**Programming II**

**Fall 2021**

**Handong Global University**

**School of Entrepreneurship and ICT**

**Release Notes**

**Team Members**

|  |  |
| --- | --- |
| Name | Student ID |
| Seungyoo Lee | 21300543 |
| Joowon Kim | 21300178 |
| Suhui Jung | 21900666 |
|  |  |

# Notes on installation and compilation

Our program uses SQL database. Therefore, to installation our program you have to place “database.db” file in specified directory. We have assigned the directory of this file as "./database.db".I n the OS environment we developed, it worked well when it was placed in the build folder.

If database does not open in your environment, because you use other OS or some error to open our db, then try next step.

-1. Find “database.db” from our zip file (mostly in the build folder).

-2. And move that db file to your folder where you know the path.

-3. Changing code :   
 -go to all of header file and modify header files’ database path.

-its statement is located below header file’s public section   
 -change   
 mydb.setDatabaseName("./database.db")  
 to  
 mydb.setDatabaseName("/Users/name/database.db")  
 name is your specific folder or user name.

-4. Bulid.

# Missing features in this version

**1. Editing database**

As you mentioned at announcement, our personal budgeting program needs to contain editing data function at Monitoring section. However, we haven't implemented that function yet, we will add editing process later.

**2. Graphs of Monitoring section**

We have not implement a visual way to view data using tools such as graphs and bars in the monitoring section. You will see various graphs like bar or pie charts to understand data of budgeting later at Fianl Mielstone.

# Bugs/issues that need to be fixed

**1. Delete function**.

We created a function to delete Sqlite data which is added to plan and real table.. database.db. The method of deleting is to take the index of the data cell clicked by the user, find the key value on the database as an index, and delete the data on the database with the key value found.

However, in the process of executing this, the data is deleted, but the key value of the deleted data still exists somewhere, so that key value cannot be used when adding new data. **( For example, if you delete the data that is key 3 and add another data, the data of key 3 and key are deleted, but new data's key is added as key 4.)**

Therefore, we should modify this part and add items that delete and add data and key values at the same time.

+)No serious bug has been found yet. However, since we use loop statements a lot, we will make more efficient method because it can occur a memory problem.

In addition, we will be more careful to handle the database to prevent data issue by opening and closing the database, and we will check the overall data process of opening and closing.

# Other changes/additions you are planning on doing

**1.UI**

Our UI includes a variety of functions from planning, expens input and monitoring. However, about our UI of program, we think users might have some difficulty to understand and use functions implemented.

Therefore, our team's first plan is to develop UI design to help users understanding the functions of the program correctly. In addition, we will make it visually similar to the design we planned at Milestone 3: UI Design.

**2. Edit**

Our next plan is to make it possible to edit records through the Edit button in the Monitoring section. Through a good interface, users will be able to modify records and reflect them in the program.

**+message to professor from team 6**

Professor, our team completed the first draft with three people. As you know, most team’s number of members are 4 ,so please consider our hardship to complete same objective with few member then others. However because we feel hard, we learn a lot from the same task .Thank you for your teaching always. 😊