// Operational Modules???

sign\_up() {

email = print(Email: )

password = print(Password: )

credit\_card = print(Credit Card: )

package\_level = print(Package Level: )

customer\_database.add\_user(email, password, credit\_card, package\_level)

}

sign\_in() {

print(Email: )

print(Password: )

print(Signed In as ...)

display\_main\_menu(email)

}

sign\_out() {

print(Signed out)

}

display\_menu(email) {

print(Check In)

print(My Account)

}

check\_in() {

print(Enjoy your workout!)

sign\_out()

}

view\_account() {

print(Add-Ons)

print(Schedule Appointment)

print(See my Progress)

}

// Manager Class

add\_employee(name, email, password, title):

employee\_database.add\_user(name, email, password, title)

remove\_employee(name):

employee\_database.remove\_user(name)

// Customer Class

display\_training\_progress() {

print(training\_progress)

}

display\_diet\_progress() {

print(diet\_progress)

}

display\_current\_package() {

print(current\_package)

}

// Dietitian Class

update\_customer\_calorie\_intake(name, calories) {

diet\_progress.update\_calorie\_intake(name, calories)

}

update\_customer\_current\_weight(name, calories) {

diet\_progress.update\_current\_weight(name, weight)

}

update\_customer\_target\_weight(name, calories) {

diet\_progress.update\_target\_weight(name, weight)

}

// Trainer Class

update\_customer\_bench\_press\_weight(name, weight) {

training\_progress.update\_bench\_press\_weight(name, weight)

}

update\_customer\_aerobic\_activity(name, time) {

training\_progress.update\_aerobic\_activity(name, time)

}

update\_customer\_weight(name, time) {

training\_progress.update\_weight(name, weight)

}

// Manager Report Class

add\_weekly\_revenue\_to\_total() {

total\_revenue += weekly\_revenue

}

// Manager Report Control Class

generate\_weekly\_revenue\_report() {

print(Monday: $$$)

print(Tuesday: $$$)

print(Wednesday: $$$)

print(Thursday: $$$)

print(Friday: $$$)

print(Saturday: $$$)

print(Sunday: $$$)

}

generate\_annual\_revenue\_report() {

print(Annual Revenue: $$$)

}

generate\_attendance\_report() {

print(Monday: #)

print(Tuesday: #)

print(Wednesday: #)

print(Thursday: #)

print(Friday: #)

print(Saturday: #)

print(Sunday: #)

}

// Customer Training Progress Class

// Each customer has a customer\_progess object

// Each employee has a customer\_progess object so that they can call methods

// Needs access to customer\_database to update customer

update\_bench\_press(customer\_name, weight) {

customer\_database[customer\_name].customer\_progress.bench\_press\_weight = weight

}

update\_aerobic\_activity(customer\_name, time) {

customer\_database[customer\_name].customer\_progress.aerobic\_activity = time

}

update\_customer\_weight(customer\_name, weight) {

customer\_database[customer\_name].customer\_progress.customer\_weight = weight

}

// Customer Diet Progress Class

// Each customer has a diet\_progress object

// Each employee has a diet\_progress object so that they can call methods

// Needs access to customer\_database to update customer

update\_calorie\_intake(calories, customer\_name) {

customer\_database[customer\_name].diet\_progress.calorie\_intake = calories

}

update\_current\_weight(weight, customer\_name) {

customer\_database[customer\_name].diet\_progress.current\_weight = weight

}

update\_target\_weight(a) {

customer\_database[customer\_name].diet\_progress.target\_weight = weight

}

// Service Class

display\_services() {

print(Dietitian: ---)

print(Massage Therapist: ---)

}

// Employee Schedule Class

display\_schedule() {

print(Monday: ...)

print(Tuesday: ...)

print(Wednesday: ...)

print(Thursday: ...)

print(Friday: ...)

print(Saturday: ...)

print(Sunday: ...)

}

add\_employee\_to\_schedule(service=None, employee\_name, time) {

// Dictionary

employee\_schedule[employee\_name].append(time)

}

remove\_employee\_from\_schedule(employee\_name, time) {

# Remove at a certain time

employee\_schedule.remove(employee\_name)

}

// Membership Package Class

display\_package\_levels() {

print(Bronze: ...)

print(Silver: ...)

print(Gold: ...)

}

change\_current\_package(new\_package) {

current\_package = new\_package

}

// Customer Schedule Class

book\_trainer(trainer\_name, time, schedule) {

schedule[trainer\_name].append(time)

}

book\_dietitian(dietitian\_name, time, schedule) {

schedule[dietitian].append(time)

}

book\_massage\_therapist(massage\_therapist\_name, time, schedule) {

schedule[trainer\_name].append(time)

}

display\_availability() {

print(Monday: ...)

print(Tuesday: ...)

print(Wednesday: ...)

print(Thursday: ...)

print(Friday: ...)

print(Saturday: ...)

print(Sunday: ...)

}

// Employee Database Class (Override Base Class methods)

// Pass in employee object

add\_person(employee) {

employee\_database.append(employee)

}

remove\_peson(employee) {

employee\_database.remove(employee)

}

// Customer Database Class (Override Base Class methods)

// Pass in customer object

add\_person(customer) {

customer\_database.append(employee)

}

remove\_peson(employee) {

customer\_database.remove(customer)