Passwords:

To access the system as an employee, use the following credentials:

**Username**: admin

**Password**: 123

To access the system as a customer, you can register, and then use the following credentials:

**User ID**: [*the ID you entered when you registered*]

**Password**: [*the ID you entered when you registered*]

This is just the default password; it can be changed when you log in.

Alternatively, you can use the credentials of an existing randomly generated customer, in which case the ID and password can be 100000, 100001, etc., up until however many customers were initialized. Note that the ID and password are both the same number.

Bonuses:

(From Exercise 3: All windows except the main window prevent the window from being closed "by force" by pressing ⨉ in the corner of the window)

You can enter as one of two types of users, an employee who manages the system, or a customer who uses the service. The customer interface includes allowing registration, profile updates, add new packages for delivery, and tracking packages sent and received by the customer.

Uses property trigger, data trigger, event trigger, and multidata trigger.

Converts with IValueConverter.

Uses graphics (specifically ellipse).

Display of entities is done through data binding with PO entities — the DataContext of each suitable window is linked to the relevant PO entity. Additionally , the PO entities use ObservableCollection for object collections.

Deleted entities are not actually deleted but rather marked as inactive.

DalObject, DalXml, and BL are Thread-Safe Singleton with maximum Lazy Initialization.

In the simulator, the drone’s location updates in movement with the delay step timer.