# Class Diagrams

**Project Title: Snappy Workout**

Team Name: Snappy

Team Members' Names:

Jianqiang Du
Peter Bui
Taylor Bui (leader)
Trung Nguyen

```
┌─────────────┐ 1    creates ->   0..*┌─────────────┐ 1   includes ->  1..*┌─────────────┐
│    User     │──────────────────────│ WorkoutPlan │─────────────────────│  Exercise   │
└─────────────┘                      └─────────────┘                     └─────────────┘
```

**List of Attributes for Each Object:**

1.  User
    a.  Int id : a unique identifier of the user
    b.  String username : the username of the account
    c.  String password : the password of the account
2.  WorkoutPlan
    a.  String name : the name of the workout plan
    b.  Date startDate : the starting date of the plan
    c.  Date endDate : the ending date of the plan
    d.  String note : plan note
3.  Exercise
    a.  String name : the name of the exercise
    b.  String type : the type of exercise
    c.  Int duration : how long the exercise lasts
    d.  String explanation : explains how the exercise is done