Java Class Files

package fitness.app;

import java.util.Date;

// User class

public class User {

private int user\_Id;

private String name;

private String email;

private int age;

// Constructor

public User(int user\_Id, String name, String email, int age) {

this.user\_Id = user\_Id;

this.name = name;

this.email = email;

this.age = age;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static User[] sampleUsers() {

User[] users = new User[2];

users[0] = new User(1, "JohnDoe", "john@example.com", 25);

users[1] = new User(2, "JaneSmith", "jane@example.com", 30,);

return users;

}

}

// Workout class

public class Workout {

private int workout\_Id;

private int user\_Id;

private Date datel;

private int duration;

private String workout\_type;

// Constructor

public Workout(int workout\_Id, int user\_Id, Date datel, int duration, String work\_type) {

this.workout\_Id = workout\_Id;

this.user\_Id = user\_Id;

this.datel= datel;

this.duration = duration;

this.workout\_type = workout\_type;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static Workout[] sampleWorkouts() {

Workout[] workouts = new Workout[2];

workouts[0] = new Workout(1, 1, new Date(), 60, "Running );

workouts[1] = new Workout(2, 2, new Date(), 45, "Cycling", );

return workouts;

}

}

// Activity class

public class Activity {

private int activity\_Id;

private String name;

private String description;

// Constructor

public Activity(int activity\_Id, String name, String description) {

this.activity\_Id = activity\_Id;

this.name = name;

this.description = description;

}

// Getters and setters

// Add getters and setters for all attributes

// Sample data

public static Activity[] sampleActivities() {

Activity[] activities = new Activity[2];

activities[0] = new Activity(1, "Walking", "Morning walk in the park");

activities[1] = new Activity(2, "Swimming", "Afternoon swim at the pool");

return activities;

}

}