

# COLLEGE OF COMPUTING, INFORMATICS AND MEDIA, UNIVERSITI TEKNOLOGI MARA, CAWANGAN KEDAH

DIPLOMA IN LIBRARY INFORMATICS
(CDIM144)

PROGRAMMING FOR LIBRARIES
(IML208)

"INDIVIDUAL PROJECT: MEAL BOX"

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SUBMISSION DATE:

4<sup>TH</sup> JANUARY 2024

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#### **ACKNOWLEDGEMENT**

First and foremost, I would like to express my deepest appreciation and respect to those who provided me the possibility and gave me the chance to complete this assignment. A special gratitude to my lecturer for the Programming for Libraries (IML208) subject Sir Airul Shazwan bin Norshahimi for giving me clear and concise instructions to make it easier for me to proceed with this assignment smoothly, he also assisted me with encouragement and guidance to make this assignment succeed. A very huge thank you to my classmates in the KIM1443F class for giving each other cooperation and support while I was working on my assignment. Their attitude and willingness helped me complete this review article within just a couple of weeks. An extraordinary thanks to my friends for the cooperation they gave me so that I could complete the assigned task quickly and smoothly. Lastly, I would like to thank my family for being supportive and never stop motivating me to keep continuing my work.

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#### 1.0 INTRODUCTION

For my assignment, I need to design and develop a simple computer interface that includes create and read operations. To fulfill this task, I have created a program called "Meal Box" to simplify the food ordering process and users can easily calculate the cost based on the number of boxes they wish to order. I have prepared three types of food boxes with different types of contents at different prices. The program is easy to use and requires only basic information. There are several inputs that the user needs to enter. First, users have to choose the meal box they want from the 3 types of boxes provided. The 3 types of boxes are Box A, Box B, and Box C. Then, users need to enter the number of boxes they want and it has been stated that they need to enter numbers only to avoid errors when the calculation is carried out. After that, users need to enter their first and last names in the boxes provided. After ensuring all the information has been correctly filled in, the user can initiate the calculation by pressing the 'Calculate' button. The calculation formula used is, that the price of a box will be multiplied by the number of boxes to get the actual price to be paid by the buyer or user. Once the calculation is made, the output that will be received by the user is their name, the box type that has been selected, the total box that they have entered, and the actual price of the food box that needs to be paid.

## 1.1 Flowchart

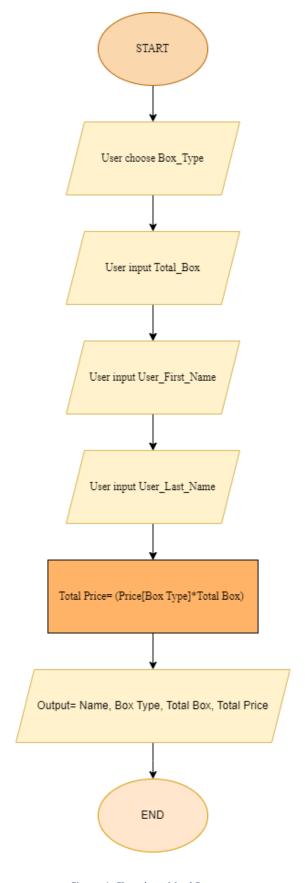


Figure 1: Flowchart Meal Box

#### 1.2 Snapshot Code

Figure 2: Snapshot Code

Figure 3: Snapshot Code

Figure 4: Snapshot Code

```
Meal Boxpy X

Meal Boxpy > ...

Meal Boxpy > ...
```

Figure 5: Snapshot Code

# 1.3 Snapshot GUI

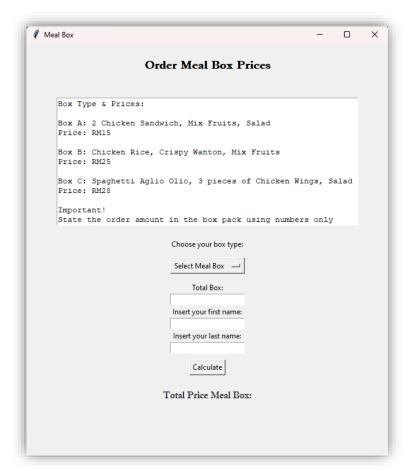


Figure 6: Snapshot GUI Meal Box

#### 1.4 Snapshot Database

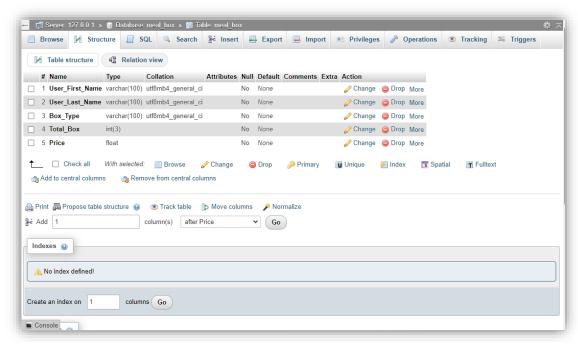


Figure 7: Snapshot Structure Database

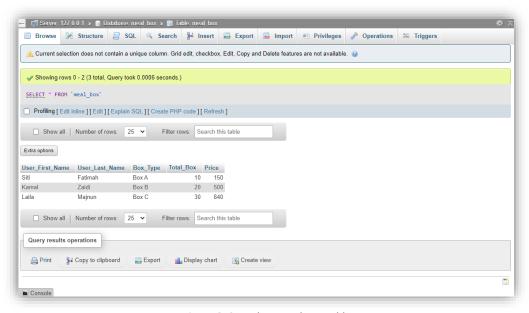


Figure 8: Snapshot Database Table

#### 2.0 CONCLUSION

Based on this assignment, what can be concluded is that the process will be seen more clearly using a flowchart. Next, various things can be learned during coding, such as exploring the different types of coding to be improved, trying and fixing the coding until it is successful, and entering the data as desired. In addition, I can also create a database so that user information and others can be recorded through the GUI. I was also able to create 5 attributes and was able to generate the correct calculation formula. Therefore, I feel that coding is not easy, but by continuing to try without stopping, things become easy. I also feel that coding is a programming that can simplify business and save data more easily along with the development of technology nowadays. I hope that I can understand more existing coding codes so that my skills can be further developed.