

Application
<div>- applicationID: String</div> <div>- Date: String</div> <div>- status: String</div> <div>- SSN: Number</div> <div>- age: Number</div> <div>- emailID: String</div>
<div>+ addApplicationInformation()</div> <div>+ modifyInformation()</div> <div>+ displayInformation()</div> <div>+ deleteInformation()</div>

Registration
<div>- RegistrationID: String</div> <div>- Date: String</div> <div>- status: String</div> <div>- SSN: Number</div> <div>- age: Number</div> <div>- emailID: String</div>
<div>+ addRegistrationInformation()</div> <div>+ modifyInformation()</div> <div>+ displayInformation()</div> <div>+ deleteInformation()</div>

Users/Employee/Person/People
<div>- userID: String</div> <div>- userType: String</div> <div>- firstName: String</div> <div>- lastName: String</div> <div>- age: Number</div> <div>- phone: String</div> <div>- address: String</div> <div>- zipCode: String</div> <div>- emailID: String</div>
<div>+ addUserInformation()</div> <div>+ viewUserInformation()</div> <div>+ updateUserInformation()</div> <div>+ deleteUserInformation()</div>

Customers
<div>- customerID: Number</div> <div>- userID: Number</div> <div>- accountUsername: String</div> <div>- accountPassword: String</div> <div>- renewalMethod: Boolean</div> <div>- creditCardDetails: String</div>
<div>+ addCustomerInformation()</div> <div>+ viewCustomerInformation()</div> <div>+ updateCustomerInformation()</div> <div>+ selectSubscription()</div> <div>+ addCreditCardDetails()</div> <div>+ selectRenewalMethod()</div>

Subscribers
<div>- userID: Number</div> <div>- subscriberID: Number</div> <div>- accountUsername: String</div> <div>- accountPassword: String</div> <div>- subscriptionType: Boolean</div>
<div>+ addSubscriberInformation()</div> <div>+ updateSubscriberInformation()</div> <div>+ viewSubscriberInformation()</div>

Gold_Customers
<div>- userID: Number</div> <div>- subscriberID: Number</div> <div>- accountUsername: String</div> <div>- accountPassword: String</div>
<div>+ addSubscriberInformation ()</div> <div>+ updateSubscriberInformation ()</div> <div>+ viewSubscriberInformation ()</div> <div>+ selectPaidDietPlan ()</div> <div>+ selectPaidWorkoutPlan ()</div> <div>+ addPlanToFavourites ()</div> <div>+ removePlanFromFavourites ()</div> <div>+ updateFavouritesList ()</div> <div>+ exportData ()</div>

Platinum_Customers
<div>- userID: Number</div> <div>- subscriberID: Number</div> <div>- accountUsername: String</div> <div>- accountPassword: String</div>
<div>+ addSubscriberInformation()</div> <div>+ updateSubscriberInformation()</div> <div>+ viewSubscriberInformation()</div> <div>+ selectPaidDietPlan ()</div> <div>+ selectPaidWorkoutPlan ()</div> <div>+ addPlanToFavourites ()</div> <div>+ removePlanFromFavourites ()</div> <div>+ updateFavouritesList ()</div> <div>+ exportData ()</div> <div>+ selectProviderToShareData ()</div>

Product
<div>- productID: Number</div> <div>- title: String</div> <div>- cost: String</div> <div>- productStatus: String</div> <div>- rating: String</div>
<div>+ addProductInformation()</div> <div>+ updateProductInformation()</div> <div>+ displayProductInformation()</div> <div>+ updateProductStatus()</div> <div>+ deleteProduct ()</div>

Health_Questionnaire_Current_Fitness
<div>- userID: Number</div> <div>- weight: Number</div> <div>- height: Number</div> <div>- age: Number</div> <div>- workoutFrequency: String</div> <div>- dietType: Boolean</div> <div>- calorieIntake: Number</div>
<div>+ addDetails()</div> <div>+ viewDetails()</div> <div>+ updateDetails()</div> <div>+ deleteDetails()</div>

Health_Questionnaire_Fitness_Goals
<div>- userID: Number</div> <div>- height: Number</div> <div>- age: Number</div> <div>- targetWeight: Number</div> <div>- timeNeeded: Number</div> <div>- workoutFrequency: String</div> <div>- workoutType: String</div>
<div>+ addDetails()</div> <div>+ viewDetails()</div> <div>+ updateDetails()</div> <div>+ deleteDetails()</div>

Medical_History
<div>- userID: Number</div> <div>- age: Number</div> <div>- permanentDisability: Boolean</div> <div>- majorInjuries: String</div> <div>- allergies: String</div> <div>- immunizationsTaken: String</div> <div>- providerCertificate: Boolean</div>
<div>+ addDetails()</div> <div>+ viewDetails()</div> <div>+ updateDetails()</div> <div>+ deleteDetails()</div>

