

ADDED REQUIREMENTS: 3

(Date: 25.08.2016)

- The client would like to add some new requirements to the existing project scope. This requirement is related to additional changes to an “already generated” invoice after successful booking.
- In this requirement, the system will allow super-admin / planner / accounts to update an “already generated” invoice after successful booking.
- In such scenario, after the booking is made, there may be some additional charges / discounts to be applied to the initial booking (after the actual booking is confirmed and the initial invoice is generated). The additional charges may include Deviation Charge, Visa Fee, etc. which are not possible to be captured during the time of initial booking.
- The maximum number of additional charges / discounts would be limited to 5 line items per invoice.
- Please take note that the 5 rows are predefined and cannot be added or deleted. But yes, you can edit / remove the values from filled in rows. In such cases, for example, you try to remove all field entries from a particular row (note that the row itself cannot be deleted, but the value inside the row is just removed), the system will generate an updated invoice to the agent after any such change on the overall booking invoice total and the credit threshold adjustment.
- Each line items would consist of 5 columns:
 - Description (Free Text)
 - Quantity (Numeric)
 - Addition or Discount
 - Rate (Can be positive or negative)
 - Amount (Quantity X Rate)

Tour Booking Adjustment
Record Run Help

Booking No: TB014162 Deviation: N Tour Code: 09ECERPS02/16EK

Special Instruction: TAXES & FUEL SURCHARGE SUBJECT TO CHANGE W/O PRIOR NOTICE

Currency: SGD Exchange Rate: Price Code: Privilege Card No: Look-Up: Tour Type

Code	Description	Qty	Rate	Amount
Charges 1	EARLYB EARLY BIRD DISCOUNT BY THONG	2	(\$50.00)	(\$100.00)
Charges 2		0	\$0.00	\$0.00
Charges 3		0	\$0.00	\$0.00
Charges 4		0	\$0.00	\$0.00
Charges 5		0	\$0.00	\$0.00
Charges 6		0	\$0.00	\$0.00
Charges 7		0	\$0.00	\$0.00

Additional Other Charges: Additional Charges: \$0.00

Total Other Charges: (\$100.00)

Other Charges Total: (\$100.00) **Gross Total:** \$8,448.00

- Once the planner / accounts / super admin wants to modify the booking amount, the system needs to validate and check if the new additional amount (as a whole) is available within the remaining Credit Threshold amount for that particular agent. It can have two scenarios as we can add more amount (+) or can apply discount (-) as well. Both cases are illustrated as below for a better understanding:

ADDITION:

If **YES**, meaning that the new addition is successful -- an updated invoice would be generated and the same will be emailed to that particular agent (**Take note that the system will save this latest invoice copy only, and the previous copies are NOT stored in the backend for future reference**).

Thus, each agent will receive the first invoice from the system during the time of initial booking (called INVOICE). Later, after any such updation by the planner / accounts / super admin is needed, the same agent will receive a new invoice (called UPDATED INVOICE) in their registered email for each such modifications.

If **NO**, meaning that if the new ADDED/UPDATED AMOUNT exceeds the REMAINING CREDIT THRESHOLD AMOUNT, system will not allow to execute the request, and thus, no changes take place to the original booking and the original invoice.

For example,

CREDIT THRESHOLD AMOUNT: \$1000.00

USED AMOUNT: \$900.00

REMAINING AMOUNT: \$100.00

UPDATED AMOUNT: Any amount below or equals the REMAINING AMOUNT will be passed, else anything more than the REMAINING BALANCE will be validated.

DEDUCTION:

If the New change is a deduction or discount, then the deduction value would be added to the LATEST REMAINING AMOUNT of that particular agent. In such cases, the system will check the deduction amount, which when added to the LATEST REMAINING AMOUNT of the agent, should not exceed the RELATED INVOICE AMOUNT of the agent.

(**Take note that the system will save this latest invoice copy only, and the previous copies are NOT stored in the backend for future reference**).

For example,

CREDIT THRESHOLD AMOUNT: \$5000.00

BOOKING 1 AMOUNT: \$500.00

REMAINING AMOUNT: \$4500.00

BOOKING 2 AMOUNT: \$4200.00

NEW REMAINING AMOUNT: \$300.00

UPDATED AMOUNT: This amount would be added to the NEW REMAINING AMOUNT, but should not affect the overall CREDIT THRESHOLD AMOUNT.

GENERAL QUESTIONS AND RECOMMENDATIONS FROM THE PROGRAMMING TEAM:

- 1) Should the system allow planner / super admin / accounts to modify an already updated row? Meaning, let's say the planner already updated the invoice amount by inserting one new row of data (consists of Code, Description, Qty and Rate). The system validates and allows to generate the 1st updated invoice. Now, in this scenario, the same planner or a different planner / accounts / super admin can update this same row to generate another updated invoice, or this row would be locked forever?

Note from Team: Client can manage all the 5 fields, for unlimited times. Each time, the "Updated Invoice" will be emailed to the agent in the specified email address.

- 2) In case of simultaneous transaction, where the agent is booking a new deal using the remaining threshold amount, and the planner / accounts / super admin block this pending threshold amount to generate a updated invoice at the same time. How would the system work, if in case, based on the available threshold amount, the agent is already in the final step after passing through all validations in the past steps?

Note from Team: The agent booking will be blocked on the last step, if the required value is not available on their Balance Credit Threshold Amount.

While we search with "Generic Tour Code" or "Tour Area Code" we are not receiving any flight details. What is the procedure to fetch flight details?

>> Help to do a cache database and store the Flight Details for all generic tour codes, along with the specific tour codes.

Develop Cache Module for FLIGHT DETAILS and call data from API and store into caches

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