

PROJECT REPORT

Project Name:

BMIG (BMI & Grade Calculator)

Team Member:

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Overview:

BMIG is a unique system that requires a personal to enter his/her credentials first, if approved they proceed to find out their BMI (Body Mass Index) and Grade.

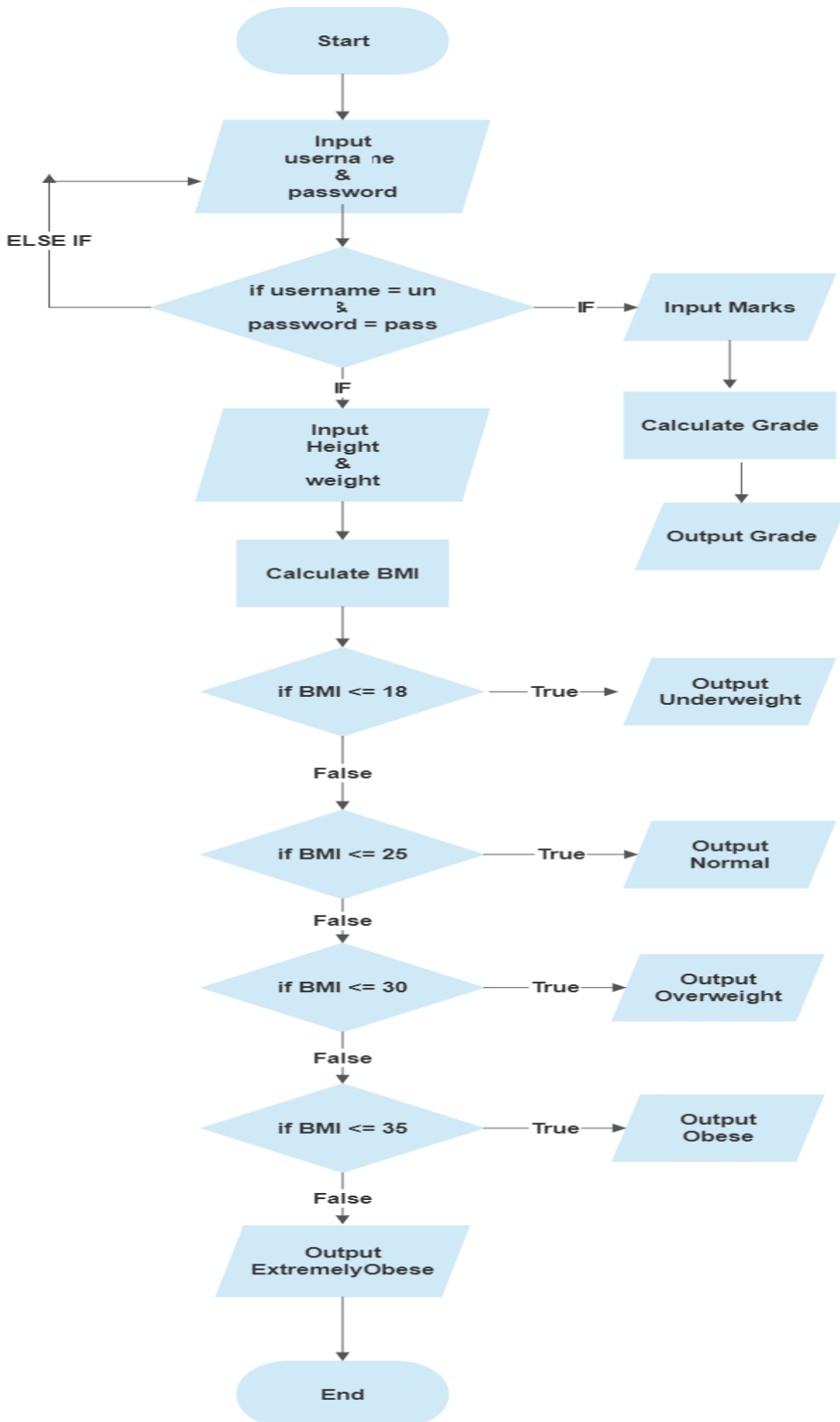
Project Description:

- **BMI is a way of checking that a person has a healthy weight for their height.**
- **For your height and weight there will be a healthy range which you should fit into, this range is to account for the fact people have different builds and sizes.**

In this project we input our height (in m) and weight (in kg) and it shows me the result that my weight is OVER, PERFECT, or UNDER.

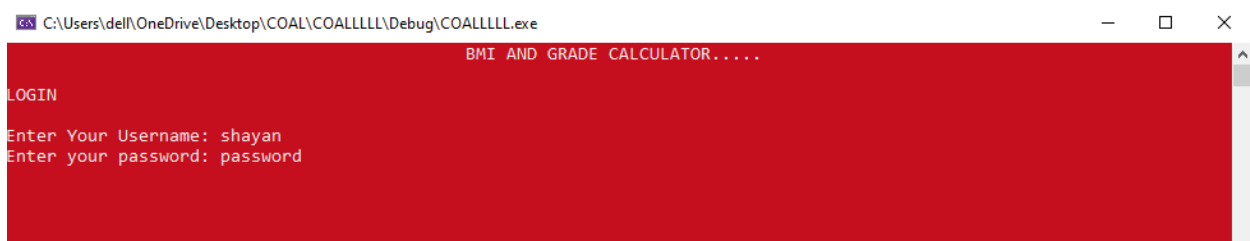
In this project we had done the work of PUSH, POP, PROC, RECURSION, ARITHMETIC, CONDITIONAL PROCESSING, STACKS, STRINGS, ARRAYS, and other commanding things like JMP, LOOP, and CMP etc.

