TEAM RAM – FitWell

Pseudocode: Design Level Class Diagram

**Class - ResponseFeedback**

**createAppPrompt()**

WHILE user completes workout

Call createAppPrompt

ENDWHILE

**setAppPrompt()**

save string from createAppPrompt to appPrompt variable

**getAppPrompt()**

return appPrompt variable

**setUserResponse()**

IF user responds

Save string to userResponse variable

ELSE

Save null

END IF

**getUserResponse()**

IF user responds

Return userResponse variable

ELSE

Return null

END IF

**setIntensitySuggestion()**

save string to intensitySuggestion variable

**getIntensitySuggestion()**

return intensitySuggestion variable

**sendFeedback()**

IF user provides feedback

Save string to feedback variable

ELSE

Save null to feedback variable

END IF

**deleteAppPrompt()**

WHILE app wishes to delete a prompt

call deleteAppPrompt

ENDWHILE

**toString()**

return string of ResponseFeedback object

**Class – User**

**createUser()**

WHILE user account is created

call createUser

ENDWHILE

**getUser()**

return User object attributes

**setUser()**

save User object attributes

**editUser()**

override User object attributes

**deleteUser()**

WHILE user wishes to delete

Call deleteUser

ENDWHILE

**toString()**

return string of User object

**Class – SmartWatch**

**connect()**

WHILE smart watch detected and user wishes to pair

Call connect

ENDWHILE

**getSmartWatch()**

return attributes of SmartWatch object

**getCalories()**

return int of calories variable from smartwatch

**getDuration()**

return duration variable from smartwatch

**getHeartRate()**

return heartrate variable from smart watch

**getNotifications()**

WHILE notification detected

Return notifications variable

ENDWHILE

**disconnect()**

IF user wishes to disconnect smartwatch

Call disconnect

ELSE

Stay connected to smart watch

END IF

**CLASS – Program**

**createProgram()**

WHILE user wishes to create a program

Call createProgram

ENDWHILE

**addProgram()**

WHILE user wishes to add program

Call addProgram

ENDWHILE

**getProgram()**

return attributes of Program object

**setProgram()**

save attributes of Program object

**editProgram()**

override attributes of program object

**deleteProgram()**

WHILE user wishes to delete program

Call deleteProgram

ENDWHILE

**toString()**

return string of Program object

**Class – ExcersiseDay**

**createExcersiseDay()**

WHILE user wishes to create specific day to program

Call createExcersiseDay

ENDWHILE

**addExcersiseDay()**

WHILE user wishes to add exercises to day in program

Call addExcersiseDay

ENDWHILE

**getExcersiseDay()**

return attributes of ExcersiseDay object

**setExcersiseDay()**

save attributes of ExcersiseDay object

**editExcersiseDay()**

override attributes of ExcersiseDay object

**deleteExcersiseDay()**

WHILE user wishes to delete excersise

Call deleteExcersiseDay

ENDWHILE

**viewLastPerformedDate()**

IF exercise was previously done

Return and display date last performed variable

ELSE

Return null

**toString()**

return string of ExcersiseDay object

**Class – Track**

**selectExcersiseSelection()**

WHILE user selects exercise

Save selection into excersiseSelection variable

ENDWHILE

**setTrack()**

save attributes of Track object

**getTrack()**

return attributes of Track object

**viewTrackHistory()**

IF user has completed previous workouts

Return and display workout history

Else

Return null

END IF

**addSet()**

increment set number by 1

**removeSet()**

decrement set number by 1

**editTrack()**

override attributes of Track object

**deleteTrack()**

WHILE user wishes to delete tracking for a workout

Call deleteTrack

ENDWHILE

**addTrack()**

WHILE user wishes to add tracking for a workout

Call addTrack

ENDWHILE

**toString()**

return string of Track object