QAP 04 - SD 12 - Group 6: ERD

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Rooms Status		Book	Bookings		Revenue	
PK	STM_Room_Num	PK	STM_Booking_ID]	PK	STM_Invoice_Num
	Cust_Name	FK	Cust_Name			Date_Invoice
	Cust_StreetAddress	FK	Cust_Phone		FK	Cust_Name
	Cust_City	FK	Date_CheckIn		FK	Cust_Phone
	Cust_Province	FK	Date_CheckOut	1		Cust_Payment_Method
	Cust_PostalCode			_		Charge_Room
	Cust_Phone	Supplies				Charge_Extras
	Cust_CreditCardNum	PK	UPC / Item ID			Charge_Subtotal
	Cust_CreditCardExp		Item_Name	1		Charge_Taxes
	Date_CheckIn		Num_OnHand	1		Charge_Total
	Date CheckOut)		_ '		

Defaults	- ST	Def.dat

STM Invoice Num

Rate_Room

Rate_HST

Rate_EarlyCheckIn

Rate_ExtraBed

Rate_ExtraKey

Rate LateCheckOut

Changes That Could be Made

The ERD could be improved by revamping how information is stored. we would add a customer table to hold customer-specific data. This would make the room status table much cleaner and avoid many empty values. Instead of the customer name, the room status would indicate if a room is occupied, vacant, under maintenance, or being cleaned.

We would also add a supplies transaction table to track supplies, storing a list of products in and out and their associated monthly costs. This would greatly help with long-term planning

The bookings table would benefit from a boolean or counter for extras charged during the stay. This would provide a clear record of additional charges applied during a customer's stay.

Finally, check-in and check-out dates should be moved to the booking table, as room status should reflect the current state, and the booking table should hold long-term booking data.