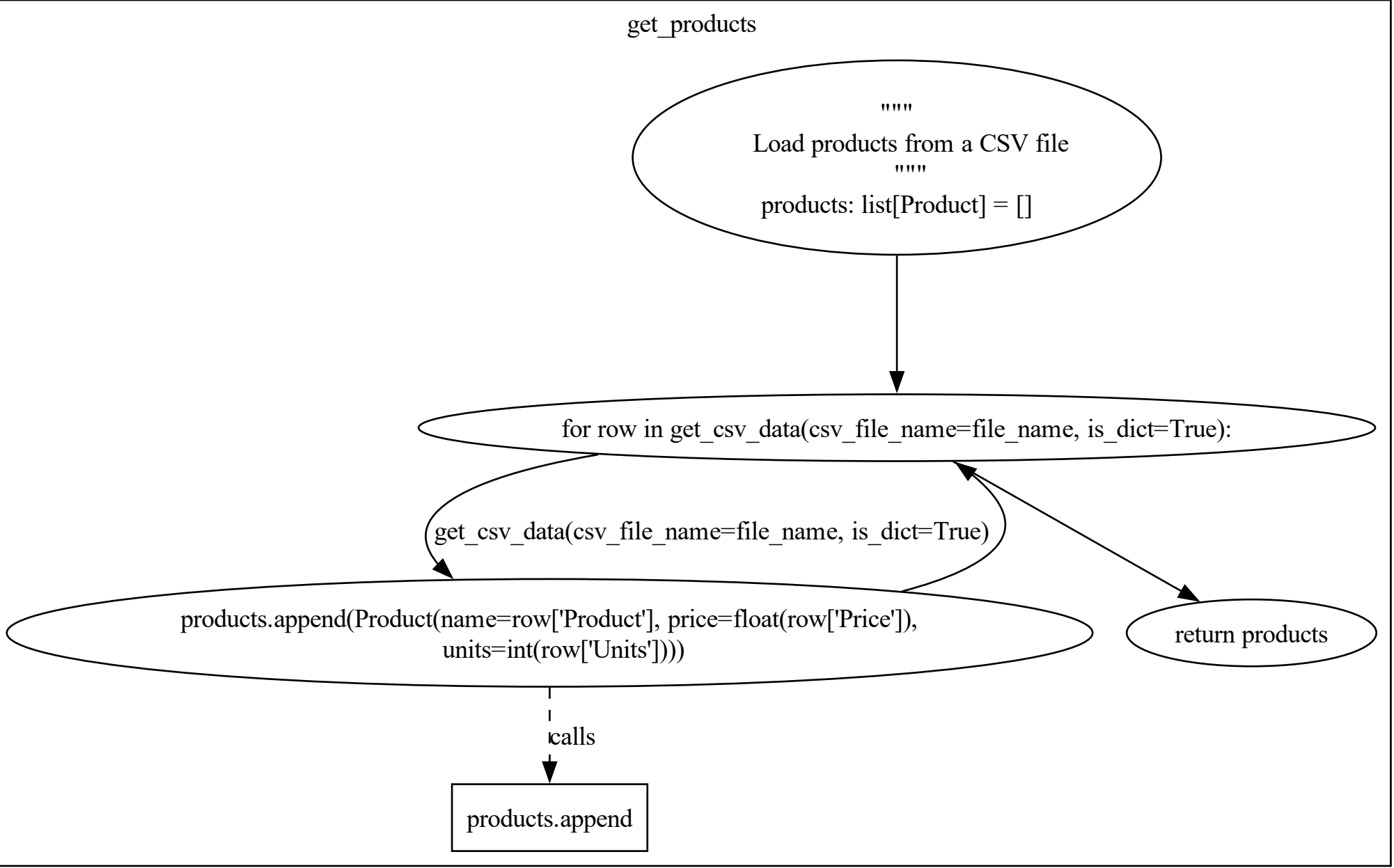
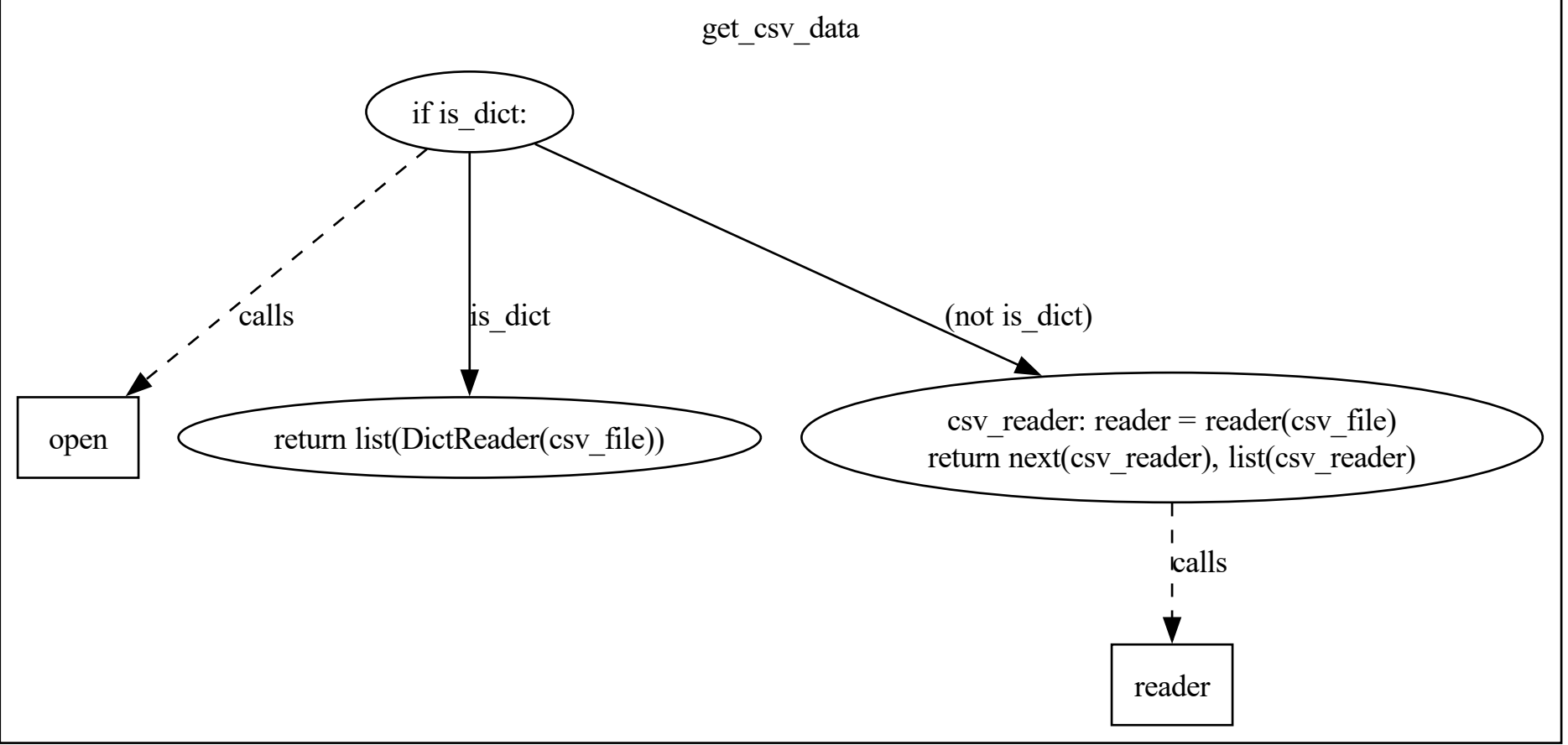
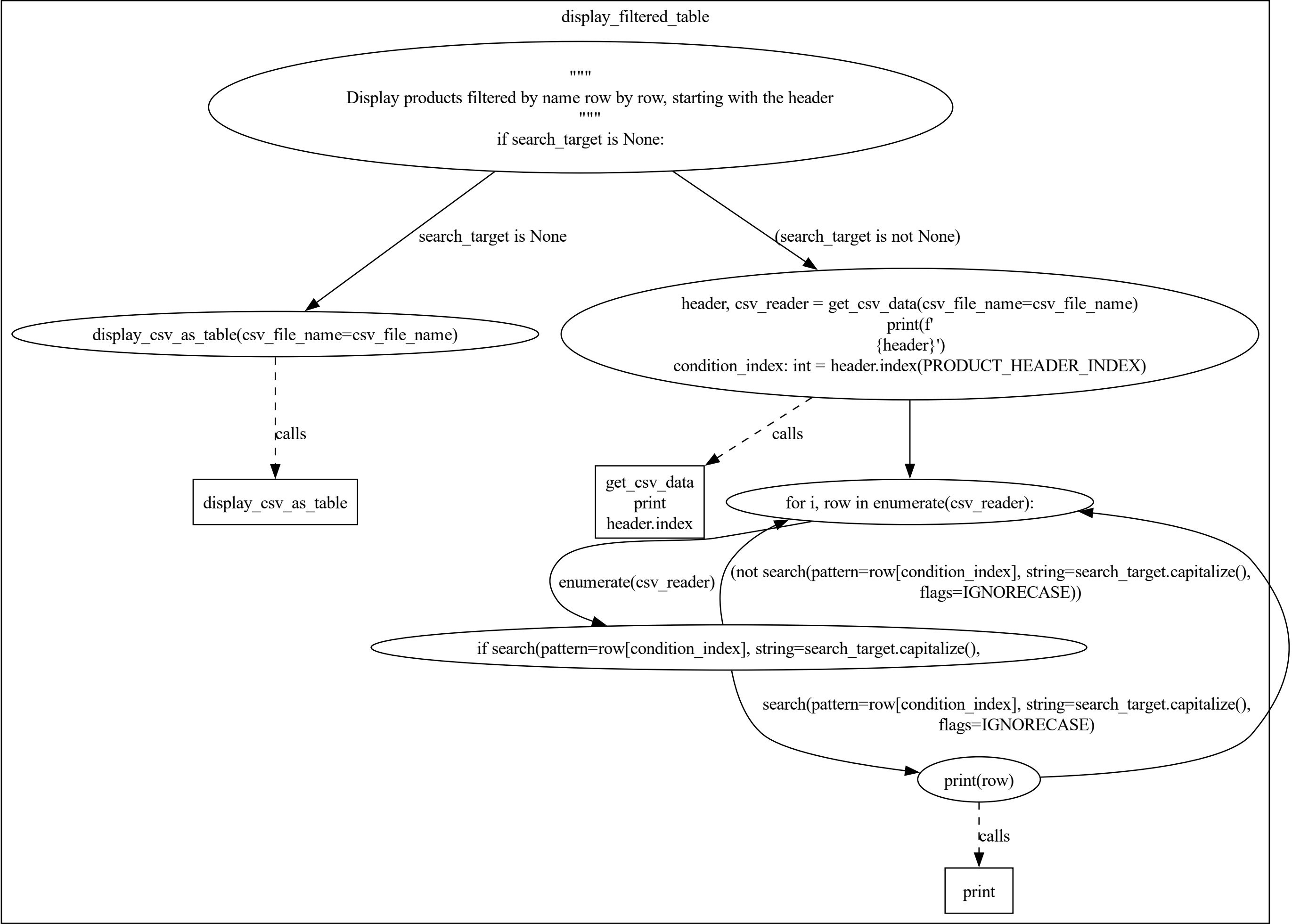
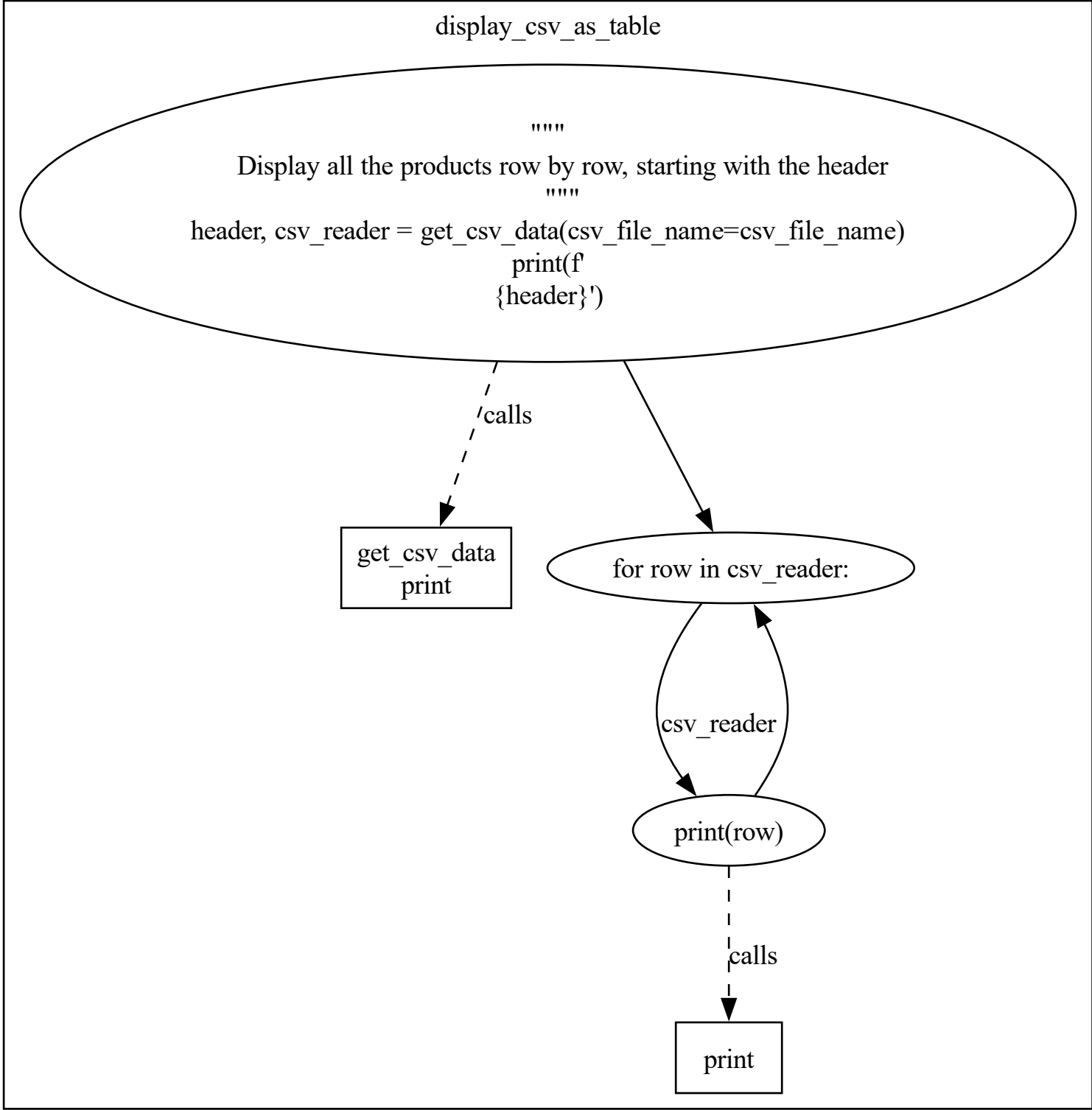


```
from online_shopping_cart.product.product import Product
from csv import DictReader, reader
PRODUCTS_FILE_PATHNAME: str = './files/products.csv'
def get_csv_data(csv_file_name=PRODUCTS_FILE_PATHNAME, is_dict=False) ->(list...
def get_products(file_name=PRODUCTS_FILE_PATHNAME) ->list[Product]:...