Medications
<div>- userID: Number</div> <div>- age: Number</div> <div>- currentMedications: String</div> <div>- longTermMedications: Boolean</div>
<div>+ addDetails()</div> <div>+ updateDetails()</div> <div>+ viewDetails()</div> <div>+ deleteDetails()</div>

Providers
<div>- userID: Number</div> <div>- providerID: Number</div> <div>- accountUsername: String</div> <div>- accountPassword: String</div> <div>- firstName: String</div> <div>- LastName: String</div> <div>- medicalLicenseNumber: Number</div> <div>- healthcareprovider: String</div>
<div>+ addProviderInformation()</div> <div>+ viewProviderInformation()</div> <div>+ updateProviderInformation()</div>

Workout_plans
<div>- userID: Number</div> <div>- customerID: Number</div> <div>- subscriberID: Number</div> <div>- majorInjuries: String</div> <div>- immunizationsTaken: String</div> <div>- workoutType: String</div> <div>- currentMedications: String</div> <div>- longTermMedications: Boolean</div> <div>- providerCertificate: Boolean</div>
<div>- chooseWorkoutPlan ()</div> <div>- updateWorkoutPlan ()</div> <div>- viewWorkoutPlan ()</div> <div>- discontinueWorkoutPlan ()</div>

Diet_Plans
<div>- userID: Number</div> <div>- customerID: Number</div> <div>- subscriberID: Number</div> <div>- dietType: String</div> <div>- dietDuration: String</div> <div>- currentMedications: String</div> <div>- longTermMedications: Boolean</div>
<div>- chooseDietPlan ()</div> <div>- updateDietPlan ()</div> <div>- viewDietPlan ()</div> <div>- discontinueDietPlan ()</div>

Payments
<div>- userID: Number</div> <div>- subscriptionType: String</div> <div>- subscriptionPrice: Number</div> <div>- paidDietPlanPrice: Number</div> <div>- paidWorkoutPlanPrice: Number</div> <div>- creditCardDetails: String</div> <div>- autoPayement: Boolean</div> <div>- transactionHistory: String</div>
<div>+ addPaymentMethod ()</div> <div>+ setAutoPayment ()</div> <div>+ displayTransactionHistory ()</div> <div>+ printTransactionHistory ()</div> <div>+ sendEmailNotifications ()</div> <div>+ takeAutoPayments ()</div>

Contract
<div>- subscriptionType: String</div> <div>- duration: String</div> <div>- paidDietPlansSubcribed: String</div> <div>- paidWorkoutPlansSubcribed: String</div>
<div>+ viewContract ()</div> <div>+ printContract ()</div> <div>+ shareContract ()</div> <div>+ requestContractUpdate ()</div>

Agreement
<div>- agreementID: String</div> <div>- subscriptionType: String</div> <div>- duration: String</div> <div>- paidDietPlansSubcribed: String</div> <div>- paidWorkoutPlansSubcribed: String</div>
<div>+ viewContract ()</div> <div>+ printContract ()</div> <div>+ shareContract ()</div> <div>+ requestContractUpdate ()</div>

Recipe
<div>- recipeID: Number</div> <div>- customerID: Number</div> <div>- subscriberID: Number</div> <div>- recipeType: String</div> <div>- allergies: String</div>
<div>- addRecipe()</div> <div>- updateRecipe ()</div> <div>- viewRecipe ()</div> <div>- deleteRecipe ()</div>

Favourite_lists
<div>- listName: String</div> <div>- dietPlans: String</div> <div>- workoutPlans</div>
<div>+ editListName ()</div> <div>+ editListItems ()</div> <div>+ viewLists ()</div>

Billing History
<div>- receiptID: Number</div> <div>- subscriptionType: String</div> <div>- subscriptionPrice: Number</div> <div>- paidDietPlanPrice: Number</div> <div>- paidWorkutPlanPrice: Number</div> <div>- creditCardDetails: String</div> <div>- autoPayment: Boolean</div> <div>- transactionHistory: String</div>
<div>+ viewReceipt ()</div> <div>+ shareReceipt ()</div> <div>+ printReceipt()</div> <div>+ printTransactionHistory()</div>

States

Application: Online, Offline

Registration: In Progress, Submitted

Product: Offered, Not Offered

Agreement: Current, Expired

Customer: Auto Renewal, Manual

Gold Customer: Active, Inactive

Platinum Customer: Active, Inactive

Questionnaire: In progress, Completed/ Submitted

Employee: Active/Inactive

Payment: Pending/ Received

Receipt: Pending/ Generated

Important Inheritances

Customer – Free and Premium
Customers(Subscribers)

Premium Customers(Membership/Plan) – Gold
and Platinum

Employee – Personal Trainers(Fitness Trainer/
Trainer), Dieticians(Nutritionist), Healthcare
Providers

Products – Workout Plan and Diet Plan