LOVELY PROFESSIONAL UNIVERSITY

FITNESS CALCULATOR

PYTHON PROJECT

Course Name-INT213(Python Programming)

Submitted to- NAVPREET RUPAL

"SCHOOL OF COMPUTER SCIENCE & ENGINEERING"

Lovely Professional University

Submitted by-

NAME	SACHIN PRAJAPATI	SATHI AKSHAY KUMAR REDDY	NARAYANA SRIKANTH
ROLL NO.	RK21QTB47	RK21QTA23	RK21QTB72
REG NO.	12114973	12115152	12112069
SECTION	K21QT	K21QT	K21QT

GROUP	2	1	2

Project No: 23	Student Details: RK21QTA23, RK21QTB47, RK21QTB72

Project Title: Design a GUI for Fitness Calculator of person using python.

Project Description: The minimum requirement of GUI as follows:

Fitness

Name:		Age:	
Gender	Male	Female	
Weight:			
Height:			
BP Low:			
BP High:			
Pulse Rate:			
RBC Count:			
WBC Count:			
Platelets			
HB			
Uric Acid			
Cholesterol			Generate Report

Report should look like:

Report

BMI (Body Mass Index):	
BP (High/Medium/Low):	
Pulse Rate (High/Medium/Low):	
RBC Count (High/Medium/Low):	
WBC Count (High/Medium/Low):	
Platelets (High/Medium/Low):	
HB (High/Medium/Low):	
Uric Acid (High/Medium/Low):	
Cholesterol (High/Medium/Low):	

FITNESS CALCULATOR

In the last few eras the humanity has witnessed an increase in visiting and downloading of fitness applications. The theme of this project is to provide every possible tool which can be helpful for Ones fitness journey. This app is used to track the fitness level of a person. It shows user the holistic view of their health so that they never lose the track of their fitness. This app is having certain options through which user can keep check on their fitness. It can be used to track user's progress by keeping check on their weight . This app will let user calculate BMI, BP, Pulse Rate, RBC Count, WBC count, Platelets, HB, Uric Acid and Cholestrol. There are researches and studies are going on every day on various aspects of

fitness, healthy living and diet. This app is also having a discussion forum where people can post about various researches and their personal health issues which can be resolved in the further posts.

PYGUI-Tkinter

The Python binding for the Tk GUI toolkit is called Tkinter. It serves as the de facto default GUI for Python and is the official Python interface to the Tk GUI toolkit. Standard Python installations for Linux, Windows, and macOS come with Tkinter.Tk interface is where the word Tkinter originates. Steen Lumholt and Guido van Rossum wrote Tkinter, which Fredrik Lundh subsequently updated.

FUNCTIONS

GENERATE REPORT- This function will be used to show the result of the user in different category according to low,medium and high, when user enter the details.

STUDENT R0LE AND RESPONSIBILITY

SATHI AKSHAY KUMAR REDDY

- Working with coding part of the programs.
- Making use of OOP concepts.

SACHIN PRAJAPATI

- Making forms and text fields.
- Creating action buttons and menu.