```

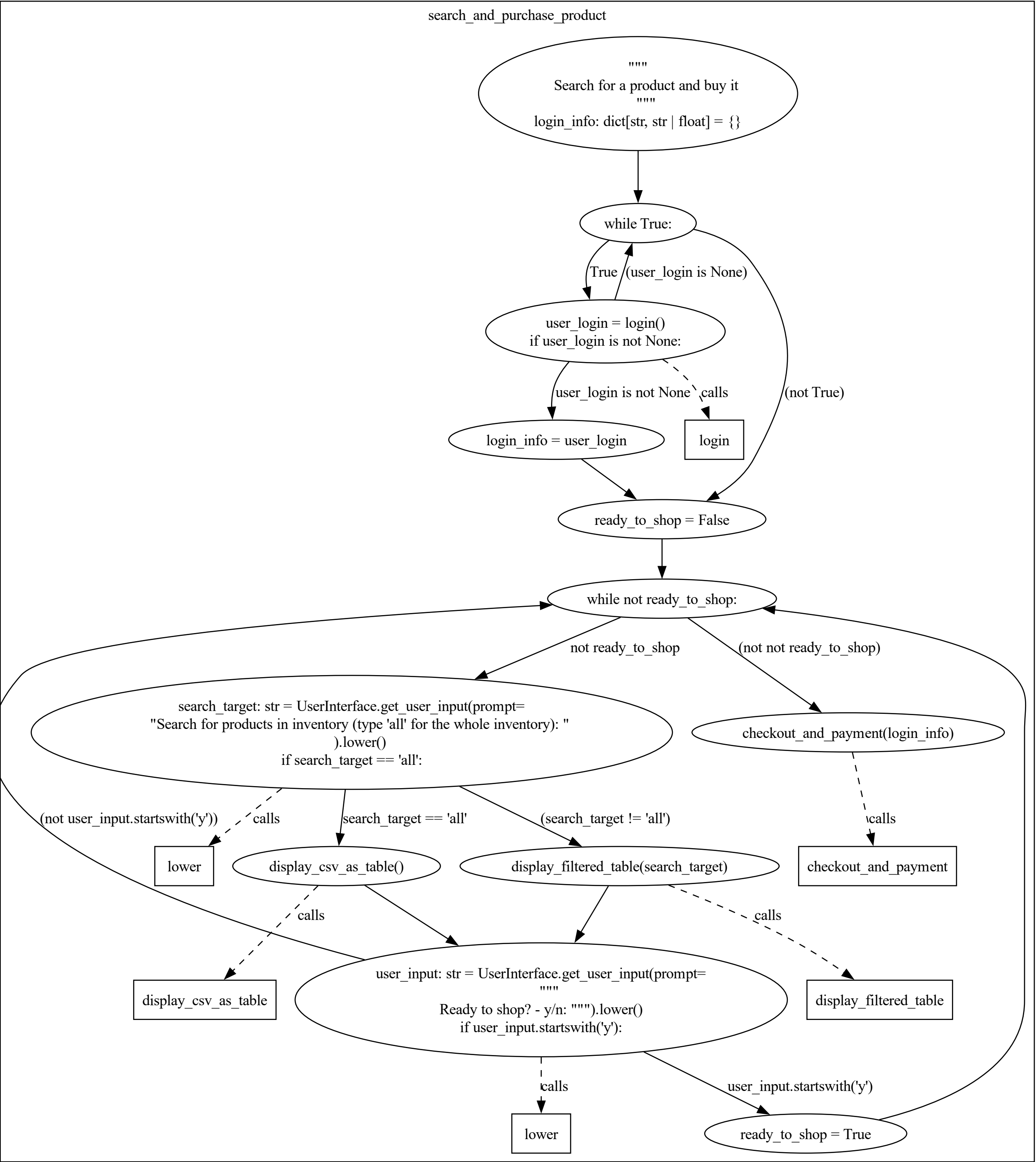


product_data

```
from online_shopping_cart.product.product_data import get_csv_data, PRODUCTS_FILE_PATHNAME
from re import search, IGNORECASE
PRODUCT_HEADER_INDEX: str = 'Product'
def display_csv_as_table(csv_file_name=PRODUCTS_FILE_PATHNAME) ->None:...
