Java Class Files

// Plan class

public class Plan {

private int plan\_Id;

private String name;

private String description;

// Constructor

public Plan(int plan\_Id, String name, String description) {

this.plan\_Id = plan\_Id;

this.name = name;

this.description = description;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static Plan[] samplePlans() {

Plan[] plans = new Plan[2];

plans[0] = new Plan(1, "Weight Loss Plan", "Customized plan for losing weight");

plans[1] = new Plan(2, "Muscle Gain Plan", "Structured plan for building muscle mass");

return plans;

}

}

// Progress class

public class Progress {

private int progress\_Id;

private int user\_Id;

private Date datel;

private int weight;

private String measurement;

// Constructor

public Progress(int progress\_Id, int user\_Id, Date datel, int weight,String measurement) {

this.progress\_Id = progress\_Id;

this.user\_Id = user\_Id;

this.date = date;

this.weight = weight;

this.measurement=measurement;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static Progress[] sampleProgresses() {

Progress[] progresses = new Progress[2];

progresses[0] = new Progress(1, 1, new Date(), 72,”chest:90,waist:80,hips:100”);

progresses[1] = new Progress(2, 2, new Date(), 68, ,”chest:100,waist:90,hips:105”);

return progresses;

}

}

// Nutrition class

public class Nutrition {

private int nutrition\_id;

private int user\_id;

private String food\_name;

private int calories;

// Constructor

public Nutrition(int nutrition\_Id, int user\_Id,String food\_name, int calories) {

this.nutrition\_Id = nutrition\_Id;

this.user\_Id= user\_Id;

this.food\_name= food\_name;

this.calories =calories;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static Nutrition[] sampleNutritions() {

Nutrition[] nutritions = new Nutrition[2];

nutritions[0] = new Nutrition(1, 1,"Breakfast",66);

nutritions[1] = new Nutrition(2, 2, "Lunch",77);

return nutritions;

}

}