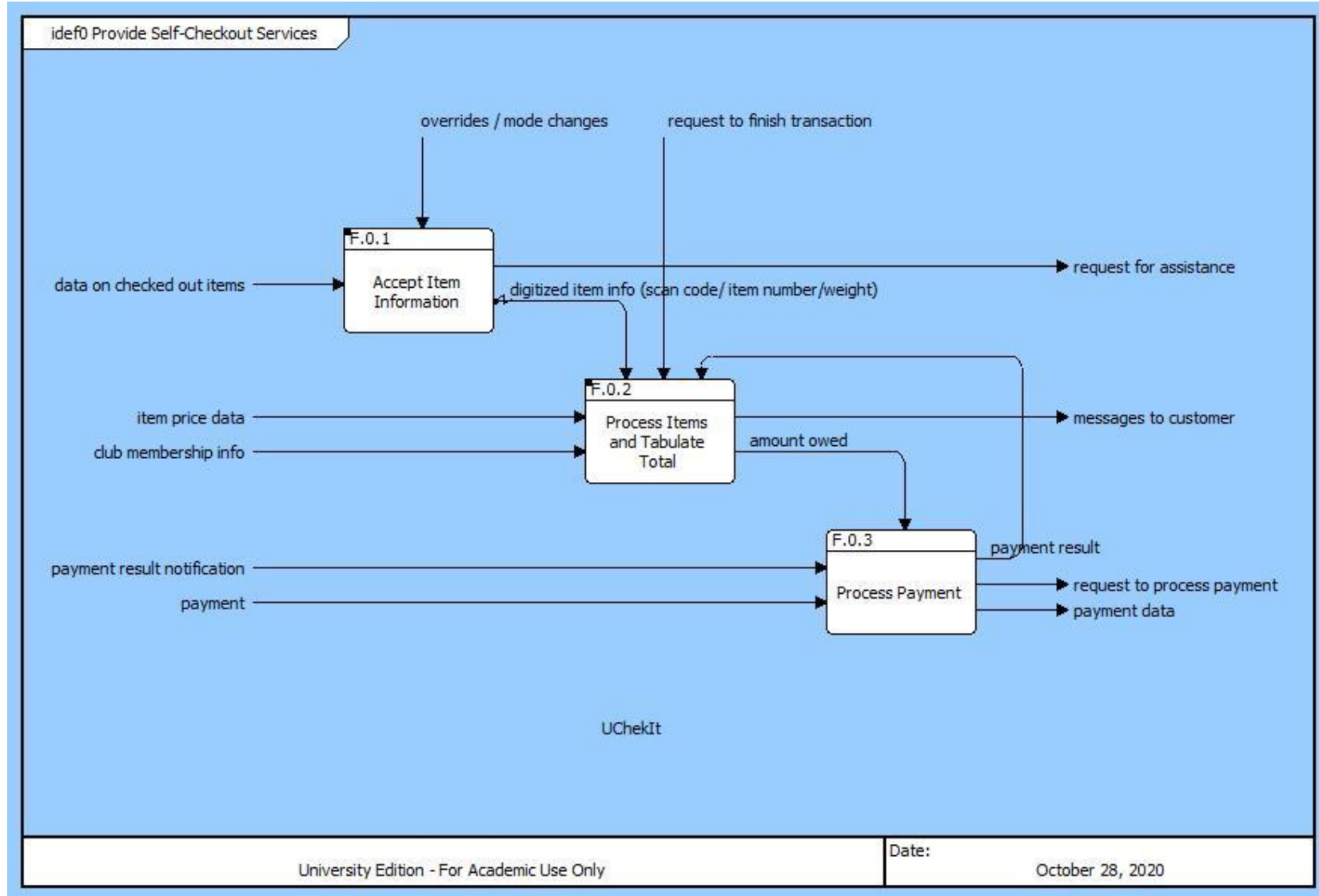


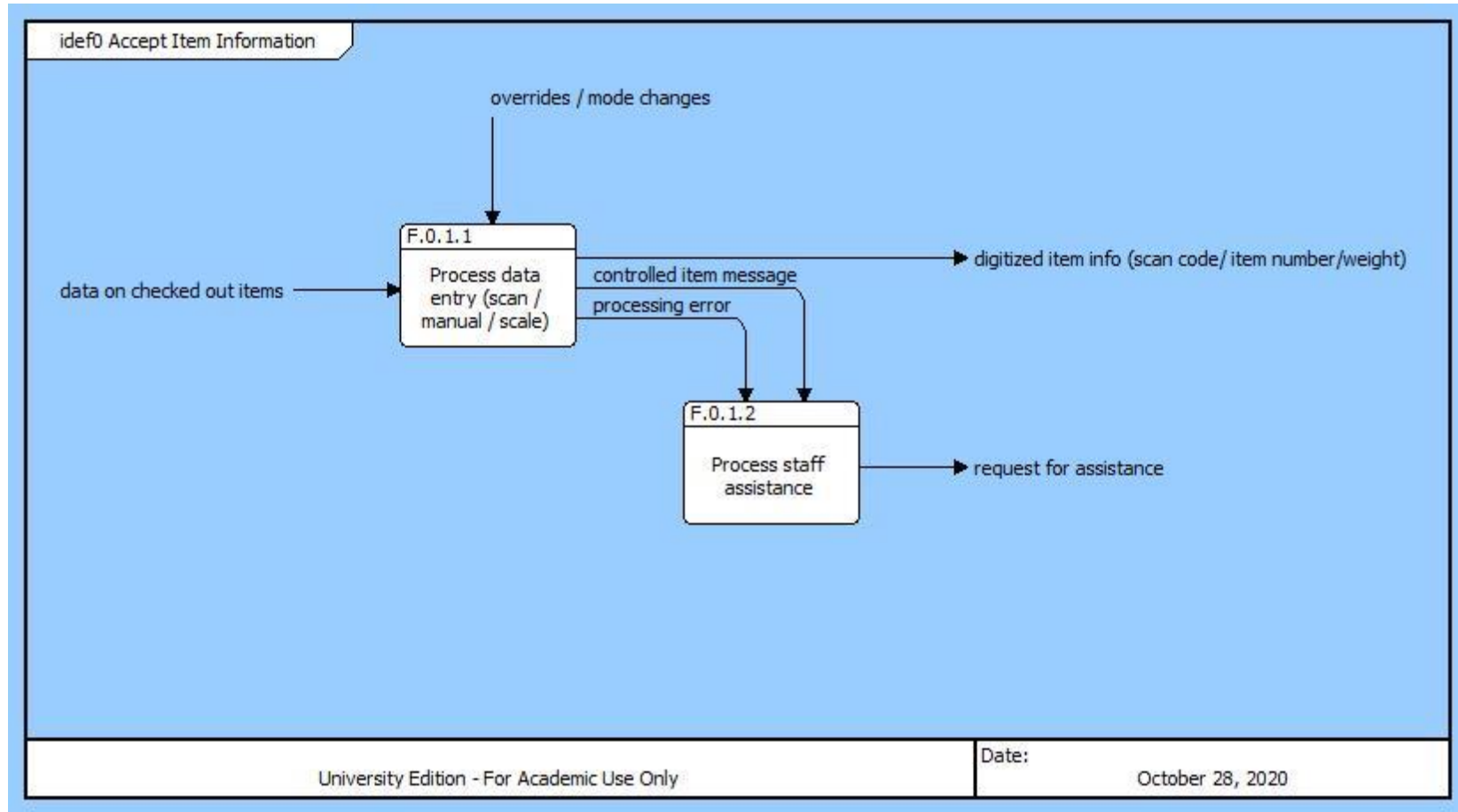
# UChekIt Data Model

October 29, 2020

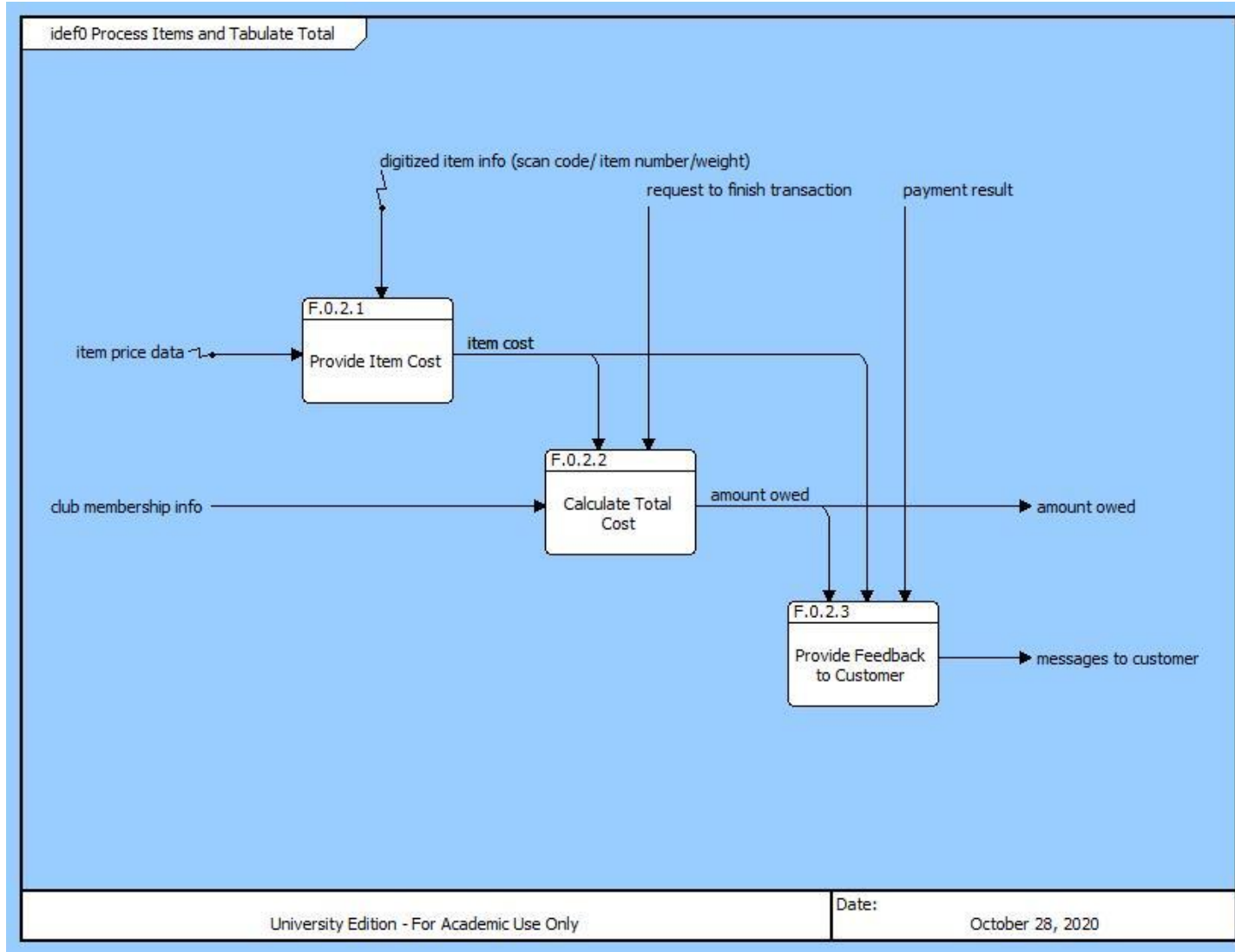
Function	Inputs	Controls	Outputs
F.0 Provide Self-Checkout Services	club membership info data on checked out items item price data payment payment result notification	overrides / mode changes request to finish transaction	messages to customer payment data request for assistance request to process payment
F.0.1 Accept Item Information	data on checked out items	overrides / mode changes	item number and weight request for assistance
F.0.1.1 Process data entry (scan / manual / scale)	data on checked out items	overrides / mode changes	controlled item message item number and weight processing error
F.0.1.2 Process staff assistance		controlled item message processing error	request for assistance
F.0.2 Process Items and Tabulate Total	club membership info	item number and weight payment result request to finish transaction	amount owed messages to customer
F.0.2.1 Provide Item Cost	item price data	item number and weight	item cost
F.0.2.2 Calculate Total Cost	club membership info	item cost request to finish transaction	amount owed
F.0.2.3 Provide Feedback to Customer		amount owed item cost payment result	messages to customer
F.0.3 Process Payment	payment payment result notification	amount owed	payment data payment result request to process payment



*This function accepts item information from customers, calculates the amount owed, processes payment, provides feedback to customers, and issues requests for assistance when needed.*



*This function accepts information on purchased items from the customer, matches it to inventory information, and outputs the item number and weight (if applicable). It also calls for assistance in case of error or attempted purchase of controlled substance.*



*This function accepts the item number and weight of an item, looks the item up in the database, and calculates its cost. When all items have been checked out, it tallies the total and provides it to the payment processing function. It displays feedback to the customer on each item's price, the total cost, the transaction result, and a receipt.*