NARAYANA SRIKANT

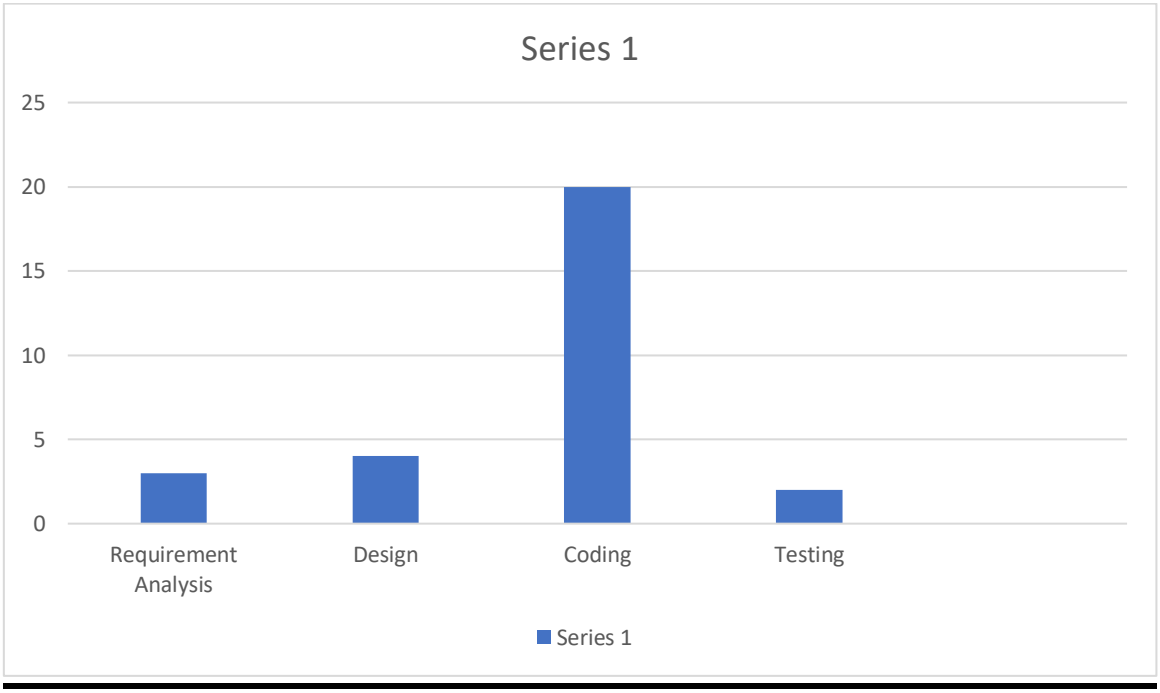
- Testing of the program.
- Designing layouts using GUI.
- Gathering Requirement Analysis

Bibliography:

1. pdf_4586_ef3f7727a7d06b3da043a73d1de91ab8.html (ejmcm.com)
2. Fitness Center Management System Dataflow Diagram (DFD) FreeProjectz

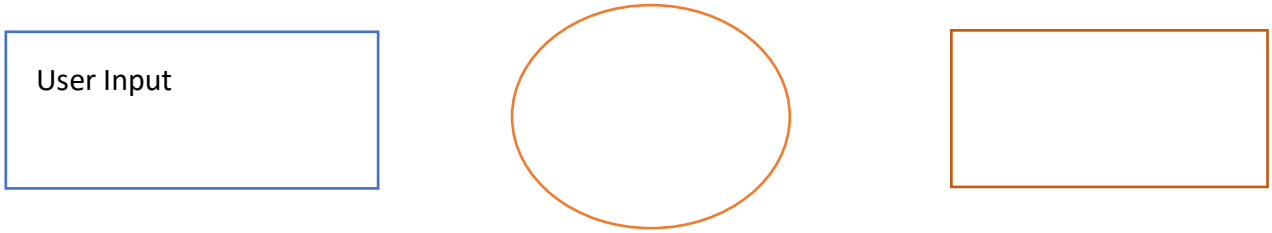
WORK PLAN (GANTT CHART)

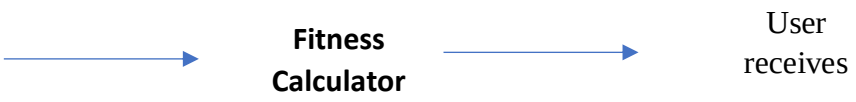
Task Name	Start Date	End Date	Duration (Days)	Days Complete	Percent Complete
Requirement analysis	2/10/2022	4/10/2022	3	3	100%
Design	5/10/2022	8/10/2022	4	4	100%
Coding	9/10/2022	29/10/2022	20	20	100%
Testing	30/10/2022	1/11/2022	2	2	100%



