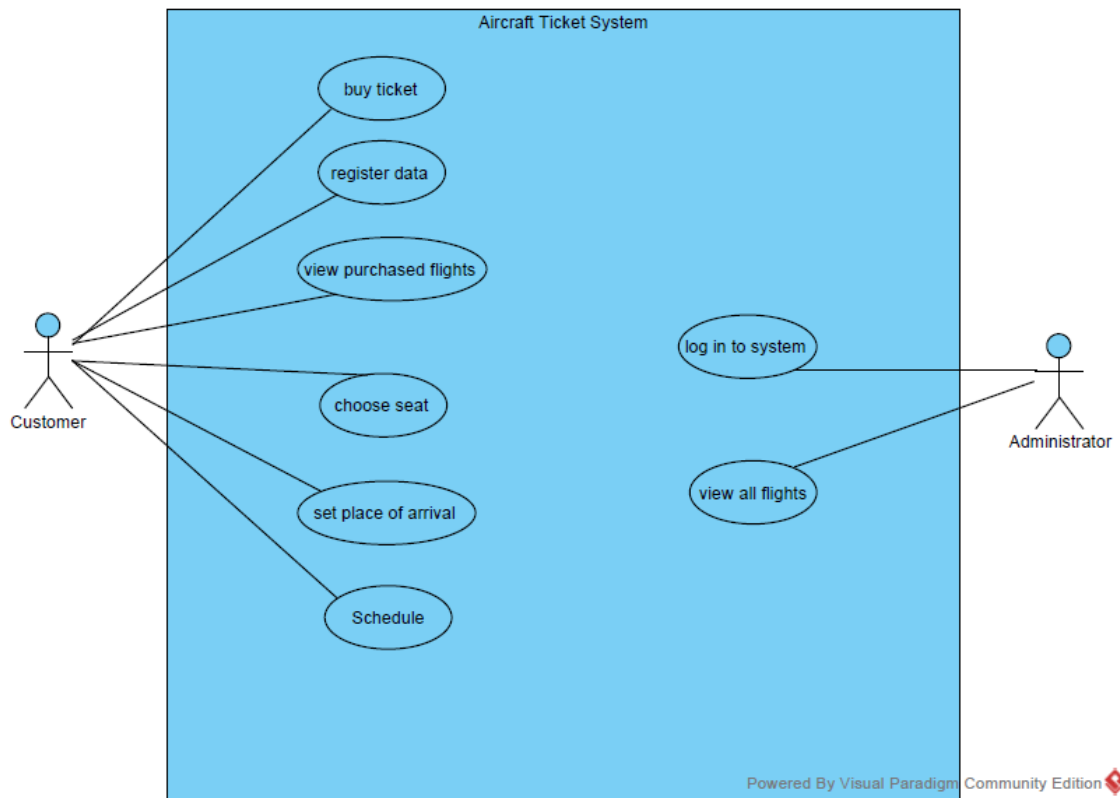
Constante Erika

Córdova Xavier

Cuichan Kevin

NRC: 3248   **Teacher:** Edison Lascano

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Requirements specification

Use Cases Diagram

User characteristics

Type of user	Customer
Formation	Person who will acquire the service
Activities	Buy the service from the airline

Type of user	Administrador
Formation	Administration

Activities	System control and management

Specific requirements

Identification of the requirement:	UC01
Requirement Name:	Buy ticket
Features:	The customer will purchase the ticket
Description of the requirement:	The system will allow the customer to obtain the ticket that he bought
Non-functional requirement:	● NFR01 ● NFR02 ● NFR03
Requirement priority: **High**	

Identification of the requirement:	UC02
Requirement Name:	Register data

Features:	Users must enter their data into the system
Description of the requirement:	The system allows you to enter the user's personal data when purchasing the ticket.
Non-functional requirement:	- NFR01 - NFR02 - NFR03

Requirement priority:

high

Identification of the requirement:	UC03
Requirement Name:	View Purchased flights
Features:	User could see the flights that that has purchased
Description of the requirement:	The system will allow the user to see all the flights that has purchased
Non-functional requirement:	- NFR01 - NFR02 - NFR03

Requirement priority:

high

Identification of the requirement:	UC04
Requirement Name:	Choose seat
Features:	The system will allow users to choose seats
Description of the requirement:	allows user to choose seat (s)
Non-functional requirement:	- NFR01 - NFR02 - NFR03·

Requirement priority:

high

Identification of the requirement:	UC05
Requirement Name:	Set place of arrival
Features:	User will have to set the place of arrival
Description of the requirement:	The system will allow the user to set his place of arrival

Non-functional requirement:	● NFR01 ● NFR02 ● NFR03·

Requirement priority:

high

Identification of the requirement:	UC06
Requirement Name:	schedule
Features:	The system allows the user to choose the time they want their flight
Description of the requirement:	When the user determines the flight time, the available hours will be displayed
Non-functional requirement:	● NFR01 ● NFR02 ● NFR03·

Requirement priority:

high

Identification of the requirement:	UC07
Requirement Name:	Log in into system
Features:	The administrator have to log in into the system
Description of the requirement:	The system will allow to the administrator to log in by checking his user name and password
Non-functional requirement:	● NFR01 ● NFR02 ● NFR03·

Requirement priority:

high

Identification of the requirement:	UC08
Requirement Name:	View all flights
Features:	The administrator could see all the flights purchased by the users
Description of the requirement:	The system will show to the administrator all the flights that the users have purchased

Non-functional requirement:	- NFR01 - NFR02 - NFR03·

Requirement priority:

high

Non-functional requirements

Identification of the requirement:	NFR01
Requirement Name:	System interface.
Features:	The system will present a simple user interface to make it easy for users of the system to use.
Description of the requirement:	The system must have an intuitive and simple user interface.

Requirement priority:

high

Identification of the requirement:	NFR02

Requirement Name:	Information security
Features:	The system guarantees users security regarding the information that is proceeded in the system.
Description of the requirement:	Guarantee the security of the system with respect to the information and data that are handled such as documents, files and passwords.

Requirement priority:

high

Identification of the requirement:	NFR03
Requirement Name:	Performance
Features:	The system will guarantee users performance in terms of data stored in the system, offering reliability to it.
Non-functional requirement:	Guarantee the performance of the computer system to the different users. In this sense, the information stored or records made may be consulted and updated permanently and simultaneously, without affecting the response time.

Requirement priority:

High

Identification of the requirement:	NFR04
Requirement Name:	Maintenance.
Features:	The system must have an installation manual and user manual to facilitate the maintenance that will be carried out by the administrator.
Non-functional requirement:	The system must have easily updateable documentation that allows maintenance operations to be carried out with the least possible effort.
Requirement priority: High	