Flow chart:



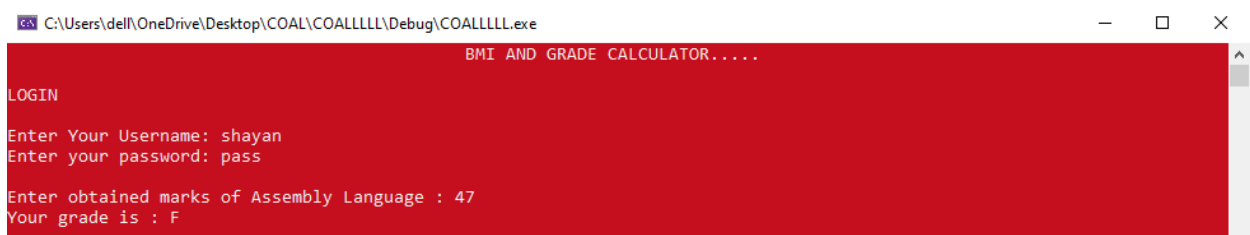
In this project we use a flow chart to understand by a simple human. After seeing the flow chart, a non-technological man can understand that how to work this calculator.

Login



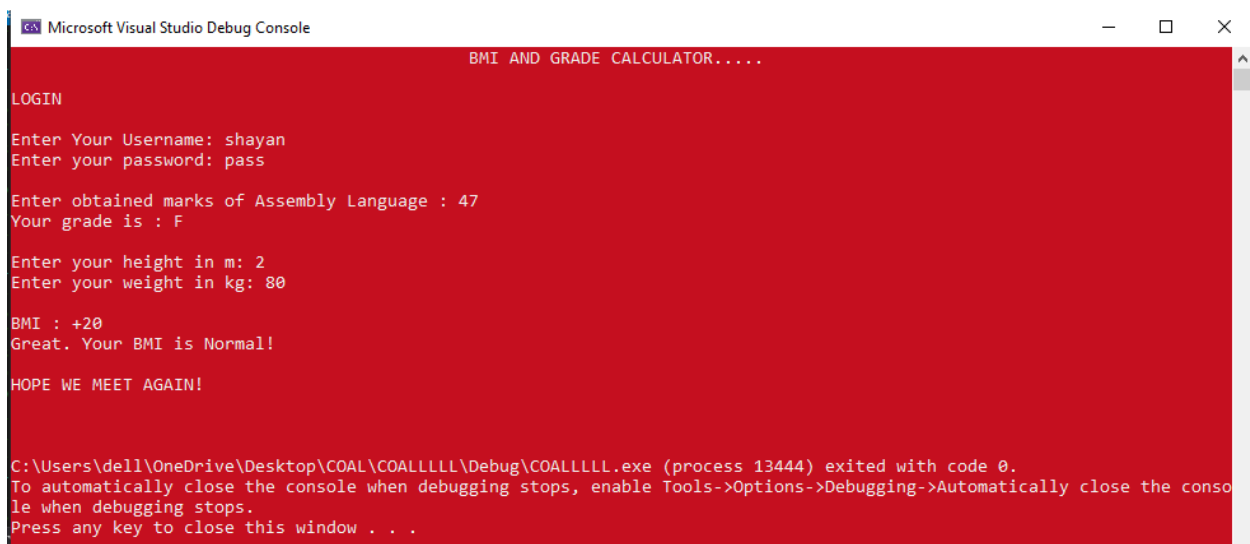
```
C:\Users\dell\OneDrive\Desktop\COAL\COALLLLL\Debug\COALLLLL.exe
BMI AND GRADE CALCULATOR.....
LOGIN
Enter Your Username: shayan
Enter your password: password
```

Grade Calculator



```
C:\Users\dell\OneDrive\Desktop\COAL\COALLLLL\Debug\COALLLLL.exe
BMI AND GRADE CALCULATOR.....
LOGIN
Enter Your Username: shayan
Enter your password: pass
Enter obtained marks of Assembly Language : 47
Your grade is : F
```

BMI Calculator



```
Microsoft Visual Studio Debug Console
BMI AND GRADE CALCULATOR.....
LOGIN
Enter Your Username: shayan
Enter your password: pass
Enter obtained marks of Assembly Language : 47
Your grade is : F
Enter your height in m: 2
Enter your weight in kg: 80
BMI : +20
Great. Your BMI is Normal!
HOPE WE MEET AGAIN!
C:\Users\dell\OneDrive\Desktop\COAL\COALLLLL\Debug\COALLLLL.exe (process 13444) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Tools Used:

- **Visual Studio 2019**
- **Assembly Language 8086**

Conclusion:

This project is interesting, helpful, and most importantly user friendly. All concepts learned throughout the semester are applied to make “BMIG.”