def display_filtered_table(csv_file_name=PRODUCTS_FILE_PATHNAME,...
```



```
from online_shopping_cart.product.product_search import display_csv_as_table, display_filtered_table
from online_shopping_cart.checkout.checkout_process import checkout_and_payment
from online_shopping_cart.user.user_interface import UserInterface
from online_shopping_cart.user.user_login import login
def search_and_purchase_product() ->None:...
```

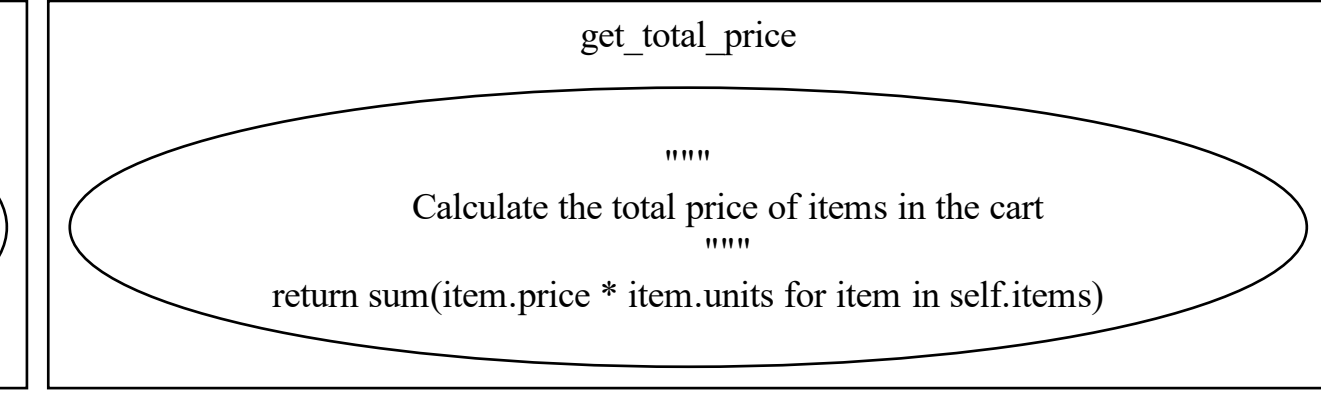
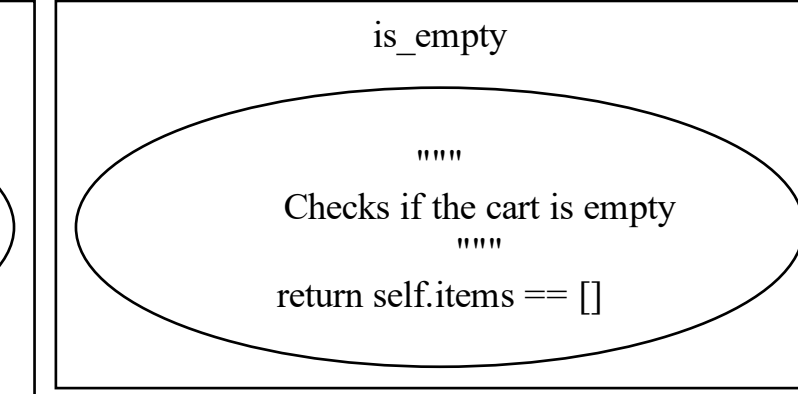
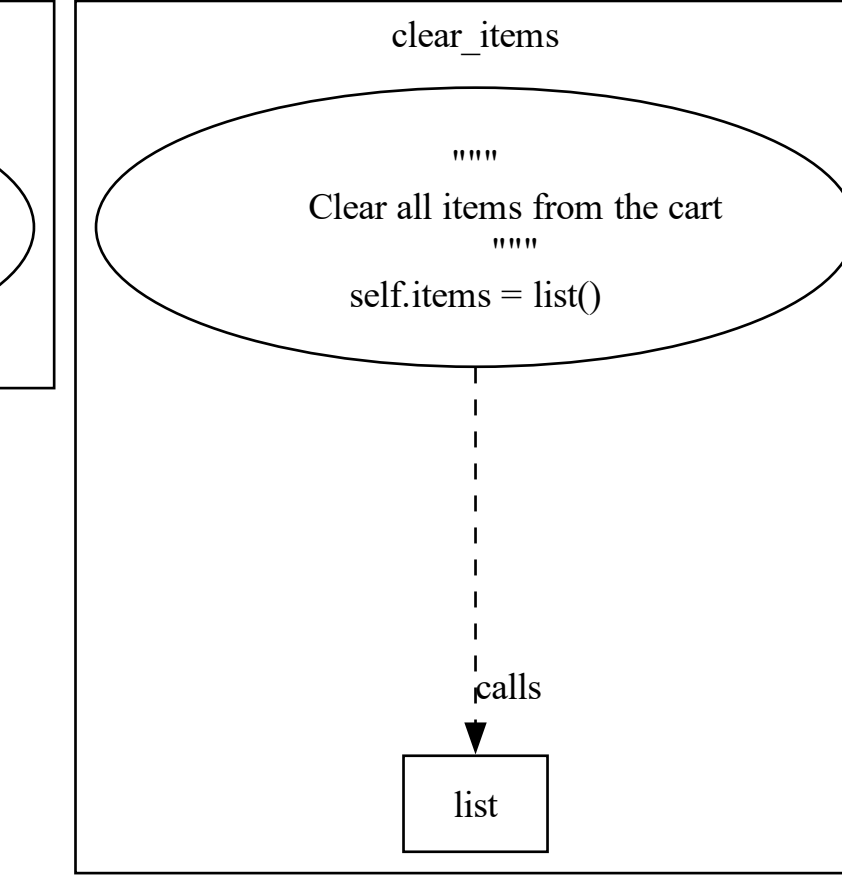
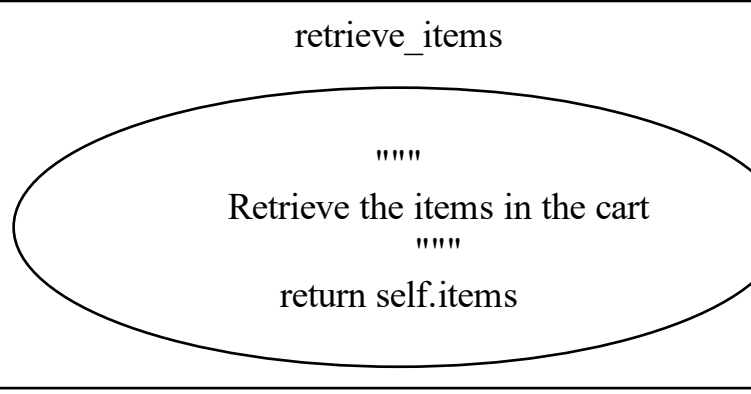
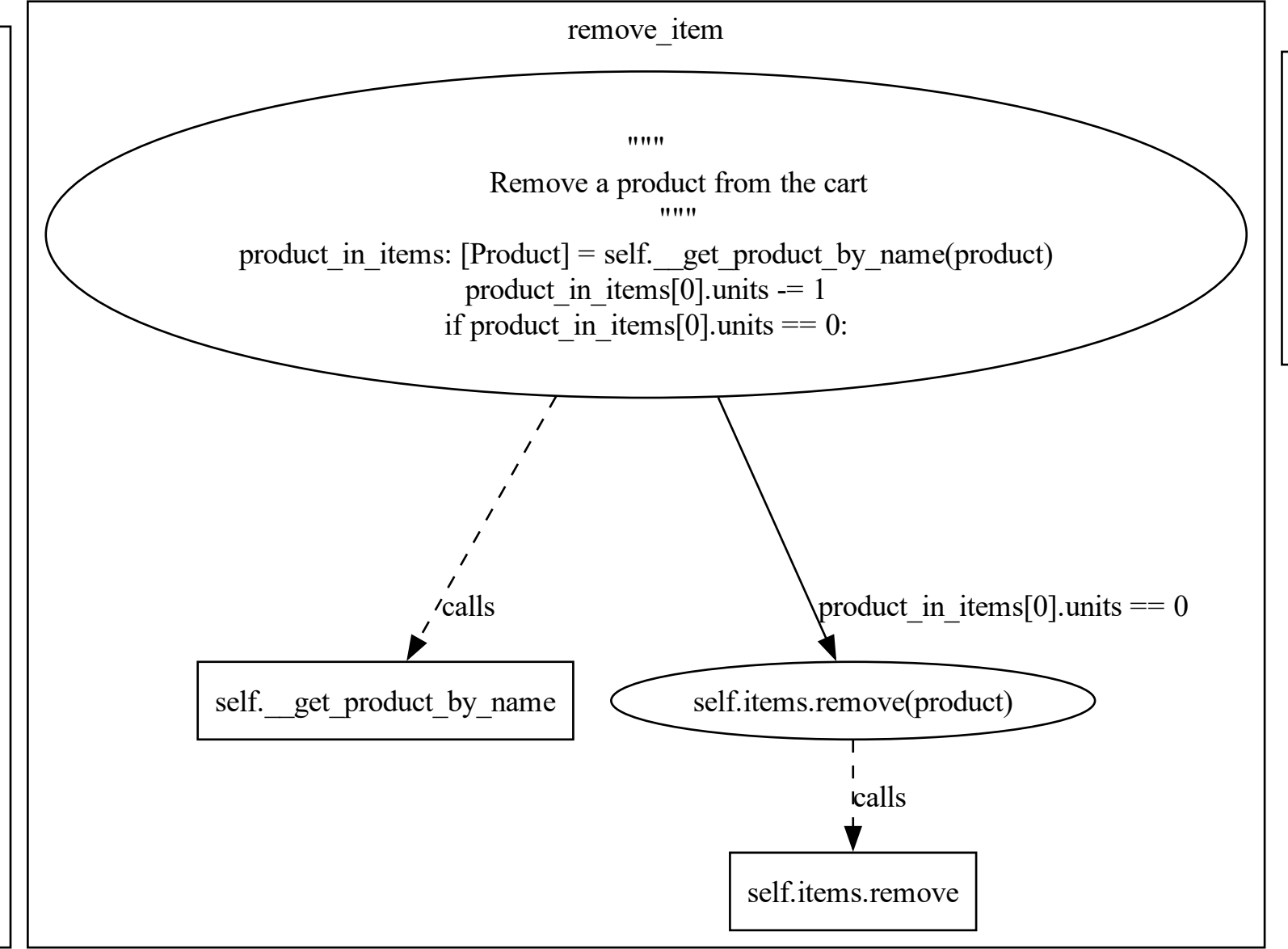
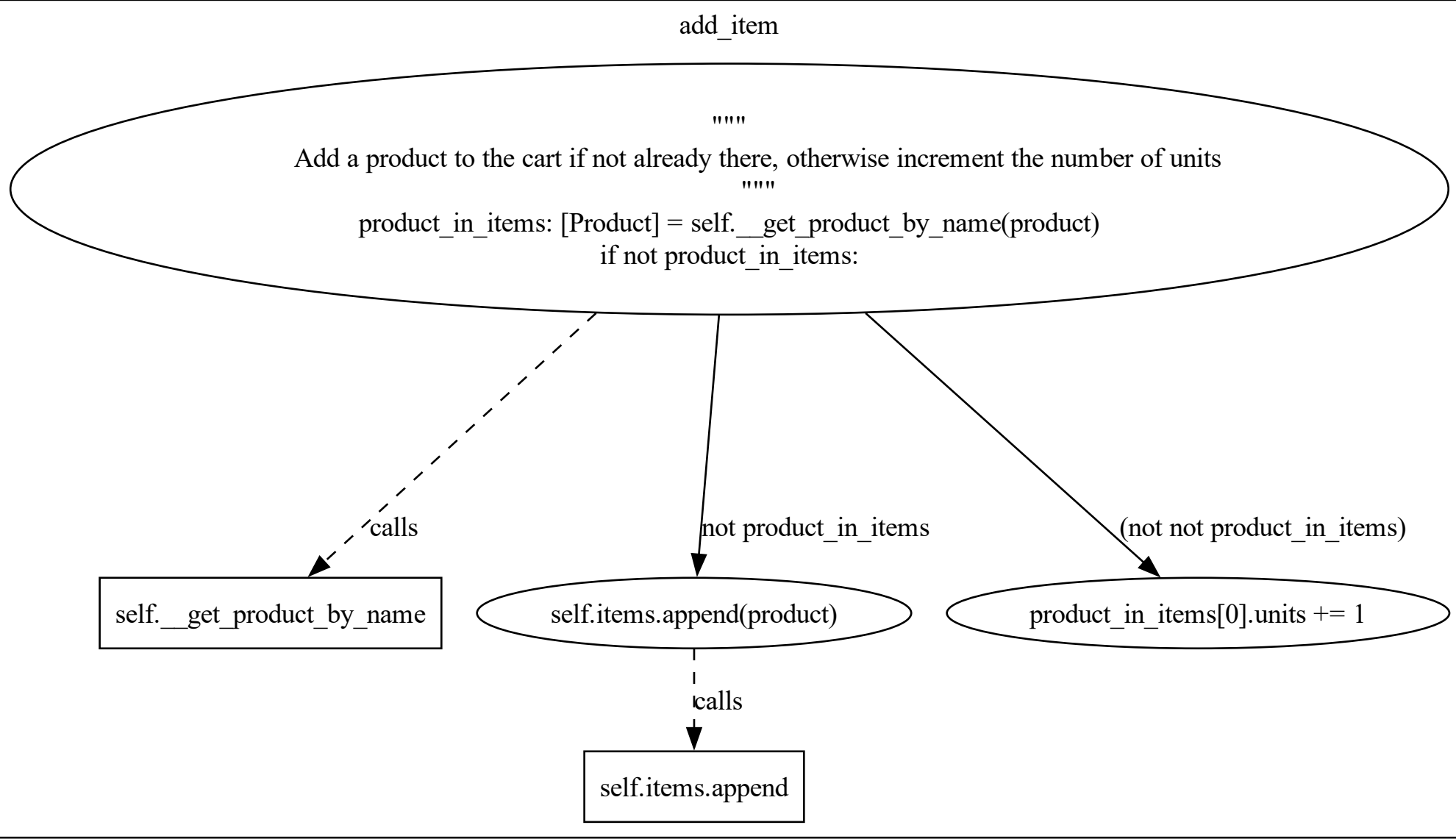