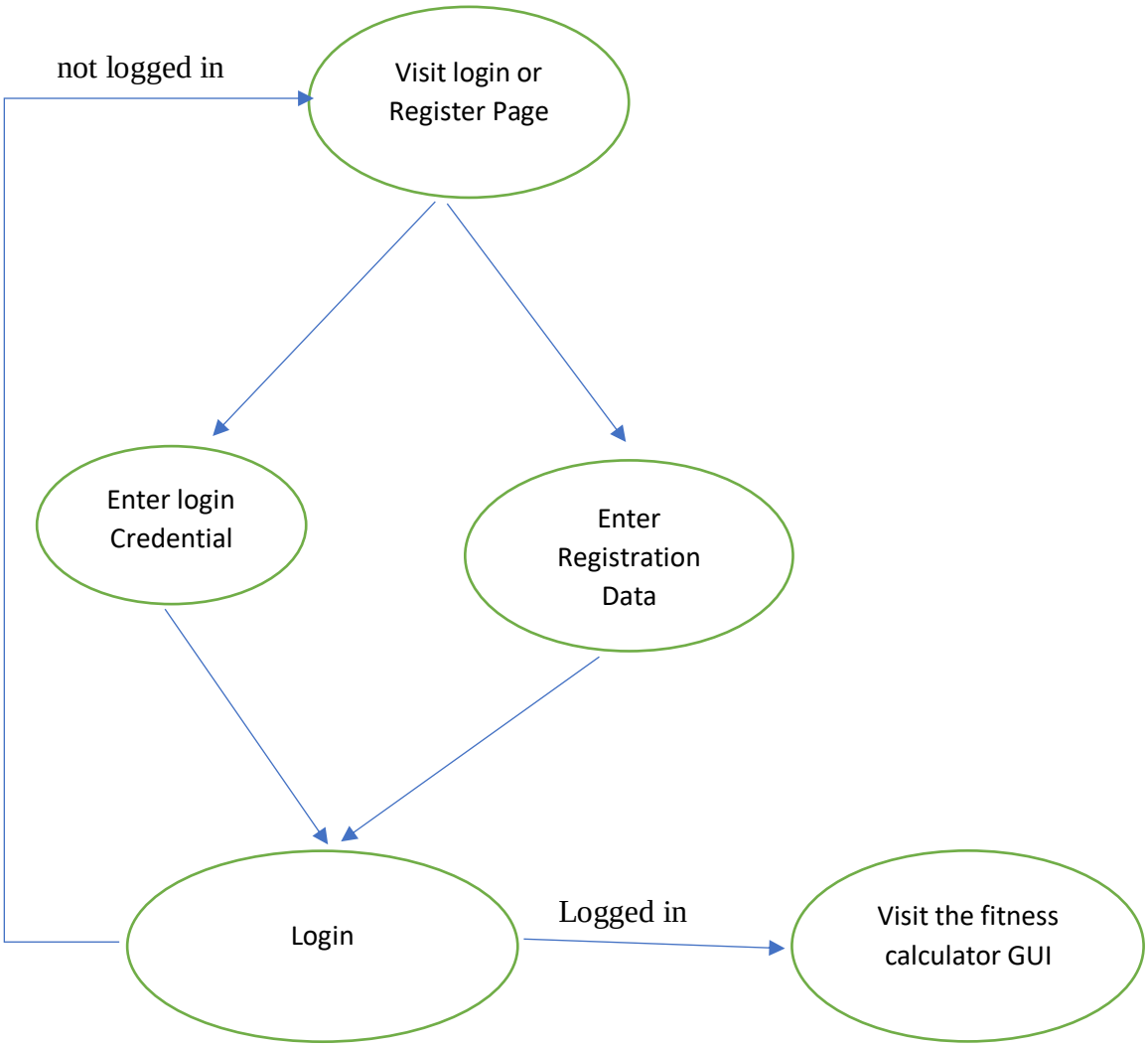
DFD'S (Data Flow Diagram):

