

NAME: OSUOBIEM, GABRIEL IGELLE

DEPARTMENT: COMPUTER SCIENCE

REG NO: 46063080GE

## UML Diagram for class HealthProfile

HealthProfile
<ul style="list-style-type: none"><li>- firstName : String</li><li>- lastName : String</li><li>- gender : String</li><li>- month : Integer</li><li>- day : Integer</li><li>- year : Integer</li><li>- weight : Integer</li><li>- height : Double</li><li>- age : Integer</li></ul>
<ul style="list-style-type: none"><li>+ getFirstName() : String</li><li>+ getLastName() : String</li><li>+ getGender() : String</li><li>+ getMonth() : Integer</li><li>+ getDay() : Integer</li><li>+ getYear() : Integer</li><li>+ getWeight() : Integer</li><li>+ getHeight() : Double</li><li>+ getAge() : Integer</li><li>+ getBMI() : Double</li><li>+ getMaximumHeartRate() : Double</li><li>+ getTargetHeartRate() : Double</li><li>+ getInformation() : Void</li></ul> <ul style="list-style-type: none"><li>+ setFirstName( fName:String ):Void</li><li>+ setLastName( lName:String ):Void</li><li>+ setGender( nGender:String ):Void</li><li>+ setMonth( nMonth:Integer ):Void</li><li>+ setDay ( nDay:Integer ):Void</li><li>+ setYear( nYear:Integer ):Void</li><li>+ setHeight( nHeight:Double ):Void</li><li>+ setWeight( nWeight:Integer ):Void</li><li>+ setAge( currentYear : Integer, currentMonth : Integer, currentDay : integer, bYear : Integer, bMonth : integer, bDay : integer ) : Void</li></ul> <p>«constructor»</p> <ul style="list-style-type: none"><li>+ HealthProfile( firstName : String, lastName : String, gender : String, month : Integer, day : integer, year : integer, weight : Integer, height : Double, currentDay, currentMonth, currentYear)</li></ul>
<b>Class HealthProfile Description</b>
This file contains implementations of the member functions prototyped in HealthProfile.h