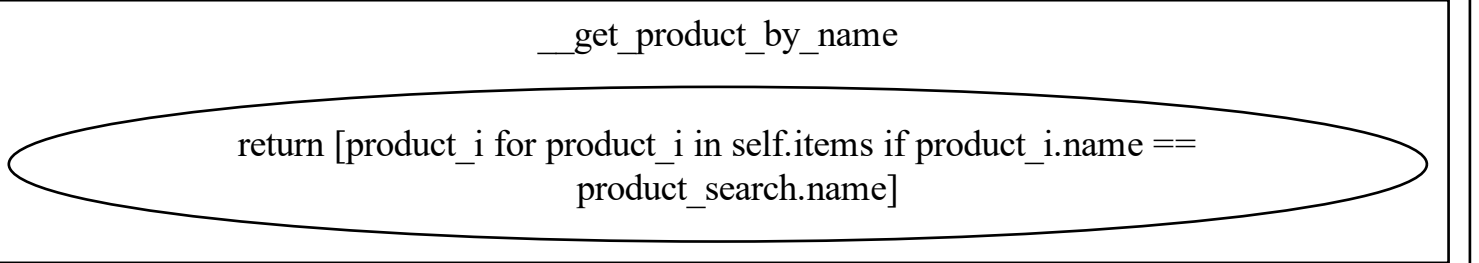
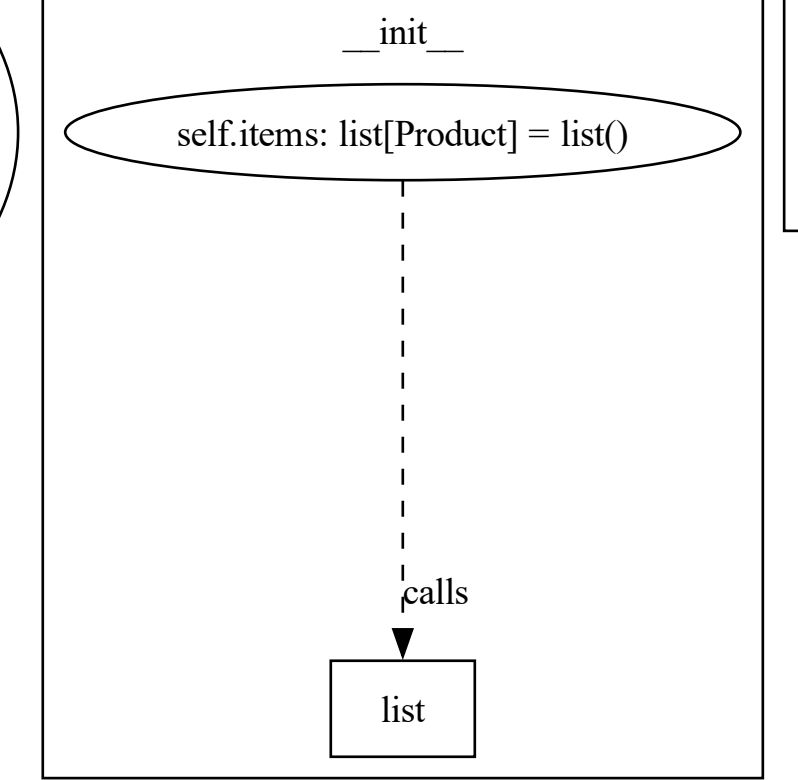


shop_search_and_purchase

```
from online_shopping_cart.product.product import Product

ShoppingCart class to represent the user's shopping cart

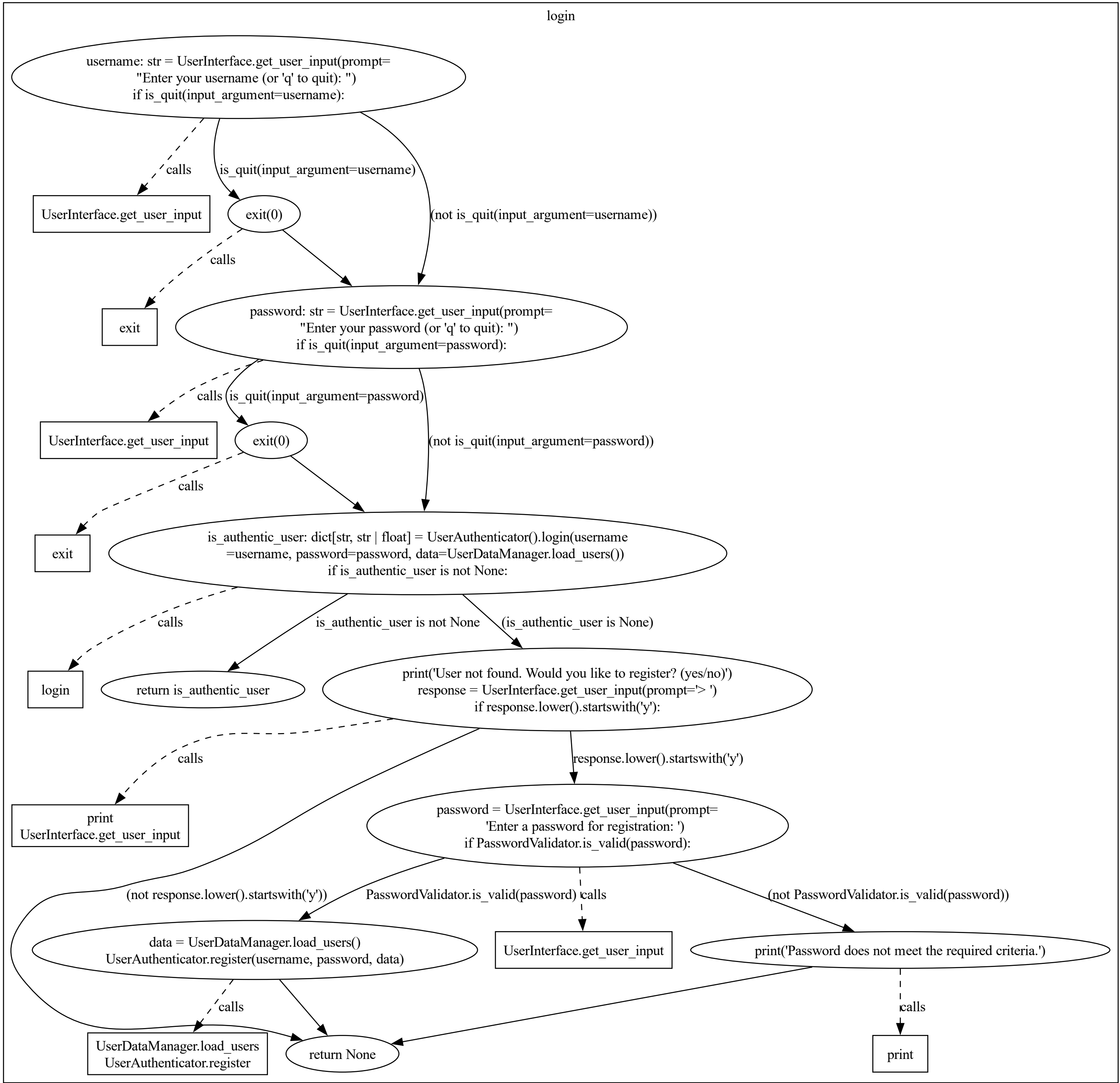
def __init__(self) ->None:...
