

**Ingeniería del Software**

**Proyecto 1de Programación 3**

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**Primer Cuatrimestre**

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**External Documentation**

**Objects:**

This project contains eight objects:

1 Aeropuertos: This get and set the information of the airports.

2 Compra\_Reserva: This get and set the information of the purchases and user reservations.

3 Hotel: This get and set the information of the Hotel.

4 Paises: This get and set the information of the countries.

5 Usuario: This get and set the information of the user.

6 Vehiculos: This get and set the information of the vehicles.

7 Vuelos: This get and set the information of the flights.

8 Puntuacion\_obj: This get and set the information of hotel scores.

**Capadbo:**

-This project contains thirteen class:

1 DB\_CrearUsuario: Contains all methods for to creates new users.

2 DB\_CRUD\_Aeropuertos: Contains all methods for Airports CRUD.

3 DB\_CRUD\_Hoteles: Contains all methods for Hotel CRUD.

4 DB\_CRUD\_Lugares: Contains all methods for Places CRUD.

5 DB\_CRUD\_Paises: Contains all methods for Countries CRUD.

6 DB\_CRUD\_Tarifas\_Hoteles: Contains all methods for Hotel rates CRUD.

7 DB\_CRUD\_Vehiculos: Contains all methods for vehicles CRUD.

8 DB\_Interfaz\_Vuelo: Contains all methods for to make reservations and purchases of hotels, vehicles and flights in the user interface.

9 DB\_Login: Contains all methods for to check if the user entered is an administrator or not. Also check if the password and the user are correct.

10 DB\_Reportes: Contains all methods for to check the information of each of the seven project reports.

11 DB\_Rutas: Contains all methods for Routes CRUD.

12 DB\_Ventana\_Reservas: Modifies the values of the number of vehicles and rooms each time a reservation is made

13 DB\_Vuelos: Contains all methods for Flights CRUD.

**CapaNegocio**

-This project contains fourteen class:

1 Codigo\_CrearUsuario: Receives the methods to create a new user and receives it by parameters method.

2 Codigo\_CRUD\_Aeropuertos: Receives the methods for the CRUD of the airports. It also receives information through parameters.

3 Codigo\_CRUD\_Hoteles: Receives the methods for the CRUD of the hotels. It also receives information through parameters.

4 Codigo\_CRUD\_Lugares: Receives the methods for the CRUD of the places. It also receives information through parameters.

5 Codigo\_CRUD\_Tarifas\_Hoteles: Receives the methods for the CRUD of the hotel rates. It also receives information through parameters.

6 Codigo\_CRUD\_Vehiculos: Receives the methods for the CRUD of the vehicles. It also receives information through parameters.

7 Codigo\_CRUD\_Vuelos: Receives the methods for the CRUD of the flights. It also receives information through parameters.

8 Codigo\_Interfaz\_Vuelo: Receive and perform validations of reservations and purchases of the user.

9 Codigo\_Login: Receive and check the login information of the user. The information is received by parameters.

10 Codigo\_Paises: Receives the methods for the CRUD of the countries. It also receives information through parameters.

11 Codigo\_Pre\_Compra\_Vuelo: Load the information of the vehicles in a DataGridView.

12 Codigo\_Reportes: Receive all the information of the project reports and send them in Arrays Lists.

13 Codigo\_Ventana\_Reservas: Modifies the values of the number of vehicles and rooms each time a reservation is made. It also receives information through parameters.

14 Codigo\_Rutas: Receives the methods for the CRUD of the routes. It also receives information through parameters.

**CapaPresentacion**

-This project contains the all project interfaces.