Bangladesh University of Business and Technology (BUBT)

CSE 100: Software Development Project I

PROJECT PROPOSAL

on

Project Title

Full ID	Name	Intake/Section
21221203059	Md.Rakib hosen	40/1
21221203063	Sabid Rahman	40/1
21221203067	Nasirul Islam	40/1
21221203070	Zurin Alam Aongon	40/1
21221203072	Md. Faridul Islam	40/1

Submitted To

Md. Masudul Islam

Assistant Professor, Dept. of CSE

BUBT

Submission Date: *9th October, 2022*

Table of Contents

1. **Needs/Problems**

Often we need to convert different units. In order to solve this problem, our program basically converts different units to other units. With the help of this program a user will give his input in any unit and he will see the output in his desired unit.

2. **Goals/Objectives**

Using our program, a user can convert the temperature if desired. For example, users can convert Celsius to Fahrenheit, Fahrenheit to Celsius, Celsius to Kelvin, Kelvin to Celsius, etc.
A user can try converting mass if he wants. For example, users can convert grams to kilograms, kilograms to grams, pounds to grams, grams to pounds, etc.
A user can convert currencies like - dollar to taka, taka to the dollar, dollar to euro, euro to dollar, etc.
To do this the user has to provide a value of a specific unit as input.

3. **Existing System Analysis**

"unitconverters.net"
"digitaldutch.com/unitconverter"
These are web applications. A user will need internet access to use these applications. The user may not always have access to the Internet. But through our program, Users can convert different units to other units without internet access.

4. **Features / Scopes**

Features available in the project:

1. Temperature Conversion

       i. Celsius to Fahrenheit,
       ii. Fahrenheit to Celsius,
       iii. Celsius to Kelvin,
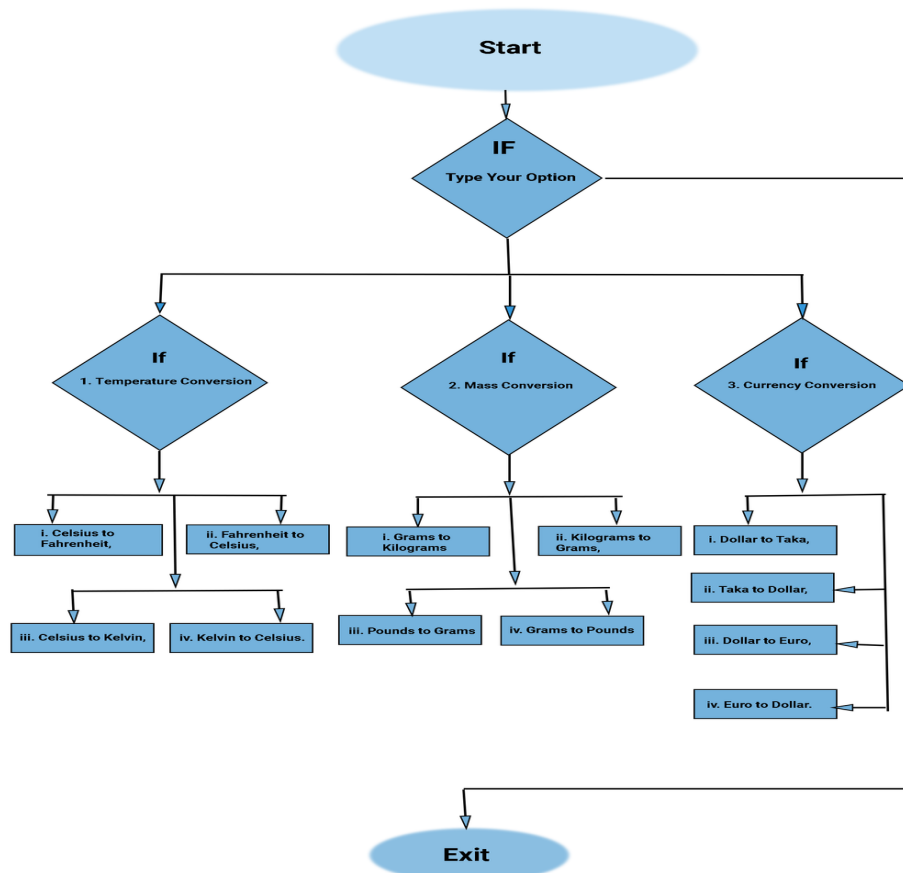   iv. Kelvin to Celsius.

2. Mass Conversion

       i. Grams to Kilograms,
       ii. Kilograms to Grams,
       iii. Pounds to Grams,
       iv. Grams to Pounds.

3. Currency Conversion

       i. Dollar to Taka,
       ii. Taka to Dollar,
       iii. Dollar to Euro,
       iv. Euro to Dollar.

5. System Architecture Diagram

6. Requirements

Lists all possible requirements:
Hardware Configurations:
Software: CodeBlocks
Tools & Technology: Computer
Languages: C
Personnel:

21221203059	Md.Rakib hosen
21221203063	Sabid Rahman
21221203067	Nasirul Islam
21221203070	Zurin Alam Aongon
21221203072	Md. Faridul Islam

7. Team activity and Time Schedule

Id	Name	Designation	Responsibilities
21221203 067	Nasirul Islam	Team Leader	Team managing, Co-coordinating among members and organize the project works to achieve the goals
21221203 067	Nasirul Islam	Coder	Programmer
21221203 067	Md. Rakib hosen	Coder	Programmer
21221203 063	Sabid Rahman	Logic Builder	Thinking logic in a different way
21221203 070	Zurin Alam Aongon	Logic Builder	Thinking logic in a different way
21221203 072	Md. Faridul Islam	Logic Builder	Thinking logic in a different way

8. Limitations & Future Works

Limitations of this program:
Only temperature, currency, and mass can be converted using this program. No other units can be converted except these.
Future works:
In the future, this program will be updated to bring new additions.

9. References
Book: Theory and Problems of Programming with C
Author: BYRON S. GOTTFRIED, Ph.D