- **Level-0 DFD (Context Diagram)**

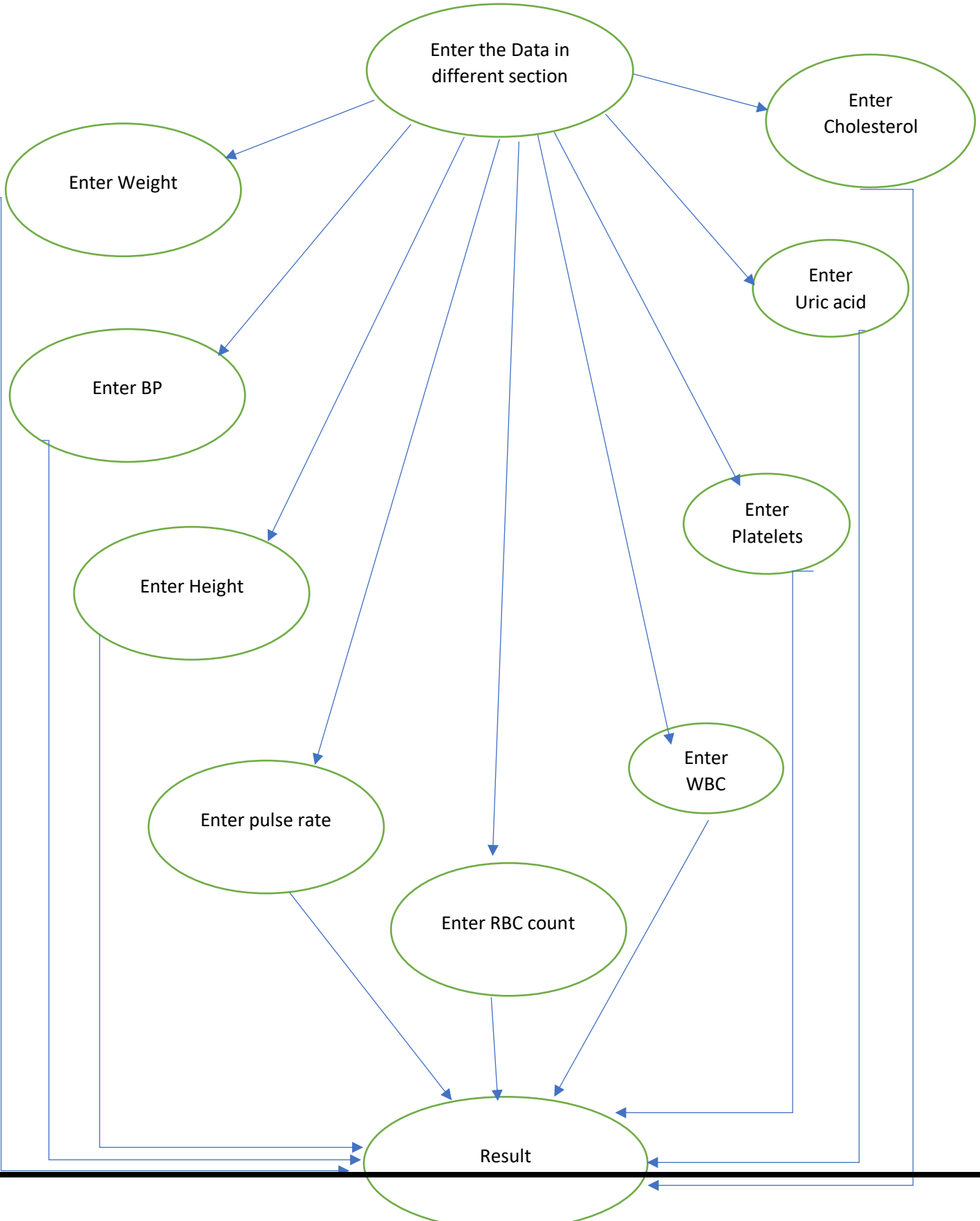




- **Level-1 DFD (Login or Register)**



- **Level-2 DFD**


Enter the Data in different section
Enter Weight
Enter Cholesterol
Enter Uric acid
Enter BP
Enter Platelets
Enter Height
Enter WBC
Enter pulse rate
Enter RBC count
Result