

User Guide

This program is intended to simulate project budgets for multiple clients, with each budget holding lists of expenses and payments, similar to that of a company bidding for various jobs for multiple clients. As a note: this program only accepts whole dollar amounts for now, no decimal values. Also, the phone numbers, addresses, and dates formatting is entirely left to the user since there is no need for any comparison/manipulation of these values, they are only informational. Data entry to remove, modify, print, and select are not case sensitive. Also, duplicated names is not suggested, each name identifier should be unique.

The first menu presented controls client objects as well as allows access to the budget menu.

```
Client Menu
A)dd Client R)emove Client M)odify Client P)rint Client info.
C)lient list B)udget info. or Q)uit
```

From this menu's options clients can be added, removed, and modified. A client listing can also be selected and printed.

```
Client Menu
A)dd Client R)emove Client M)odify Client P)rint Client info.
C)lient list B)udget info. or Q)uit
c
John Golding
575-892-9060
1111 Wrangler Dr. Clovis, NM

Charli Palmer
903-555-8767
2323 Address Ln.

wrong name
0000
1234 road

Client Menu
A)dd Client R)emove Client M)odify Client P)rint Client info.
C)lient list B)udget info. or Q)uit
r
Enter Client name:
wrong name

Client Menu
A)dd Client R)emove Client M)odify Client P)rint Client info.
C)lient list B)udget info. or Q)uit
c
John Golding
575-892-9060
1111 Wrangler Dr. Clovis, NM

Charli Palmer
903-555-8767
2323 Address Ln.

Client Menu
A)dd Client R)emove Client M)odify Client P)rint Client info.
C)lient list B)udget info. or Q)uit
```

The second menu controls budget objects and accesses expenses/payments.

```
Budget Menu
A)dd Budget R)emove Budget M)odify Budget P)rint Budget info.
B)udget list E)xpense/Payment info. C)lient menu or Q)uit
```

Like the Client menu, the budget menu adds, removes, modifies, and prints both budget information and a budget listing. However, this menu allows you to return to the Client menu.

```
Budget Menu
A)dd Budget R)emove Budget M)odify Budget P)rint Budget info.
B)udget list E)xpense/Payment info. C)lient menu or Q)uit
b
Roof repair
Shingle replacement/hail damage
500
10/15/2020
Mantle
Mantle hanging
250
09/25/1990
Car Repair
Spark plug replacement
175
08/77/2008
```

The third menu controls expense and payment objects.

```
Expense/Payment Menu
A)dd R)emove M)odify P)rint Budget info.
B)udget menu or Q)uit
```

Like the previous menus, this one adds, removes, modifies, and allows a return to the previous menu. However, this printing option prints the initial budget information along with expenses and payments listed as well as total expenses and the profit.

```
Expense/Payment Menu
A)dd R)emove M)odify P)rint Budget info.
B)udget menu or Q)uit
p
Roof repair
Shingle replacement/hail damage
500
10/15/2020
Expenses:
Nail Gun      $100
nails    $5
Toolbelt      $15
Expense Total: $120
Payments:
Down Payment   $125   Paid on: 10/16/2020
Profit: $5
```

Each menu also offers an option to quit/exit the program.