FitnessPlan

-name: String
-age: int
-weight: double
-height: double
-objectives: String[]
-startDate: Date
-endDate: Date

+ FitnessPlan(name: String, age: int, weight: double, height: double, objectives: String[], startDate: Date, endDate: Date)

+ getName(): String

+ getAge(): int

+ getWeight(): double

+ getHeight(): double

+ getBMI(): double

+ getObjectives(): String[]

+ getStartDate(): Date

+ getEndDate(): Date

+ formatDate(date: Date): String

Main

+main(args: String[]): void

```
┌─────────────────────────────────────────────┐
│               FitnessProgress                │
├─────────────────────────────────────────────┤
│ -date: Date                                  │
│ -scores: double[]                            │
├─────────────────────────────────────────────┤
│ + FitnessProgress(date: Date, scores: double[]) │
│                                              │
│ + getDate(): Date                            │
│                                              │
│ + setDate(date: Date): void                  │
│                                              │
│ + getScores(): double[]                      │
│                                              │
│ + setScores(scores: double[]): void          │
│                                              │
└─────────────────────────────────────────────┘
```
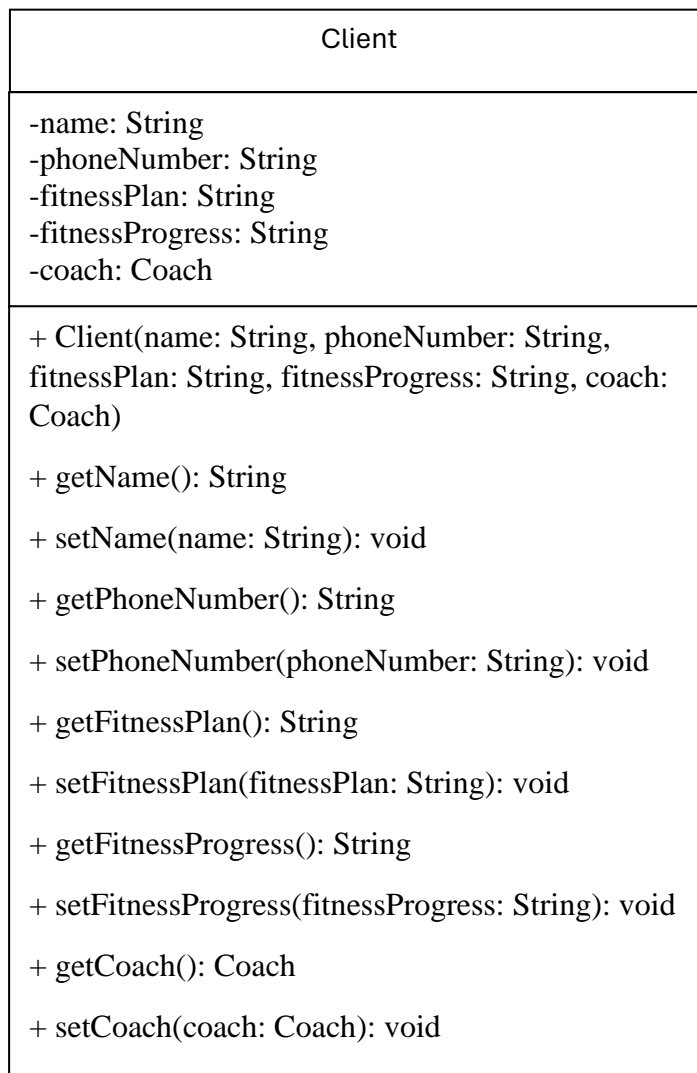
FitnessProgress.java

FitnessPlan
+main(args: String[]): void

FitnessPlan.java

FitnessPlan

-name: String
-description: String

+ FitnessPlan(name: String, description: String)

+ getName(): String

+ toString(): String

Aggregate

FitnessPlans

-plans: ArrayList<FitnessPlan>

+ FitnessPlans()
+ addPlan(name: String, description: String): void
+ removePlan(name: String): void
+ printPlans(): void
+ findPlan(name: String): void
+ main(args: String[]): void
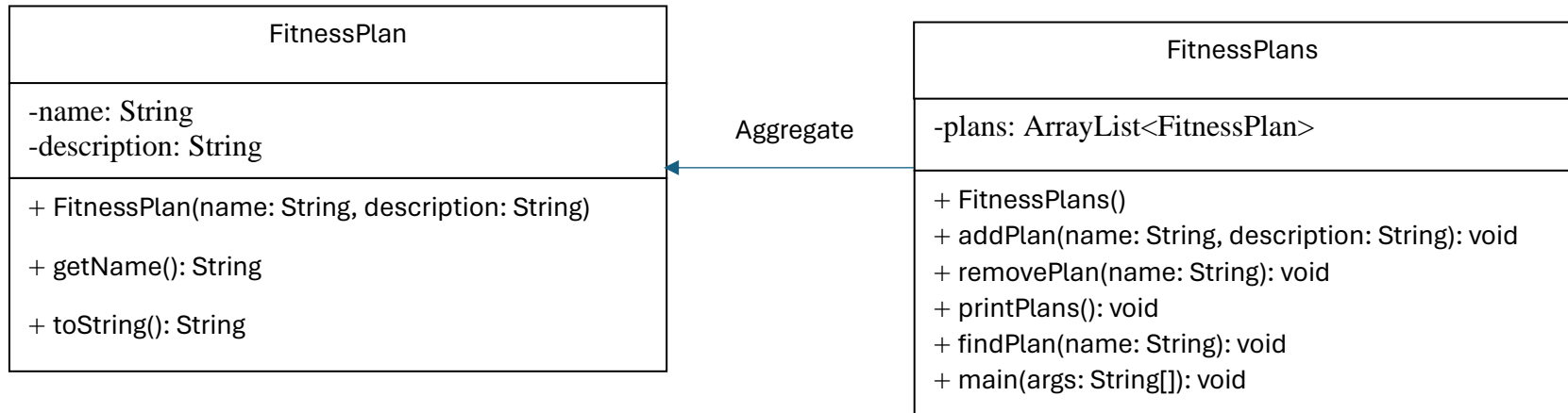
Coach

-name: String
-phoneNumber: String
-clients: List<Client>
-hourlyRate: double

+ Coach(name: String, phoneNumber: String, hourlyRate: double)

+ addClient(client: Client): void

+ removeClient(client: Client): void

+ getName(): String

+ getPhoneNumber(): String

+ getClients(): List<Client>

+ getHourlyRate(): double

Main

+ main(args: String[]): void

Client

-name: String
-phoneNumber: String
-fitnessPlan: String
-fitnessProgress: String
-coach: Coach

+ Client(name: String, phoneNumber: String, fitnessPlan: String, fitnessProgress: String, coach: Coach)

+ getName(): String

+ setName(name: String): void

+ getPhoneNumber(): String

+ setPhoneNumber(phoneNumber: String): void

+ getFitnessPlan(): String

+ setFitnessPlan(fitnessPlan: String): void

+ getFitnessProgress(): String

+ setFitnessProgress(fitnessProgress: String): void

+ getCoach(): Coach

+ setCoach(coach: Coach): void

client.java

Aggregate

Coach

-name: String
-phoneNumber: String

+ Coach(name: String, phoneNumber: String)
+ getName(): String
+ setName(name: String): void
+ getPhoneNumber(): String
+ setPhoneNumber(phoneNumber: String): void