def __get_product_by_name(self, product_search: Product) ->[Product]:...
def add_item(self, product) ->None:...
def remove_item(self, product: Product) ->None:...
def retrieve_items(self) ->list[Product]:...
def clear_items(self) ->None:...
def is_empty(self) ->bool:...
def get_total_price(self) ->float:...
```



shopping_cart

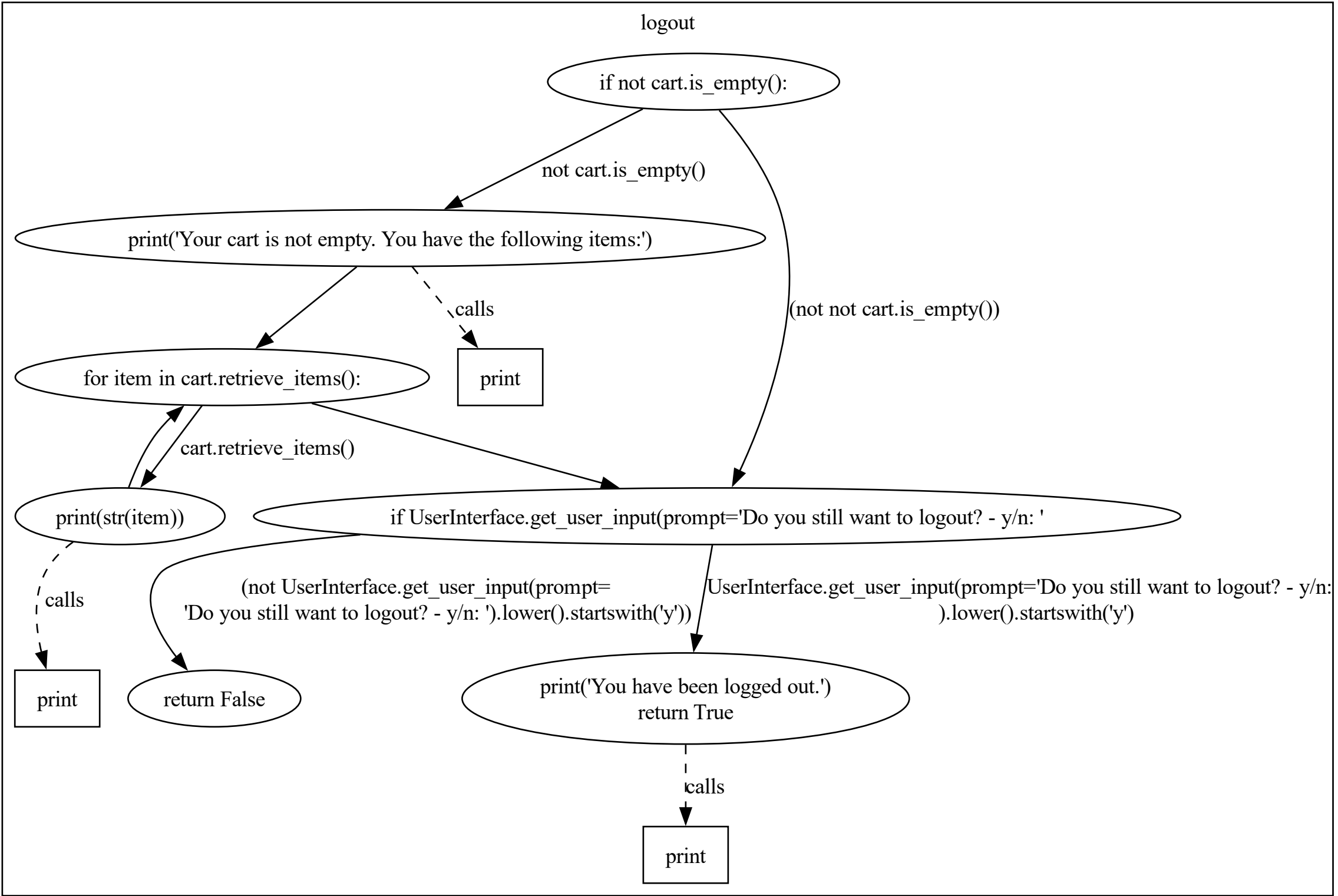
```
from online_shopping_cart.user.user_authentication import UserAuthenticator, PasswordValidator
from online_shopping_cart.user.user_interface import UserInterface
from online_shopping_cart.user.user_data import UserDataManager
def is_quit(input_argument: str) -> bool:...
def login() ->(dict[str, str | float] | None):...
```

```
is_quit
return input_argument.lower() == 'q'
```



user_login

```
from online_shopping_cart.user.user_interface import UserInterface
def logout(cart) -> bool:...
```



user_logout