

## Subscription Management System

---

### CustomerSubscriptions

Field	Type	Constraint
Subscription_Id	integer	Primary Key, Auto-generated
User_Id	integer	Foreign Key (UserAccounts.User_Id)
Plan_Id	integer	Foreign Key (SubscriptionPlans.Plan_Id)
Start_Date	timestamp with time zone	Not Null
End_Date	timestamp with time zone	Not Null
Status	text	Not Null
Payment_Status	text	Not Null
Payment_Method	text	Not Null
Discount_Applied	numeric	Nullable
Created_At	timestamp with time zone	Not Null
Updated_At	timestamp with time zone	Not Null

### Feedbacks Table

Field	Type	Constraint
Feedback_Id	integer	Primary Key, Auto-generated
User_Id	integer	Foreign Key (UserAccounts.User_Id)

Field	Type	Constraint
Vendor_Id	integer	Foreign Key (VendorProfiles.Vendor_Id)
Rating	integer	Not Null
Comments	text	Nullable
Submitted_At	timestamp with time zone	Not Null
Created_At	timestamp with time zone	Not Null
Updated_At	timestamp with time zone	Not Null

## Invoices

Field	Type	Constraint
Invoice_Id	integer	Primary Key, Auto-generated
Payment_Id	integer	Foreign Key (Payments.Payment_Id)
Invoice_Number	character varying(50)	Not Null
Issue_Date	timestamp with time zone	Not Null
Due_Date	timestamp with time zone	Not Null
Total_Amount	numeric	Not Null
Created_At	timestamp with time zone	Not Null
Updated_At	timestamp with time zone	Not Null

## Notifications

Field	Type	Constraint
Notification_Id	integer	Primary Key, Auto-generated
User_Id	integer	Foreign Key (UserAccounts.User_Id)
Notification_Type	text	Not Null
Message	text	Not Null
Status	text	Not Null
Created_At	timestamp with time zone	Not Null
Sent_At	timestamp with time zone	Nullable
Subject	character varying(255)	Not Null
Is_Email	boolean	Not Null

## Payments

Field	Type	Constraint
Payment_Id	integer	Primary Key, Auto-generated
User_Id	integer	Foreign Key (UserAccounts.User_Id)
Plan_Id	integer	Foreign Key (SubscriptionPlans.Plan_Id)
Amount	numeric	Not Null
Payment_Date	timestamp with time zone	Not Null

Field	Type	Constraint
Payment_Method	text	Not Null
Transaction_Id	text	Not Null
Payment_Status	text	Not Null

## Promotions

Field	Type	Constraint
Promotion_Id	integer	Primary Key, Auto-generated
Promotion_Code	character varying(50)	Not Null
Discount_Percentage	numeric	Not Null
Start_Date	timestamp with time zone	Not Null
End_Date	timestamp with time zone	Not Null
Usage_Limit	integer	Not Null
Created_At	timestamp with time zone	Not Null
Updated_At	timestamp with time zone	Not Null
Plan_Id	integer	Foreign Key (SubscriptionPlans.Plan_Id)

## SubscriptionPlans

Field	Type	Constraint
Plan_Id	integer	Primary Key, Auto-generated
Vendor_Id	integer	Foreign Key (VendorProfiles.Vendor_Id)
Plan_Name	character varying(255)	Not Null
Description	text	Nullable
Price	numeric	Not Null
Duration_In_Days	integer	Not Null
Features	text	Nullable
Is_Active	boolean	Not Null
Created_At	timestamp with time zone	Not Null
Updated_At	timestamp with time zone	Not Null