# **Invoice Calculation Logic**

# **▼** 1. Objective

To explain how invoices are calculated for various payment scenarios:

- Web/Android Payments
- Apple (App Store) Payments
- B2C Upgrades (Plan Upgrades)

# **▼** 2. Key Invoice Fields (Row Level)

Field	Explanation
Plan Price	Price of the plan from the DB ( plan_price ).
Amount Paid	Actual money received from the user ( amount ).
Discount	Calculated as Plan Price - Amount Paid . (shown as positive value)
Net Price (before GST)	Amount Paid / 1.18 (as our prices are inclusive of 18% GST).
GST (CGST/SGST/IGST)	Amount Paid - Net Price, split by user state.
HSN/SAC Code	GST classification code (HSN for physical, SAC for digital).
Quantity	Always 1.

# **▼ 3. Web/Android Purchases — Standard Case**

Field	Example
Plan Price	₹5,000
Amount Paid	₹4,000
Discount	₹1,000
GST	Calculated on ₹4,000

### **▼** 4. Apple (App Store) Purchases — Special Case

#### **Problem:**

- Users pay apple\_plan\_price (higher).
- Invoice wrongly uses our internal plan\_price (lower).
- Results in a **negative discount** on the invoice.



### **Current (Incorrect Behavior in Invoice):**

Field	Value
Plan Price	₹42,000 (picked from internal plan_price )
Amount Paid	₹44,900 ( apple_plan_price )
Discount	₹-2,900 (shown wrongly as +2,900)

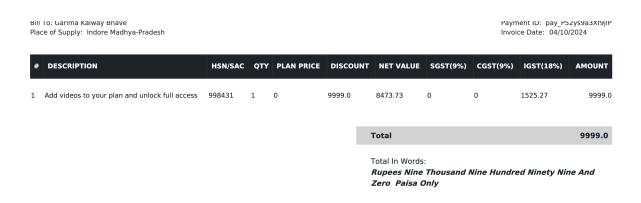
### **Expected (Correct Behavior):**

Field	Value
Plan Price	₹44,900 ( apple_plan_price )
Amount Paid	₹44,900
Discount	0

# **▼** 5. B2C Upgrades — Special Case

#### **Behavior:**

- In B2C Plan Upgrades, Plan Price is stored as ₹0 in DB.
- The user pays only the upgrade differential amount.
- System calculates:



### What Happens Now (Incorrect):

Field	Example
Plan Price	₹0 ( plan_price stored as 0 for B2C Upgrade)
Amount Paid	₹9,999 (actual paid amount)
Discount	-₹9,999 (incorrect: shown as +₹9,999 in invoice)

### **What Should Happen (Correct):**

Field	Example
Plan Price	₹9,999 (should take amount as plan price for B2C Upgrade)
<b>Amount Paid</b>	₹9,999
Discount	₹0 (no discount applied in B2C Upgrade)

GST and Tax calculated on ₹3,000 - which is correct.

# **▼** 6. Add-ons & Shipping

• Each addon and shipping charge appears as a separate row.

- No discount applied to these rows.
- GST is calculated separately for each based on type (HSN/SAC).

### **▼** 7. Current Gaps to Fix

- Apple Plan Price
- B2C Upgrade Logic
- Negative Discounts

#### **Problem:**

When **Plan Price < Amount Paid**, the calculated discount becomes negative(shown as positive), which is incorrect and misleading in the invoice.

#### **Recommended Solution:**

In such cases, **Plan Price should be set equal to Amount Paid** to avoid negative discount

### **Example:**

#### **Current (Incorrect Behaviour):**

Field	Value
Plan Price	₹0 (B2C Upgrade case — stored as 0 in DB)
Amount Paid	₹9,999
Discount	₹-9,999 (shown wrongly as +9,999)

### **Expected (Correct Behaviour):**

Field	Value
Plan Price	₹9,999 (set equal to Amount Paid)
Amount Paid	₹9,999
Discount	₹0 (no discount)