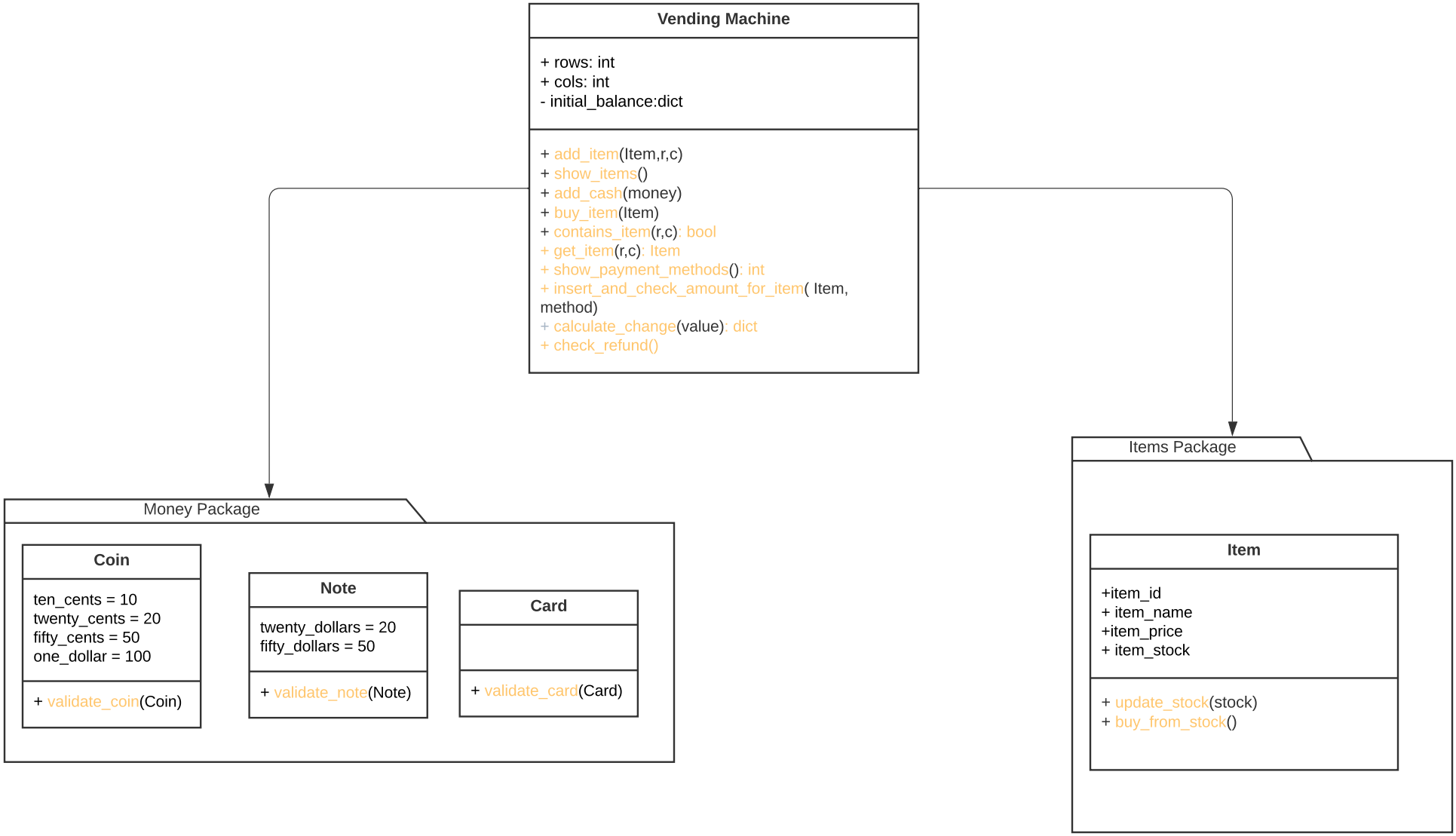
UML Diagram


Vending Machine
+ rows: int
+ cols: int
- initial_balance:dict
+ add_item(Item,r,c)
+ show_items()
+ add_cash(money)
+ buy_item(Item)
+ contains_item(r,c): bool
+ get_item(r,c): Item
+ show_payment_methods(): int
+ insert_and_check_amount_for_item(Item, method)
+ calculate_change(value): dict
+ check_refund()
Money Package
Coin
ten_cents = 10
twenty_cents = 20
fifty_cents = 50
one_dollar = 100
+ validate_coin(Coin)
Note
twenty_dollars = 20
fifty_dollars = 50
+ validate_note(Note)
Card
+ validate_card(Card)
Items Package
Item
+item_id
+ item_name
+item_price
+ item_stock
+ update_stock(stock)
+ buy_from_stock()