Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Ruby Programming (SWE2034)

Digital Assignment-2,3

Team Members:

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Title:

HIGH SCHOOL SPORTS REGISTRATION

Modules:

- ➢ Login
- ➢ Sports registration
- ➢ View registration

Project Description:

      This project is about high school sports registration for students which helps the student to register the sports what they like according to the sports we check the students Eligible for sports or Not for the students concern and the help of Body MASS INDEX we calculate the students Eligible or Not. we had included intra segments such as login, registration along with password creation and validation etc. According to registration they can select which sports they want to participate. And after registration they can view the registered sports and his team members by specifying their register number.

Source Code:

```
require 'csv'
def soccer
     puts ""
     puts "----------------- Soccer selection ---------------------"
     puts ""
     puts "Weight(measured in pounds)"
  w = gets.to_i
  puts "Height(measured in inches)"
  h = gets.to_i
  bmi=(w * 703)/(h*h)
```

```ruby
    puts "The BMI is:#{bmi}"
    if bmi == 30
       puts "you are perfect"
    elsif bmi >= 20
       puts "Eligible"
    else
       puts" Not eligible"
    end
  end
  def basketball
       puts ""
       puts "----------------- BASKET BALL SELECTION ---------------------"
       puts ""
       puts "Weight(measured in pounds)"
    w = gets.to_i
    puts "Height(measured in inches)"
    h = gets.to_i
    bmi=(w * 703)/(h*h)
    puts "The BMI is:#{bmi}"
    if bmi == 30
       puts "you are perfect"
    elsif bmi >= 20
       puts "Eligible"
    else
       puts" Not eligible"
    end

  end
  def shuttle
       puts ""
       puts "----------------- SHUTTLE SELECTION  ---------------------"
       puts ""
       puts "Weight(measured in pounds)"
    w = gets.to_i
    puts "Height(measured in inches)"
```

```ruby
    h = gets.to_i
    bmi=(w * 703)/(h*h)
    puts "The BMI is:#{bmi}"
    if bmi == 30
       puts "you are perfect"
    elsif bmi >= 26
       puts "Eligible"
    else
       puts" Not eligible"
    end

end
def adlogin()
       puts "Enter the username"
       usr = gets.chomp
       puts "Enter the password"
       pass = gets.chomp
       if(usr=="test" and pass=="test12")
         puts ""
             puts "Login Sucessfull..!!"
             puts ""
             puts ""
             puts "1. For Add new data"
             puts "2. For updating new data"
             puts "Enter the choice"
             ch2 = gets.to_i
             case ch2
             when 1
                   adddata()
             when 2
                   upatedata()
             else
                   puts "Invalid Choice"
             end
```

```ruby
          else
                puts "Invalid Login:-("
          end
end
def uslogin()
        flag = 0
        #csvap = CSV.open("C:\\Ruby24-x64\\Files\\data\\registration.csv","a+")
        csv = CSV.read("registration.csv")
        puts "Enter the username"
        usr = gets.to_i
        puts "Enter your password"
        pass = gets.chomp

        for i in 0..csv.length-1
              if (csv[i][3]).to_i==usr and csv[i][4]==pass
                    flag = 1
                    puts "Login Sucessfull..!!"
                    puts ""
                    begin
          puts""
          puts""
         puts "which sports do you want to participate"
                    puts "1. Soccer"
                    puts "2. Basket ball"
                    puts "3. Volley ball"
        puts "4. Base ball"
        puts "5. Shuttle"
        puts"6.Back"
                    puts ""
                    puts "Choose your choice:"
                    ch5 = gets.to_i
                    case ch5
                          when 1
                                soccer
                          when 2
```

```ruby
                    basketball
              when 3
                 volleyball
              when 4
                 baseball
              when 5
                 shhuttle
                              when 6
                                    break
                              else
                                    puts "Invalid choice"
                    end
                    end while ch5!=7
              end
        end
        if flag == 0
              puts "Invalid credentials"
        end
  end

  def registration()
        CSV.open("registration.csv","a+") do |csv|
        #csv<<["Name","Age","Gender","Username","Password"]
        puts "Enter your name"
        uname = gets.chomp
        puts "Enter your Age"
        age = gets.to_i
        puts "Enter your gender"
        gen = gets.chomp
        usr = rand(1000..9999)
        puts "your username is #{usr}"
        puts "Enter your password"
        pass = gets.chomp
        csv<<[uname,age,gen,usr,pass]
        puts "Your registration is verified"
```

```
        puts "Now you are able to register the game"
        puts "Please Login to continue :-)"


end
end
    puts "************************************--------SPORTS
      SELECTION------
      **************************************************"
puts""
begin
puts""
puts "1. For Admin"
puts "2. For User"
puts "3.  Exit"
puts ""
puts "Enter the choice"

ch = gets.to_i
case ch
when 1
      adlogin()
when 2
      begin
      puts ""
      puts "1. User Registration"
      puts "2. Sports login"
      puts "3. Back"
      puts ""
      puts "Enter your choice"
      ch1 = gets.to_i
      puts ""
      case ch1
      when 1
            registration()
```

```
      when 2
            uslogin()
      when 3
            break
      else
            puts "Invalid Choice"
      end
      end while ch1!=3
when 3
      break
else
      puts "Invalid choice Entered"
end
end while ch!=3
```

Output:

```
C:\Users\nivas nirmal\Desktop\Ruby Proj>bmi.rb
*****************************************--------SPORTS SELECTION------********************


1. For Admin
2. For User
3.  Exit

Enter the choice
2

1. User Registration
2. Sports login
3. Back

Enter your choice
1

Enter your name
Nirmal
Enter your Age
20
Enter your gender
male
your username is 4495
Enter your password
nivas

Your registration is verified

Now you are able to register the game

Please Login to continue :-)

1. User Registration
2. Sports login
3. Back
```

```
Please Login to continue :-)

1. User Registration
2. Sports login
3. Back

Enter your choice
2

Enter the username
4495
Enter your password
nivas
Login Sucessfull..!!




which sports do you want to participate
1. Soccer
2. Basket ball
3. Volley ball
4. Base ball
5. Shuttle
6.Back

Choose your choice:
2

----------------- BASKET BALL SELECTION ----------------------

Weight(measured in pounds)
180
Height(measured in inches)
75
The BMI is:22
Eligible
```

Project Demo:

https://github.com/nivasnirmal/Ruby-project.git