Project

Common description

This project aims to implement a shipping platform.

Users should be able to ship packages in many areas with different options as follows:

1. International shipping: air or surface as shipping method.
2. National (local) shipping: surface as shipping method.
3. Two categories of package: small or large volume
4. Prices are based on package category, shipping method and distance.
5. Package can be collected at home or at a point of service (an office). Fees are applied for home collected packages.
6. User should be able to estimate shipping cost based on package size, weight, shipping area and shipping method.
7. Provide users with a tracking number to track their package.
8. Offer the possibility to users to compare shipping speed (priority worldwide (2-3 days), express international (4-7 days), standard shipping (7-10 days).
9. User will pay by cash or card

Instructions

Create all necessary classes for your shipping platform.

Basically, your application should display a menu: a set of questions (or actions) to guide the user.

Example:

Please select an action by entering a number:

1) for international shipping

2) for local shipping

3) to check rate

And so on

When user selects a shipping method, you can display a submenu to help him select others options.

You have to choose one of the following two (2) options. There are two (2) different versions of the project. However, whatever you choose, you should implement all specifications from the previous sections (Common description and instructions).

Options 1: Users will pay by credit or debit card

Create a class to hold payment card.

The payment card should have these attributes: card number, expiry date, card holder name, card balance.

Using python input() function, ask user to enter his payment card information: *card number, expiry date, card holder name, card balance.*

Use this information to create an instance of Payment card.

If the balance is less than order total price, the payment will be declined.

The card balance will decrease when user pays his order.

After the payment, you should display a summary of the order:

Shipping method, package weight, shipping area, shipping cost, new balance of the payment card.

Options 2: Pay by cash but handle promotion

Create class to handle promotion.

Promotion should have a name, an amount and an expiry date.

If the promotion has expired, it should not be applied and user will pay full amount of the order. Otherwise, the promotion amount will be removed from the order total price.

After the payment, you should display a summary of the order:

Shipping method, package weight, shipping area, shipping cost, amount of applied promotion.